

Supplementary Table S3 List of 43,360 mapped loci of whole heart transcriptome map (Pool 'A') sorted in descending order of expression value. N/A: not available in the Gene database (<http://www.ncbi.nlm.nih.gov/gene>) when the analysis was performed.

Gene name	Expression Value 'A'	Chr	Location	Data points 'A'	SD as % of Expression Value 'A'
Hs.732685	11,683.91	chr11	N/A	1	0.00
MYL2	10,216.56	chr12	12q24.11	33	41.46
MYH7	8,725.76	chr14	14q12	20	63.16
Hs.713770	8,703.37	chrX	N/A	3	9.27
MB	8,283.87	chr22	22q13.1	39	59.23
TCAP	6,352.89	chr17	17q12	20	112.52
NPPA	6,332.35	chr1	1p36.21	18	77.72
CRYAB	5,890.04	chr11	11q22.3-q23.1	42	77.77
ACTC1	5,779.15	chr15	15q14	28	63.32
TNNC1	5,550.97	chr3	3p21.1	28	52.40
MYH6	5,380.51	chr14	14q12	39	104.47
ACTA1	4,955.97	chr1	1q42.13	32	88.28
COX7A1	4,955.50	chr19	19q13.1	29	45.18
HBA1	4,879.88	chr16	16p13.3	33	61.09
MYL3	4,847.53	chr3	3p21.3-p21.2	41	79.00
CKM	4,813.89	chr19	19q13.32	28	51.37
TNNI3	4,648.05	chr19	19q13.4	26	76.26
Hs.132459	4,568.36	chr18	N/A	2	141.30
PTGDS	4,479.91	chr9	9q34.2-q34.3	44	59.69
Hs.703113	4,436.02	chr6	N/A	1	0.00
MYL12A	4,406.94	chr18	18p11.31	36	85.37
RPLP1	4,328.46	chr15	15q22	42	65.52
UBC	4,250.21	chr12	12q24.3	82	56.23
TPT1	4,065.62	chr13	13q14	68	77.17
ATP5A1	4,044.82	chr18	18q21	27	74.79
TNNT2	3,947.73	chr1	1q32	54	52.86
DES	3,942.70	chr2	2q35	33	90.51
Hs.702118	3,733.58	chr6	N/A	7	110.12
GAPDH	3,729.65	chr12	12p13	81	78.88
NDUFA4	3,706.51	chr7	7p21.3	38	53.98
LOC729466	3,586.51	chr11	11q21	3	8.69
Hs.712678	3,489.77	chr11	N/A	1	0.00
RN7SL1	3,463.08	chr14	14q21.3	3	16.94
ATP5B	3,459.55	chr12	12q13.13	30	91.61
MYBPC3	3,373.62	chr11	11p11.2	30	81.14
HSPB1	3,298.51	chr7	7q11.23	46	45.18
HBB	3,272.88	chr11	11p15.5	71	110.41
CSRP3	3,227.56	chr11	11p15.1	32	84.93
UQCRHL	3,195.52	chr1	1p36.21	3	12.90
RPL41	3,163.98	chr12	12q13	34	72.99
MYL7	3,156.84	chr7	7p21-p11.2	33	48.45
FHL2	3,117.64	chr2	2q12.2	46	84.43
MDH1	2,983.01	chr2	2p13.3	40	89.26
UBB	2,944.03	chr17	17p12-p11.2	56	78.92
Hs.659124	2,909.22	chr17	N/A	7	91.06
MYOM2	2,901.44	chr8	8p23.3	30	77.65
RPS27	2,857.15	chr1	1q21	39	50.66
NDUFB9	2,823.72	chr8	8q13.3	31	57.07
Hs.734084	2,806.19	chrX	N/A	10	59.66
COX4I1	2,738.27	chr16	16q24.1	53	90.58
NDUFS5	2,658.36	chr1	1p34.2-p33	30	68.43
PLN	2,633.10	chr6	6q22.1	52	134.71
CKMT2	2,607.32	chr5	5q13.3	30	66.71
Hs.745010	2,605.23	chr6	N/A	17	137.42
OAZ1	2,597.55	chr19	19p13.3	71	80.71
S100A1	2,514.01	chr1	1q21	37	123.94
RPL37A	2,511.17	chr2	2q35	49	122.11
Hs.712867	2,507.67	chr20	N/A	7	95.33
Hs.664622	2,503.27	chr6	N/A	7	263.53
RPS16	2,468.71	chr19	19q13.1	40	77.94
HSPB7	2,439.62	chr1	1p36.23-p34.3	36	88.20

Hs.663521	2,433.20	chr3	N/A	7	178.73
SLC25A4	2,416.49	chr4	4q35	54	127.60
Hs.356270	2,414.45	chr11	N/A	7	117.10
Hs.712768	2,331.33	chr15	N/A	8	56.78
RPS20	2,317.79	chr8	8q12	49	79.34
LDHB	2,307.43	chr12	12p12.2-p12.1	40	79.02
LOC613126	2,287.15	chr7	7q21.2	3	86.82
ATP5J	2,254.25	chr21	21q21.1	36	84.88
NDUFA1	2,248.33	chrX	Xq24	40	55.82
CD63	2,238.57	chr12	12q12-q13	32	72.44
ANKK1	2,231.22	chr11	11q23.2	18	107.26
COX6A2	2,210.61	chr16	16p11.12	30	82.91
ATP5O	2,205.50	chr21	21q22.11	34	72.59
COX8A	2,184.39	chr11	11q12-q13	28	45.27
Hs.656093	2,161.33	chr19	N/A	15	207.33
Hs.590908	2,134.50	chr1	N/A	3	3.06
MYL12B	2,125.16	chr18	18p11.31	40	93.37
COX5B	2,094.32	chr2	2q11.2	54	84.10
EIF1	2,093.60	chr17	17q21.2	71	75.27
RPL8	2,085.75	chr8	8q24.3	26	66.76
SRL	2,076.20	chr16	16p13.3	6	68.62
ATP5G3	2,069.38	chr2	2q31.1	52	88.91
Hs.633141	2,043.36	chr5	N/A	7	257.45
NPPB	2,023.27	chr1	1p36.2	28	142.13
RPS29	1,996.10	chr14	14q	52	98.02
RPS18	1,989.02	chr6	6p21.3	24	46.24
COX7C	1,979.56	chr5	5q14	50	87.64
RPS12	1,977.82	chr6	6q23.2	34	108.66
RPL13A	1,955.81	chr19	19q13.3	78	91.88
RPLP0	1,950.29	chr12	12q24.2	78	67.29
ACADVL	1,948.34	chr17	17p13.1	35	83.11
SLC25A3	1,946.19	chr12	12q23	49	105.88
Hs.554169	1,931.27	chr18	N/A	10	136.55
COX6C	1,929.75	chr8	8q22.2	37	73.42
HADHB	1,868.25	chr2	2p23	23	55.55
Hs.593377	1,866.25	chr2	N/A	7	30.71
UQCRCQ	1,841.50	chr5	5q31.1	47	95.33
UQCRH	1,838.52	chr1	1p34.1	39	54.18
TTN	1,794.79	chr2	2q31	81	165.30
RPS25	1,794.50	chr11	11q23.3	51	48.90
CYC1	1,790.35	chr8	8q24.3	34	123.53
COX7B	1,781.98	chrX	Xq21.1	29	101.83
TPM1	1,778.49	chr15	15q22.1	152	182.24
HBA2	1,777.52	chr16	16p13.3	66	193.84
RPS17L	1,773.26	chr15	N/A	46	49.03
IGFBP7	1,771.42	chr4	4q12	47	104.74
RPL11	1,770.32	chr1	1p36.1-p35	33	63.13
Hs.586377	1,755.86	chr8	N/A	16	64.87
RPL23A	1,755.15	chr17	17q11.2	101	133.09
Hs.603146	1,745.82	chr16	N/A	7	263.69
ALDOA	1,740.65	chr16	16p11.2	59	106.55
MZT2A	1,737.54	chr2	2q21.1	15	110.78
RPL38	1,735.07	chr17	17q25.1	38	77.25
HSPB3	1,730.93	chr5	5q11.2	32	93.07
COX5A	1,722.05	chr15	15q24.1	46	93.36
FTH1	1,715.50	chr11	11q13	76	78.11
RPL18A	1,696.97	chr19	19p13	45	121.08
ATP5I	1,689.88	chr4	4p16.3	51	87.96
RPS2	1,685.90	chr16	16p13.3	90	116.70
Hs.15738	1,679.02	chr3	N/A	5	50.53
HRC	1,667.90	chr19	19q13.3	30	98.97
Hs.599556	1,666.76	chr9	N/A	7	263.38
FHL1	1,661.58	chrX	Xq26	52	122.19
ATP5H	1,658.64	chr17	17q25	37	61.58
EEF1A1	1,658.31	chr6	6q14.1	109	124.77
CASQ2	1,656.52	chr1	1p13.1	30	106.51

ACTA2	1,648.79	chr10	10q23.3	43	105.51
MGST3	1,646.09	chr1	1q23	43	89.55
CD81	1,637.76	chr11	11p15.5	30	140.77
ATP2A2	1,625.65	chr12	12q24.11	98	140.35
Hs.544328	1,624.70	chr6	N/A	3	95.20
Hs.574158	1,617.36	chr14	N/A	9	20.86
SEPW1	1,605.71	chr19	19q13.3	31	74.33
HLA-C	1,605.58	chr6	6p21.3	100	73.01
RPS10	1,605.22	chr6	6p21.31	111	143.14
EID3	1,602.66	chr12	12q23.3	24	184.74
TMSB4X	1,602.33	chrX	Xq21.3-q22	52	125.53
NDUFB10	1,601.60	chr16	16p13.3	27	127.10
Hs.744346	1,600.79	chr6	N/A	1	0.00
Hs.14451	1,590.55	chr2	N/A	7	262.28
UQCRB	1,583.74	chr8	8q22	57	168.94
APOD	1,579.87	chr3	3q26.2-qter	44	126.02
ACTB	1,579.26	chr7	7p22	105	68.45
EEF2	1,579.00	chr19	19p13.3	32	79.84
Hs.632480	1,578.21	chr1	N/A	7	236.22
COX7A2	1,573.84	chr6	6q12	37	59.39
NDUFA8	1,569.04	chr9	9q33.2	21	56.86
RPS11	1,567.22	chr19	19q13.3	38	80.50
PAM	1,565.17	chr5	5q14-q21	77	117.73
SRP14	1,564.61	chr15	15q22	33	44.21
MALAT1	1,564.61	chr11	11q13.1	93	212.91
RPL30	1,563.60	chr8	8q22	41	93.00
CMYA5	1,557.08	chr5	5q14.1	39	82.64
TXNIP	1,555.87	chr1	1q21.1	42	129.30
GPX3	1,554.29	chr5	5q23	42	91.35
UQCRFS1	1,553.63	chr19	19q12	42	79.60
Hs.679624	1,538.77	chr17	N/A	3	6.04
ATP5C1	1,537.73	chr10	10p15.1	50	102.48
PDK4	1,529.67	chr7	7q21.3	49	140.63
RPL13	1,525.14	chr16	17p11.2	95	103.47
Hs.731449	1,524.50	chr8	N/A	3	3.04
RPS15	1,523.41	chr19	19p13.3	45	75.22
FABP3	1,521.64	chr1	1p33-p32	59	114.26
MRPL41	1,516.53	chr9	9q34.3	36	135.83
Hs.705996	1,497.78	chr20	N/A	10	54.06
ATP5E	1,492.03	chr20	20q13.32	28	70.16
Hs.736281	1,471.12	chr11	N/A	1	0.00
ATP5F1	1,469.83	chr1	1p13.2	38	86.33
Hs.713091	1,466.93	chr2	N/A	1	0.00
EEF1A2	1,463.32	chr20	20q13.3	32	143.61
COX6B1	1,460.05	chr19	19q13.1	40	90.41
GSTP1	1,451.66	chr11	11q13	57	69.38
EEF1G	1,449.16	chr11	11q12.3	68	69.02
Hs.707165	1,446.21	chr1	N/A	7	102.76
CHST6	1,445.30	chr16	16q22	22	251.58
TRIM63	1,442.54	chr1	1p34-p33	18	66.34
RPLP2	1,439.75	chr11	11p15.5	42	113.11
RPS27A	1,439.11	chr2	2p16	58	125.05
UQCRC1	1,437.97	chr3	3p21.3	35	86.22
RPS8	1,437.84	chr1	1p34.1-p32	39	77.29
CHCHD10	1,436.57	chr22	22q11.23	24	146.30
ATP5G1	1,435.98	chr17	17q21.32	33	93.91
MGP	1,434.51	chr12	12p12.3	41	138.23
TUBA1B	1,426.25	chr12	12q13.12	43	82.90
FAU	1,409.19	chr11	11q13	57	65.75
MYOM1	1,406.86	chr18	18p11.31	32	136.92
LPL	1,403.76	chr8	8p22	42	79.84
ISCU	1,403.53	chr12	12q24.1	33	54.62
Hs.655542	1,397.29	chr9	N/A	8	125.57
NDUFAB1	1,393.94	chr16	16p12.2	37	102.02
SMPX	1,392.31	chrX	Xp22.1	21	59.32
RPS28	1,381.37	chr19	19p13.2	60	125.54

BCAM	1,378.48	chr19	19q13.2	65	241.02
ENO3	1,378.30	chr17	17pter-p11	32	82.53
RPS6	1,375.11	chr9	9p21	74	127.29
ITM2B	1,363.80	chr13	13q14.3	47	120.58
ACO2	1,363.18	chr22	22q13.2	32	52.50
Hs.374521	1,362.16	chrX	N/A	7	263.11
Hs.708278	1,345.45	chr3	N/A	7	54.14
RPL31	1,343.89	chr2	2q11.2	77	106.07
Hs.35052	1,335.33	chr12	N/A	12	133.41
YBX3	1,333.83	chr12	12p13.1	48	177.32
FTL	1,332.17	chr19	19q13.33	67	121.17
UBA52	1,322.43	chr19	19p13.1-p12	66	135.64
Hs.707152	1,319.81	chr20	N/A	15	64.47
Hs.593827	1,314.40	chr6	N/A	7	79.36
RPL26	1,312.90	chr17	17p13	64	65.17
FLJ40448	1,311.92	chr16	16q24.3	14	196.94
RPL35	1,311.76	chr9	9q34.1	65	75.58
ATP5L	1,310.47	chr11	11q23.3	53	92.36
IFITM3	1,298.68	chr11	11p15.5	33	79.96
RPL24	1,295.44	chr3	3q12	44	84.27
RPS13	1,286.09	chr11	11p15	52	57.79
Hs.595507	1,277.72	chr1	N/A	7	59.06
RPL6	1,274.72	chr12	12q24.1	80	192.81
C14orf2	1,273.45	chr14	14q32.33	35	119.59
Hs.638795	1,272.41	chr15	N/A	3	5.59
Hs.708521	1,270.77	chr11	N/A	7	63.88
ACTG1	1,269.51	chr17	17q25	82	87.96
PRDX5	1,256.77	chr11	11q13	50	105.12
CALM2	1,252.63	chr2	2p21	38	149.09
Hs.731123	1,250.73	chr1	N/A	7	203.24
B2M	1,249.46	chr15	15q21-q22.2	80	143.48
DBNDD2	1,240.89	chr20	20q13.12	32	162.43
RPL39	1,238.62	chrX	Xq24	36	78.44
NDUFB5	1,224.99	chr3	3q26.33	30	150.35
ATP5G2	1,222.16	chr12	12q13.13	43	113.33
Hs.745031	1,216.71	chr8	N/A	7	108.76
RYR2	1,213.96	chr1	1q43	42	101.70
SOD1	1,212.50	chr21	21q22.11	58	52.38
GNAS	1,212.40	chr20	20q13.3	175	159.61
CCNI	1,211.76	chr4	4q21.1	24	99.99
RPL35A	1,206.10	chr3	3q29	35	95.71
Hs.611451	1,203.98	chr5	N/A	7	89.53
GGT6	1,203.80	chr17	17p13.2	25	139.32
IFITM2	1,201.40	chr11	11p15.5	35	84.97
NDUFA11	1,189.45	chr19	19p13.3	42	211.73
C5orf49	1,188.27	chr5	5p15.31	15	198.60
JUND	1,170.15	chr19	19p13.2	62	136.99
NACA	1,168.12	chr12	12q23-q24.1	78	113.67
Hs.713664	1,167.77	chr2	N/A	29	108.27
Hs.715113	1,164.53	chr9	N/A	1	0.00
RPL7A	1,163.29	chr9	9q34	85	84.27
RPL5	1,160.69	chr1	1p22.1	57	149.59
HSPB8	1,159.25	chr12	12q24.23	45	116.10
GPI	1,156.59	chr19	19q13.1	30	48.67
NDUFB4	1,154.19	chr3	3q13.33	32	99.49
PFKM	1,150.20	chr12	12q13.3	30	50.61
HSPA8	1,148.54	chr11	11q24.1	99	93.92
PCBP1	1,146.29	chr2	2p13-p12	39	114.79
TOMM7	1,146.22	chr7	7p15.3	53	103.44
NMRK2	1,143.51	chr19	19p13.3	24	133.17
DRD4	1,140.64	chr11	11p15.5	33	178.81
NDRG4	1,139.41	chr16	16q21-q22.1	39	127.32
H3F3A	1,135.31	chr1	1q42.12	103	79.14
EIF1B	1,131.93	chr3	3p22.1	31	68.57
RPL10A	1,131.91	chr6	6p21.31	45	86.42
NRAP	1,131.04	chr10	10q24-q26	69	171.99

Hs.573633	1,130.51	chrX	N/A	7	261.21
Hs.129621	1,128.12	chr21	N/A	7	88.92
CYB5R3	1,126.43	chr22	22q13.2	65	125.57
GNB2L1	1,125.47	chr5	5q35.3	46	132.21
UQCRC2	1,117.90	chr16	16p12	51	156.90
A2M	1,116.17	chr12	12p13.31	29	45.62
MVD	1,112.90	chr16	16q24.3	36	270.03
RPS4X	1,106.14	chrX	Xq13.1	44	78.81
CHCHD2	1,103.92	chr7	7p11.2	63	94.97
RPS23	1,103.47	chr5	5q14.2	50	98.44
ILDR1	1,103.31	chr3	3q13.33	30	204.89
DBI	1,102.53	chr2	2q12-q21	43	71.64
RPL12	1,102.08	chr9	9q34	73	91.19
ACADM	1,099.09	chr1	1p31	33	182.53
IFITM1	1,096.39	chr11	11p15.5	49	116.56
VIM	1,093.76	chr10	10p13	63	71.69
RPL23	1,089.67	chr17	17q	54	117.67
TMSB10	1,084.52	chr2	2p11.2	36	133.62
MYL6	1,084.51	chr12	12q13.2	48	79.33
LGALS1	1,082.16	chr22	22q13.1	38	76.15
UQCR11	1,081.91	chr19	19p13.3	55	112.15
PRDX6	1,080.89	chr1	1q25.1	32	66.27
MFN2	1,078.49	chr1	1p36.22	36	61.34
Hs.597480	1,071.96	chr7	N/A	7	55.39
GOT1	1,069.71	chr10	10q24.1-q25.1	57	124.61
NDUFA6	1,066.55	chr22	22q13.2	40	65.85
ACTN2	1,063.62	chr1	1q42-q43	43	100.70
Hs.541688	1,063.49	chr2	N/A	10	312.57
PDHA1	1,062.44	chrX	Xp22.1	44	87.22
CYCS	1,061.62	chr7	7p15.3	60	190.69
RPL32	1,061.43	chr3	3p25-p24	55	101.81
Hs.602410	1,057.84	chr7	N/A	2	35.78
GHITM	1,057.43	chr10	10q23.1	39	111.63
ETFB	1,054.43	chr19	19q13.3	61	76.32
Hs.566749	1,051.89	chr9	N/A	5	52.98
HLA-B	1,049.20	chr6	6p21.3	71	76.65
DKK3	1,043.27	chr11	11p15.2	97	153.76
HHATL	1,042.92	chr3	3p22.1	26	173.57
PARK7	1,039.94	chr1	1p36.23	28	50.02
SLC35E4	1,036.10	chr22	22q12.2	39	199.96
FABP4	1,034.32	chr8	8q21	60	118.34
RPL19	1,030.08	chr17	17q12	46	114.65
ANKRD1	1,028.22	chr10	10q23.31	37	129.71
ALDH2	1,027.10	chr12	12q24.2	38	94.70
EIF3K	1,025.26	chr19	19q13.2	51	43.64
XIRP1	1,021.06	chr3	3p22.2	18	169.28
Hs.509410	1,019.80	chr6	N/A	15	205.20
SELK	1,018.03	chr3	3p21.31	38	164.15
RPL36AL	1,014.21	chr14	14q21	37	103.91
ATP5J2	1,008.15	chr7	7q22.1	60	101.73
POPDC2	1,006.54	chr3	3q13.33	42	103.95
DCN	1,004.20	chr12	12q21.33	58	155.84
RPL9	1,003.85	chr4	4p13	101	101.78
PGM1	1,003.73	chr1	1p31	30	91.40
NDUFS7	1,000.44	chr19	19p13.3	33	73.07
SYNPO2L	997.65	chr10	10q22.2	29	109.98
S100A6	994.48	chr1	1q21	22	58.54
Hs.561954	994.42	chr9	N/A	8	84.23
MDH2	988.77	chr7	7cen-q22	54	199.04
Hs.604292	988.55	chr13	N/A	7	39.01
LAPTM4B	988.18	chr8	8q22.1	64	118.99
Hs.714925	987.94	chr11	N/A	7	263.08
EPHX3	987.78	chr19	19p13.12	21	130.11
MPC1	987.49	chr6	6q27	31	93.09
CFD	985.40	chr19	19p13.3	39	80.29
MTCH1	983.93	chr6	6p21.2	38	103.16

NDUFB3	982.88	chr2	2q31.3	33	88.34
NFE2L1	980.53	chr17	17q21.3	78	102.06
VWF	979.27	chr12	12p13.3	66	109.03
PSAP	978.86	chr10	10q21-q22	54	106.37
PSMB9	978.20	chr6	6p21.3	33	215.89
MYL4	975.16	chr17	17q21-qter	74	97.03
ALPK1	974.20	chr4	4q25	58	300.62
NDUFA2	970.41	chr5	5q31.2	51	150.17
MIF	966.89	chr22	22q11.23	44	48.81
Hs.601529	963.57	chr1	N/A	7	76.10
Hs.731444	956.50	chr1	N/A	7	114.73
RPS7	956.45	chr2	2p25	66	117.44
Hs.743460	951.99	chr1	N/A	10	101.23
RCOR2	946.93	chr11	11q13.1	29	138.72
TPI1	945.55	chr12	12p13	57	115.03
KLC3	945.45	chr19	19q13	39	244.59
RPL10	943.33	chrX	Xq28	153	127.19
RPS21	937.48	chr20	20q13.3	54	117.92
MT2A	932.03	chr16	16q13	37	62.01
Hs.597147	930.05	chr17	N/A	2	85.06
ECH1	922.47	chr19	19q13.1	52	128.95
RPS14	921.34	chr5	5q31-q33	95	111.77
DSTN	917.31	chr20	20p12.1	39	85.99
ABLIM1	917.14	chr10	10q25	77	129.73
RCAN2	910.94	chr6	6p12.3	46	69.11
RPL37	909.49	chr5	5p13	47	158.05
NDUFB8	907.92	chr10	10q24.31	47	126.94
Hs.671570	906.20	chr4	N/A	3	2.27
SPARC	901.92	chr5	5q31.3-q32	37	94.01
Hs.573585	901.15	chr9	N/A	5	60.77
EEF1D	896.43	chr8	8q24.3	128	98.00
Hs.697535	892.14	chr7	N/A	7	64.73
NDUFS1	887.52	chr2	2q33-q34	51	143.52
RPL21	885.74	chr13	13q12.2	192	74.38
Hs.596200	884.32	chr1	N/A	7	48.22
MYOZ2	877.55	chr4	4q26-q27	57	133.93
TIMM8B	877.36	chr11	11q23.1-q23.2	29	67.75
RBPMS2	877.08	chr15	15q22.31	23	141.22
RPS3A	877.00	chr4	4q31.2-q31.3	97	108.62
PEBP1	875.69	chr12	12q24.23	45	112.58
GLTSCR2	875.02	chr19	19q13.3	38	102.45
GLTSCR1	873.43	chr19	19q13.3	31	170.74
DCAF6	872.59	chr1	1q24.2	45	250.56
ACAT1	869.25	chr11	11q22.3	40	99.79
Hs.656051	868.38	chr3	N/A	7	60.15
NDUFB2	867.68	chr7	7q34	58	119.69
HCN2	865.22	chr19	19p13.3	34	187.07
PLA2G16	862.59	chr11	11q12.3	34	95.10
PHPT1	854.10	chr9	9q34.3	42	199.29
NDUFB1	853.75	chr14	14q32.12	35	77.08
LDHA	853.17	chr11	11p15.4	50	117.10
Hs.723368	847.12	chr12	N/A	1	0.00
TBC1D10B	846.43	chr16	16p11.2	28	131.23
PRNP	846.42	chr20	20p13	66	168.84
Hs.503453	840.91	chr11	N/A	12	229.36
Hs.622517	840.82	chr4	N/A	3	6.42
HINT1	839.96	chr5	5q31.2	52	62.00
VDAC1	836.84	chr5	5q31	70	139.78
S100A10	835.69	chr1	1q21	37	101.74
NDUFC1	834.97	chr4	4q31.1	33	70.45
CST3	830.98	chr20	20p11.21	24	88.68
RPS24	828.41	chr10	10q22	41	94.90
Hs.708558	826.37	chr5	N/A	19	109.39
IDH2	825.32	chr15	15q26.1	35	93.55
TMA7	825.03	chr3	3p21.31	48	109.10
Hs.105635	825.00	chr6	N/A	7	56.34

SPDYE2	822.25	chr7	7q22.1	14	143.12
TMEM14C	819.41	chr6	6p24.2	20	73.34
Hs.713758	818.03	chr13	N/A	10	108.01
PXN	815.96	chr12	12q24.31	55	208.18
Hs.711015	807.77	chrX	N/A	10	231.43
MZT2B	806.79	chr2	2q21.1	61	126.54
Hs.600080	804.90	chr12	N/A	8	69.33
RPS5	803.91	chr19	19q13.4	48	116.62
NACC1	803.84	chr19	19p13.2	40	204.04
PRKAR1A	800.49	chr17	17q23-q24	94	162.88
HSP90B1	799.78	chr12	12q24.2-q24.3	68	200.94
Hs.430013	799.24	chr10	N/A	7	250.99
HRASLS5	795.62	chr11	11q13.2	36	200.74
RPL18	791.38	chr19	19q13	53	141.26
BRI3	787.23	chr7	7q21.3	24	92.84
NDUFS8	785.91	chr11	11q13	36	106.21
UQCR10	785.36	chr22	22q12.2	52	118.65
USMG5	785.15	chr10	10q24.33	24	122.23
NEXN	784.87	chr1	1p31.1	42	94.68
TUBB4B	781.87	chr9	9q34	55	89.22
RPL28	781.61	chr19	19q13.4	45	140.58
PGAM2	780.20	chr7	7p13-p12	23	57.94
LDB3	779.22	chr10	10q22.3-q23.2	67	155.15
LAPTM4A	779.05	chr2	2p24.1	30	72.30
Hs.597575	778.13	chr12	N/A	7	55.53
MNF1	777.87	chr6	6p21.31	20	145.76
SPARCL1	777.22	chr4	4q22.1	50	112.68
NGFRAP1	776.81	chrX	Xq22.2	42	78.64
CRIP2	775.56	chr14	14q32.3	37	108.52
Hs.664516	773.63	chr21	N/A	7	258.34
MAPKAPK3	773.52	chr3	3p21.3	44	84.17
FAM127A	772.46	chrX	Xq26	49	87.86
Hs.734280	770.70	chr16	N/A	8	233.51
CEP19	769.86	chr3	3q29	29	262.83
SDHA	766.60	chr5	5p15	49	70.14
GSTO1	765.16	chr10	10q25.1	51	68.51
C12orf57	764.55	chr12	12p13.31	18	164.15
ECHS1	764.25	chr10	10q26.2-q26.3	30	39.56
NDUFA12	763.56	chr12	12q22	26	64.69
Hs.715807	762.86	chrY	N/A	7	188.33
RPL15	761.34	chr3	3p24.2	63	114.10
CFL1	761.25	chr11	11q13	34	146.64
Hs.450979	760.31	chr14	N/A	3	3.69
RPSA	760.21	chr3	3p22.2	55	156.04
GOT2	759.61	chr16	16q21	55	113.87
Hs.708066	759.00	chr14	N/A	7	39.11
LOC100132735	756.16	chr6	6q24.1	18	416.82
RPS19	753.26	chr19	19q13.2	63	96.52
HSPA1A	752.47	chr6	6p21.3	59	123.03
EIF4A2	750.79	chr3	3q28	63	161.71
RPL7	750.69	chr8	8q21.11	77	155.86
HSP90AB1	747.65	chr6	6p12	60	170.90
DDX5	744.83	chr17	17q21	49	99.61
PRDX1	741.65	chr1	1p34.1	38	61.19
POTEF	740.58	chr2	2q21.1	5	133.38
HLA-A	736.90	chr6	6p21.3	71	141.71
RPL3	736.08	chr22	22q13	92	89.81
Hs.660777	735.14	chr2	N/A	14	46.70
PALLD	734.73	chr4	4q32.3	69	155.04
PDLIM5	733.34	chr4	4q22	141	178.49
Hs.707189	729.96	chr4	N/A	10	115.75
Hs.633942	729.94	chr1	N/A	24	260.93
LCE1D	728.37	chr1	1q21.3	16	95.49
MAP7D1	727.89	chr1	1p34.3	28	74.21
CCL2	727.27	chr17	17q11.2-q12	67	337.30
CAV1	727.04	chr7	7q31.1	70	109.01

NDUFS3	725.02	chr11	11p11.11	29	69.42
PFN1	724.04	chr17	17p13.3	50	198.65
POLR2L	723.36	chr11	11p15	55	92.28
RPL27	721.62	chr17	17q21	57	133.06
RPS3	721.57	chr11	11q13.3-q13.5	51	97.73
ANAPC11	716.74	chr17	17q25.3	32	117.30
NDUFA3	716.44	chr19	19q13.42	31	69.47
Hs.714052	716.39	chr19	N/A	7	86.20
Hs.593027	716.27	chr11	N/A	8	119.56
Hs.116161	715.76	chr2	N/A	10	309.63
MRPL51	715.22	chr12	12p13.3-p13.1	18	27.31
MRPL33	714.41	chr2	2p21	56	106.39
SUCLG1	713.36	chr2	2p11.2	29	79.32
Hs.703493	712.23	chr12	N/A	7	160.72
UBOX5	710.41	chr20	20p13	51	387.07
GABARAP	710.27	chr17	17p13.1	30	118.86
Hs.595524	708.90	chr9	N/A	13	73.13
ANXA5	706.84	chr4	4q27	36	133.07
Hs.720702	706.65	chr14	N/A	7	118.12
Hs.122288	706.52	chr2	N/A	10	312.26
TPM2	706.20	chr9	9p13	60	106.41
ATF4	705.69	chr22	22q13.1	64	120.93
Hs.741802	703.67	chr12	N/A	1	0.00
CLTB	700.78	chr5	5q35	67	253.96
Hs.644649	698.25	chr12	N/A	5	48.98
Hs.744999	698.23	chr10	N/A	12	85.30
NACA2	697.84	chr17	17q23.2	21	94.88
VDAC2	696.82	chr10	10q22	47	61.98
Hs.603253	696.10	chr5	N/A	3	136.75
TUBA1A	695.96	chr12	12q13.12	31	138.99
CD59	695.91	chr11	11p13	106	183.55
DUX4	694.16	chr4	4q35	21	107.52
FUT6	693.84	chr19	19p13.3	63	426.33
FLNC	692.40	chr7	7q32-q35	33	108.20
COX17	691.73	chr3	3q13.33	41	77.85
NDUFA13	690.49	chr19	19p13.2	46	80.94
RPL17	689.99	chr18	18q21	67	105.30
Hs.705664	689.70	chr7	N/A	5	51.31
RPL14	689.44	chr3	3p22-p21.2	70	85.41
BZW2	685.88	chr7	7p21.1	21	59.98
POLR2B	685.20	chr4	4q12	39	171.94
RPL27A	682.91	chr11	11p15	85	148.24
TIMP1	682.70	chrX	Xp11.3-p11.23	50	145.52
FAM129A	682.53	chr1	1q25	63	113.96
Hs.714436	682.37	chr1	N/A	7	61.07
HOXA3	682.33	chr7	7p15.2	41	181.78
RPL29	679.68	chr3	3p21.3-p21.2	68	68.59
Hs.728972	678.01	chr6	N/A	26	76.14
PDZD7	677.49	chr10	10q24.31	32	179.01
CSDE1	674.92	chr1	1p22	81	163.48
RPS15A	674.10	chr16	16p	79	99.31
NDUFV1	672.94	chr11	11q13	37	92.71
EIF3C	672.32	chr16	16p11.2	41	104.48
Hs.481342	672.01	chr4	N/A	10	63.64
DDX1	670.71	chr2	2p24	30	84.70
COX14	670.18	chr12	12q13.12	26	81.48
RPL4	669.93	chr15	15q22	65	86.00
EIF3E	669.75	chr8	8q22-q23	63	142.27
CAPNS1	669.70	chr19	19q13.12	40	89.30
ZNF106	668.51	chr15	15q15.1	57	107.69
MRPS24	666.17	chr7	7p14	24	69.43
G0S2	660.34	chr1	1q32.2	30	61.26
PFDN5	660.09	chr12	12q12	48	61.07
PSMB1	659.94	chr6	6q27	50	77.57
Hs.658940	657.91	chr6	N/A	7	88.64
SORBS2	656.15	chr4	4q35.1	97	155.77

TCEB2	654.33	chr16	16p12.3	53	98.19
MYL9	651.22	chr20	20q11.23	38	120.62
RPS4Y1	649.60	chrY	Yp11.3	37	73.88
RAMP1	649.55	chr2	2q36-q37.1	29	106.74
FSTL1	649.47	chr3	3q13.33	42	86.05
GPX1	647.94	chr3	3p21.3	30	73.38
Hs.545599	646.04	chr9	N/A	3	143.46
GSN	645.29	chr9	9q33	72	156.84
AARSD1	644.83	chr17	17q21.31	4	92.30
ROMO1	642.23	chr20	20q11.22	24	90.39
GTF3A	642.16	chr13	13q12.3-q13.1	21	81.41
ORAI1	640.54	chr12	12q24.31	45	184.58
CD36	638.14	chr7	7q11.2	90	178.54
PSMB6	637.17	chr17	17p13	38	76.01
Hs.661405	636.21	chr15	N/A	7	146.57
TUFM	636.15	chr16	16p11.2	24	55.66
MTIX	636.00	chr16	16q13	48	142.95
NDOR1	635.66	chr9	9q34.3	31	149.39
Hs.713327	632.73	chr10	N/A	15	152.87
HLA-E	630.84	chr6	6p21.3	58	73.85
SNX3	630.40	chr6	6q21	46	89.09
SDHD	629.52	chr11	11q23	75	274.65
AKR1B1	629.16	chr7	7q35	30	74.40
ATP5D	628.33	chr19	19p13.3	50	84.08
ATPIF1	625.42	chr1	1p35.3	37	65.46
CDH2	624.40	chr18	18q11.2	44	145.07
HLA-G	624.23	chr6	6p21.3	70	138.90
RPL34	623.84	chr4	4q25	93	87.65
HIST3H3	623.42	chr1	1q42	21	111.29
RELB	623.25	chr19	19q13.32	30	191.99
Hs.608830	621.73	chr8	N/A	7	75.04
CKB	620.07	chr14	14q32	45	54.95
LGALS3BP	617.75	chr17	17q25	40	157.18
Hs.660321	617.71	chr11	N/A	6	52.67
HSPA1B	617.53	chr6	6p21.3	13	115.43
PSMB4	617.06	chr1	1q21	36	51.67
VDAC3	616.62	chr8	8p11.2	53	117.07
ADPRHL1	615.53	chr13	13q34	34	113.66
SRSF5	615.06	chr14	14q24	68	175.06
RAX2	614.41	chr19	19p13.3	32	168.88
TIMMDC1	614.04	chr3	3q13.33	26	57.35
CS	612.45	chr12	12q13.2	62	181.65
UBL5	611.64	chr19	19p13.3	31	98.84
RPS9	610.95	chr19	19q13.4	78	125.09
PSMC1	610.62	chr14	14q32.11	43	63.22
TMEM175	609.00	chr4	4p16.3	26	137.29
GABARAPL1	608.63	chr12	12p13.2	45	113.08
GLRX5	608.37	chr14	14q32.13	28	95.86
NDUFA9	605.46	chr12	12p13.3	42	93.12
NDUFB11	603.93	chrX	Xp11.23	31	86.97
CISD1	603.10	chr10	10q21.1	40	105.04
KTN1	602.88	chr14	14q22.1	54	234.19
MT1A	600.61	chr16	16q13	21	86.58
RPS26	599.65	chr12	12q13	58	114.81
Hs.663896	599.14	chr17	N/A	15	72.77
HSPB6	598.85	chr19	19q13.12	45	179.35
PRR24	597.87	chr19	19q13.32	5	120.95
MTIHL1	597.06	chr1	1q43	8	101.80
F2R	596.25	chr5	5q13	41	340.23
TMEM150C	595.57	chr4	4q21.22	39	352.59
ITGA7	595.20	chr12	12q13	45	122.98
AURKAIP1	593.40	chr1	1p36.33	33	101.90
PSMA1	592.33	chr11	11p15.1	61	123.45
LAIR1	592.19	chr19	19q13.4	51	383.59
EIF4G2	591.67	chr11	11p15	35	98.55
MYH9	591.52	chr22	22q13.1	50	136.40

HSP90AA1	591.39	chr14	14q32.33	92	77.29
RHOA	591.11	chr3	3p21.3	77	89.41
Hs.649202	590.51	chr6	N/A	7	45.51
ISYNA1	590.13	chr19	19p13.11	37	318.20
YBX1	588.95	chr1	1p34	67	87.60
Hs.597241	588.93	chr5	N/A	2	82.34
NCL	588.53	chr2	2q37.1	43	128.34
PHB2	587.90	chr12	12p13	30	77.89
Hs.656166	586.32	chr6	N/A	2	5.08
GABARAPL2	584.24	chr16	16q22.1	43	84.48
MRFAP1	581.46	chr4	4p16.1	36	84.22
MORF4L1	581.18	chr15	15q24	45	81.16
HIGD1A	581.17	chr3	3p22.1	40	86.57
ARMC7	580.75	chr17	17q25.1	30	288.65
INE1	580.66	chrX	Xp11.4-p11.3	33	176.95
PPP1R12B	580.21	chr1	1q32.1	105	220.55
NDUFS6	580.14	chr5	5p15.33	30	87.42
MSRB2	579.12	chr10	10p12	44	98.86
OST4	578.75	chr2	2p23.3	18	58.96
FAM129B	578.53	chr9	9q34.13	43	151.93
Hs.726725	578.06	chr16	N/A	7	92.05
ECI1	574.98	chr16	16p13.3	30	67.86
LAMTOR5	574.93	chr1	1p13.3	40	86.54
PDLIM1	574.93	chr10	10q23.1	30	116.71
PSMA6	574.89	chr14	14q13	51	75.65
VHL	574.55	chr3	3p25.3	58	446.30
DAZAP2	574.02	chr12	12q12	42	113.92
Hs.633688	573.93	chr10	N/A	7	67.25
EGR1	573.89	chr5	5q31.1	36	193.21
DYNLL1	573.01	chr12	12q24.23	43	87.94
ATP6V0C	571.52	chr16	16p13.3	51	109.51
LINC00493	570.49	chr20	20p11.23	6	56.26
TCEB1	570.18	chr8	8q21.11	47	101.54
SH3RF2	568.25	chr5	5q32	40	231.00
COQ10A	567.54	chr12	12q13.3	33	90.76
OXA1L	566.30	chr14	14q11.2	37	102.83
SERF2	564.17	chr15	15q15.3	77	124.21
Hs.708219	563.31	chr6	N/A	8	109.38
AQP1	562.88	chr7	7p14	48	76.26
STARD7	562.87	chr2	2q11.2	43	106.73
Hs.436298	562.74	chr12	N/A	10	98.94
CD151	562.71	chr11	11p15.5	36	189.63
CTSB	561.15	chr8	8p22	66	95.16
NPC2	560.82	chr14	14q24.3	28	107.61
C20orf24	560.35	chr20	20q11.23	53	259.09
PDHB	559.90	chr3	3p21.1-p14.2	28	107.88
CLEC3B	559.11	chr3	3p22-p21.3	30	85.50
Hs.514368	558.76	chr17	N/A	8	109.04
Hs.708940	558.65	chr3	N/A	5	81.25
NOMO2	557.08	chr16	16p12.3	29	143.81
BTF3	556.98	chr5	5q13.2	92	157.16
TECRL	555.22	chr4	4q13.1	31	105.77
PAR5	554.12	chr15	15q11-q13	24	174.51
Hs.596714	553.59	chr3	N/A	7	82.36
LCE1A	553.56	chr1	1q21.3	15	89.01
LAMB2	549.52	chr3	3p21	30	60.51
PSME2	547.17	chr14	14q11.2	39	128.67
Hs.708355	546.41	chr9	N/A	7	94.36
PLA2G2A	546.06	chr1	1p35	32	218.29
CYR61	545.83	chr1	1p22.3	76	172.27
Hs.546323	544.45	chr13	N/A	7	49.19
Hs.707091	544.40	chr14	N/A	25	190.26
ATRAID	544.21	chr2	2p23.3	31	78.41
RGS5	544.16	chr1	1q23.1	81	172.48
NDUFA7	543.67	chr19	19p13.2	30	70.02
TUBA1C	542.95	chr12	12q13.12	56	103.67

NCOA4	542.28	chr10	10q11.2	40	166.83
ATP6V1F	542.20	chr7	7q32	30	57.83
AKAP2	541.40	chr9	9q31.3	110	314.11
PPIA	540.97	chr7	7p13	108	84.54
ATP6V1E1	540.77	chr22	22q11.1	38	116.14
BCYRN1	540.19	chr2	2p21	3	14.77
Hs.151675	539.92	chr20	N/A	8	103.97
PGK1	539.69	chrX	Xq13.3	120	139.37
RPL36A	538.64	chrX	Xq22.1	72	115.89
SLC25A5	538.07	chrX	Xq24	69	104.71
Hs.730652	537.99	chr14	N/A	3	3.65
ETFA	537.72	chr15	15q23-q25	52	131.34
Hs.714388	536.29	chr11	N/A	1	0.00
DPYSL2	536.12	chr8	8p22-p21	50	219.77
EID1	535.06	chr15	15q21.1	42	68.42
Hs.596770	534.74	chr8	N/A	8	278.57
Hs.128317	534.64	chr15	N/A	10	111.21
C21orf33	534.32	chr21	21q22.3	55	79.46
Hs.705571	534.00	chr18	N/A	7	24.50
COQ9	533.55	chr16	16q21	41	127.49
SDHB	533.48	chr1	1p36.1-p35	35	122.30
CTSL1	533.38	chr9	9q21.33	36	93.48
Hs.720688	531.32	chrX	N/A	1	0.00
MED13L	530.95	chr12	12q24.21	98	246.81
TMEM258	530.69	chr11	11q12.2	28	100.28
ARHGEF15	530.19	chr17	17p13.1	38	186.25
SNRPD2	530.11	chr19	19q13.2	33	137.01
PPP2R1A	529.36	chr19	19q13.41	50	118.79
CRYM	529.04	chr16	16p12.2	36	71.95
YWHAG	528.86	chr7	7q11.23	38	85.82
ANAPC16	528.85	chr10	10q22.1	39	98.30
CCDC152	528.21	chr5	5p12	1	0.00
CNN3	527.82	chr1	1p22-p21	38	116.38
ATP1A2	527.77	chr1	1q23.2	35	114.50
Hs.658679	527.35	chr20	N/A	7	218.54
Hs.733285	527.02	chr1	N/A	7	65.60
Hs.656630	526.49	chrX	N/A	1	0.00
FHOD3	525.62	chr18	18q12	35	82.32
PEA15	524.21	chr1	1q21.1	64	147.46
NOP10	524.00	chr15	15q14-q15	28	65.86
NDUFV2	523.85	chr18	18p11.22	42	104.90
Hs.709438	523.70	chr13	N/A	8	238.65
LINC00520	523.46	chr14	14q22.3	1	0.00
Hs.667717	521.87	chr10	N/A	3	115.31
Hs.655145	520.96	chr4	N/A	14	91.91
Hs.711300	520.49	chr2	N/A	7	40.68
TUBA3C	519.83	chr13	13q11	32	137.65
PDE3A	519.01	chr12	12p12	37	211.81
NDUF3A3	518.73	chr3	3p21.31	42	133.03
FABP7	517.80	chr6	6q22-q23	47	469.16
Hs.705584	516.97	chr11	N/A	7	78.80
NFKBIA	515.98	chr14	14q13	39	197.80
Hs.707230	515.78	chr7	N/A	3	1.89
CNN1	515.53	chr19	19p13.2-p13.1	30	157.34
POMP	515.44	chr13	13q12.3	39	104.62
ALDOC	514.99	chr17	17cen-q12	35	108.13
CRTC1	514.88	chr19	19p13.11	51	243.53
CT60	513.42	chr15	15q11.2	15	381.36
LGALS3	513.41	chr14	14q22.3	41	95.04
EDF1	513.27	chr9	9q34.3	37	85.30
COL6A3	513.09	chr2	2q37	42	178.52
Hs.713944	513.05	chr2	N/A	1	0.00
SET	512.72	chr9	9q34	79	168.37
NUCKS1	512.72	chr1	1q32.1	120	163.25
CSTB	512.68	chr21	21q22.3	30	70.26
TLE1	512.01	chr9	9q21.32	59	210.78

GPD1L	510.84	chr3	3p22.3	40	119.89
Hs.709696	509.68	chr11	N/A	11	104.85
Hs.708073	509.67	chr4	N/A	8	90.26
OCIAD1	509.40	chr4	4p11	61	155.98
RPS27L	508.73	chr15	15q22.2	33	86.22
Hs.514934	508.43	chr1	N/A	8	92.76
MPC2	507.82	chr1	1q24	26	58.58
ZNF600	507.14	chr19	19q13.41	41	263.96
MINOS1	504.91	chr1	1p36.13	39	118.15
Hs.569882	504.44	chr18	N/A	7	67.30
TPSG1	503.87	chr16	16p13.3	35	159.64
Hs.701700	503.83	chr7	N/A	7	59.57
Hs.701344	503.64	chr6	N/A	1	0.00
CLUAP1	503.39	chr16	16p13.3	39	330.73
H3F3C	502.73	chr12	12p11.21	16	60.94
PSMD8	501.95	chr19	19q13.2	35	98.68
CD99	499.95	chrX	Xp22.32 and Yp11	65	92.74
BNIP3	498.82	chr10	10q26.3	31	121.56
ECI2	498.52	chr6	6p24.3	34	90.88
Hs.697237	497.58	chr2	N/A	7	47.15
PPAPDC3	496.88	chr9	9q34.13	19	43.14
SYNGR2	496.85	chr17	17q25.3	38	108.82
TMEM205	496.29	chr19	19p13.2	23	79.76
EPAS1	495.43	chr2	2p21-p16	78	179.59
Hs.294113	494.95	chr3	N/A	7	258.08
OXCT1	494.84	chr5	5p13.1	46	132.34
SNHG6	492.82	chr8	8q13	8	78.92
SLIRP	492.04	chr14	14q24.3	21	87.30
Hs.733612	490.88	chr1	N/A	14	46.06
SNTA1	489.75	chr20	20q11.2	47	98.04
Hs.716502	489.20	chr10	N/A	14	67.63
PDCD5	488.86	chr19	19q13.11	36	156.27
SRSF2	488.65	chr17	17q25.1	52	133.75
C14orf166	488.61	chr14	14q22.1	28	57.93
TUBA3D	488.06	chr2	2q21.1	48	192.03
EIF3D	486.38	chr22	22q13.1	48	104.30
Hs.714386	485.84	chr4	N/A	7	70.15
COX6A1	484.66	chr12	12q24.2	45	110.51
P4HB	484.49	chr17	17q25	62	81.22
LMOD2	483.66	chr7	7q31.32	16	83.68
AK3	483.21	chr9	9p24.1	17	129.12
FAM195B	483.15	chr17	17q25.3	19	127.44
SMARCC2	481.87	chr12	12q13.2	79	213.40
IFI27	481.71	chr14	14q32	130	44.26
KIF1C	481.22	chr17	17p13.2	87	185.15
HMGN2	479.68	chr1	1p36.1	87	82.39
PTRF	479.40	chr17	17q21.2	57	137.94
BAG3	478.26	chr10	10q25.2-q26.2	38	93.73
Hs.600639	478.18	chr13	N/A	7	90.87
VEGFB	477.70	chr11	11q13	51	119.20
HSPB2	476.22	chr11	11q22-q23	39	71.40
FAM134B	475.59	chr5	5p15.1	79	196.03
NDUFB7	475.45	chr19	19p13.12	47	94.34
LOC401397	475.05	chr7	7q31.1	30	175.84
CALM1	474.73	chr14	14q32.11	93	154.07
TUBA4A	473.56	chr2	2q35	69	107.51
RPL3L	473.40	chr16	16p13.3	28	76.69
AARS	473.38	chr16	16q22	30	134.45
GBAS	473.18	chr7	7p12	28	107.99
CLIC5	472.77	chr6	6p12.3	68	115.20
Hs.718609	472.45	chr1	N/A	7	204.15
NEDD8	472.06	chr14	14q12	62	119.87
LOC728888	472.01	chr16	16p11.2	3	4.30
Hs.713001	471.67	chr17	N/A	7	152.17
CTGF	471.64	chr6	6q23.1	50	151.46
PCOLCE2	470.95	chr3	3q21-q24	31	70.00

Hs.726399	470.48	chr22	N/A	7	74.60
Hs.309753	470.13	chr7	N/A	7	101.94
GPN3	469.94	chr12	12q24.11	28	221.14
COL3A1	469.72	chr2	2q31	116	295.33
Hs.707410	469.58	chr13	N/A	1	0.00
NDUFB6	467.49	chr9	9p21.1	34	66.82
PRDX3	466.98	chr10	10q25-q26	53	175.54
NNT	466.37	chr5	5p12	58	197.26
BGN	466.29	chrX	Xq28	40	191.61
MMADHC	465.59	chr2	2q23.2	31	89.12
H19	464.86	chr11	11p15.5	42	125.40
APOBEC2	464.83	chr6	6p21	28	68.76
SF3B5	464.12	chr6	6q24.2	28	61.27
Hs.708357	463.96	chr2	N/A	1	0.00
HIGD2A	462.89	chr5	5q35.2	31	110.45
SYNM	462.50	chr15	15q26.3	38	99.29
ARPC2	462.34	chr2	2q36.1	46	105.68
DECR1	462.20	chr8	8q21.3	73	132.84
MYO1C	462.20	chr17	17p13.3	58	174.79
TUBB	462.12	chr6	6p21.33	91	175.54
H3F3B	461.96	chr17	17q25.1	56	69.56
POLR2I	461.76	chr19	19q12	30	89.19
PSMB3	461.12	chr17	17q12	30	95.01
PTP4A3	460.96	chr8	8q24.3	44	96.11
C11orf96	460.71	chr11	11p11.2	24	140.24
Hs.731983	460.69	chr18	N/A	7	127.85
RNH1	460.56	chr11	11p15.5	54	103.16
TSP0	459.82	chr22	22q13.31	29	131.16
ADAMTS1	457.62	chr21	21q21.2	53	187.82
ATP1A1	457.53	chr1	1p21	37	105.87
Hs.619929	457.15	chr3	N/A	8	14.26
CNOT11	456.67	chr2	2q11.2	6	87.63
PMP22	456.16	chr17	17p12	61	96.75
LOC100506295	456.15	chr17	N/A	1	0.00
SKP1	455.64	chr5	5q31	90	123.14
TAGLN	454.76	chr11	11q23.2	57	141.76
CFL2	454.59	chr14	14q12	62	150.44
JTB	453.87	chr1	1q21	50	100.02
ATP1B1	452.58	chr1	1q24	72	130.81
LCE1C	452.06	chr1	1q21.3	13	85.61
Hs.702582	451.42	chr6	N/A	7	79.97
PPP2CA	451.30	chr5	5q31.1	51	110.87
ID1	451.23	chr20	20q11	55	103.47
ACOT2	449.35	chr14	14q24.3	40	78.98
LOC100130152	449.26	chr20	20q13.33	10	54.17
Hs.585046	448.20	chr2	N/A	8	15.09
Hs.715907	447.89	chr19	N/A	5	60.49
FAM96B	447.74	chr16	16q22.1	28	52.49
HSF1	447.00	chr8	8q24.3	30	74.00
LOC150381	446.36	chr22	22q13.31	1	0.00
SHFM1	445.58	chr7	7q21.3	33	77.71
NDUFS2	444.49	chr1	1q23	35	103.59
SERPING1	444.08	chr11	11q12.1	45	159.49
Hs.659854	443.48	chr19	N/A	7	165.77
SLC41A1	442.97	chr1	1q32.1	36	113.48
OR10H5	442.72	chr19	19p13.12	9	146.39
Hs.706927	442.39	chr6	N/A	12	49.99
ARL6IP5	440.89	chr3	3p14	47	99.92
HIBADH	440.68	chr7	7p15.2	28	128.75
CD74	439.83	chr5	5q32	41	148.53
HEBP2	439.71	chr6	6q24	30	54.68
SLN	439.65	chr11	11q22-q23	30	120.26
RRAGA	439.64	chr9	9p22.1	30	109.14
Hs.661068	439.17	chr20	N/A	7	54.93
Hs.733397	438.93	chr3	N/A	7	161.11
EEF1B2	437.99	chr2	2q33.3	51	96.21

HAX1	437.11	chr1	1q21.3	37	90.47
ASB2	437.10	chr14	14q31-q32	20	57.60
MIR100HG	436.20	chr11	11q24.1	18	333.93
HIST1H1C	435.47	chr6	6p21.3	30	87.36
FAM162A	434.86	chr3	3q21.1	35	83.02
ACAA2	434.27	chr18	18q21.1	37	118.96
Hs.661401	434.27	chr5	N/A	3	6.54
HADH	433.35	chr4	4q22-q26	57	137.55
ARPC3	431.93	chr12	12q24.11	35	87.06
PRDX2	431.63	chr19	19p13.2	76	112.52
SLC25A6	431.48	chrX	Xp22.32 and Yp11	46	75.48
COPS5	430.37	chr8	8q13.1	37	72.11
MFGE8	430.30	chr15	15q25	59	227.81
EIF3CL	429.33	chr16	16p11.2	10	78.46
Hs.731466	429.17	chr5	N/A	1	0.00
HERPUD1	429.05	chr16	16q13	40	85.17
MYL10	428.56	chr7	7q22.1	26	242.14
MLIP	428.23	chr6	6p12.1	25	73.87
COPS7A	427.54	chr12	12p13.31	37	151.99
LOC100133315	427.24	chr11	11q13.4	13	233.00
ACSL1	426.64	chr4	4q35	46	130.02
TUBB6	426.64	chr18	18p11.21	53	111.55
PET100	425.52	chr19	19p13.2	8	50.88
Hs.741649	425.11	chr12	N/A	7	56.69
Hs.721175	424.19	chr5	N/A	12	50.74
MRPL34	423.61	chr19	19p13.1	36	55.15
ADIRF	423.56	chr10	10q23.2	37	102.82
HDAC10	423.36	chr22	22q13.31	38	223.25
SORBS1	422.83	chr10	10q23.33	92	192.15
ATP6V1G1	422.64	chr9	9q32	38	66.44
TRMT112	422.61	chr11	11q13.1	31	39.05
C15orf41	421.75	chr15	15q14	28	92.99
DLD	421.17	chr7	7q31-q32	47	130.59
HLA-DRA	421.04	chr6	6p21.3	37	88.62
GPX4	420.85	chr19	19p13.3	48	125.53
FAM127B	419.74	chrX	Xq26.3	26	90.23
PPP1R1A	419.67	chr12	12q13.2	48	97.83
CDC42EP5	418.91	chr19	19q13.42	17	125.81
PTPRO	418.60	chr12	12p13-p12	56	335.94
SERPINB6	418.47	chr6	6p25	56	172.10
LAMP1	417.55	chr13	13q34	50	111.98
ZFP36	417.30	chr19	19q13.1	30	108.77
OGDH	417.28	chr7	7p14-p13	58	186.92
FAM195A	417.22	chr16	16p13.3	22	119.22
QARS	417.13	chr3	3p21.31	28	96.84
Hs.712954	417.04	chr7	N/A	7	67.24
Hs.662611	417.02	chr17	N/A	7	93.16
THOC7	416.74	chr3	3p14.1	32	122.07
DAD1	416.20	chr14	14q11.2	50	75.48
Hs.741028	415.33	chr15	N/A	1	0.00
Hs.659931	415.03	chr3	N/A	7	27.77
VCL	414.89	chr10	10q22.2	51	195.45
CHPT1	414.76	chr12	12q	54	90.58
FIS1	414.19	chr7	7q22.1	38	65.62
LCE3E	413.75	chr1	1q21.3	16	110.31
IER3	413.69	chr6	6p21.3	27	275.71
MYADM	413.40	chr19	19q13.42	79	157.91
Hs.713747	413.32	chr1	N/A	5	22.98
PDLIM3	413.07	chr4	4q35	63	115.41
AES	412.44	chr19	19p13.3	51	92.18
ASAH1	412.37	chr8	8p22	68	142.39
H2AFV	411.71	chr7	7p13	73	178.71
PECAM1	410.80	chr17	17q23.3	46	148.59
AGT	410.46	chr1	1q42.2	55	55.56
Hs.596385	410.32	chr2	N/A	8	210.25
FN1	409.72	chr2	2q34	169	241.05

Hs.667244	409.47	chr6	N/A	7	59.81
FARSB	409.44	chr2	2q36.1	51	310.02
TGFBI	409.20	chr5	5q31	30	145.89
PPP4C	408.88	chr16	16p11.2	27	160.87
RPL36	408.58	chr19	19p13.3	32	92.74
FITM1	407.30	chr14	14q12	26	140.30
EIF1AY	407.02	chrY	Yq11.223	62	135.14
C20orf203	406.61	chr20	20q11.21	25	183.30
PCP4L1	406.22	chr1	1q23.3	21	439.96
Hs.713720	406.20	chr8	N/A	7	82.92
ORC6	406.17	chr16	16q12	58	230.11
PPP1R3C	405.97	chr10	10q23-q24	23	124.33
KLF2	405.97	chr19	19p13.11	47	121.14
CCL24	405.52	chr7	7q11.23	20	136.78
NEAT1	404.80	chr11	11q13.1	86	228.47
YWHAB	404.28	chr20	20q13.1	77	94.59
RNASE1	404.24	chr14	14q11.2	60	213.73
Hs.633993	403.26	chr8	N/A	15	190.89
FAM213A	402.84	chr10	10q23.1	38	112.19
Hs.380705	402.36	chr1	N/A	26	481.02
ICAM2	402.17	chr17	17q23.3	27	64.80
DDB1	401.34	chr11	11q12-q13	49	100.35
Hs.597820	401.10	chr2	N/A	5	112.00
ALKBH5	400.74	chr17	17p11.2	49	215.92
C19orf53	400.52	chr19	19p13.2	28	85.90
SLC4A3	400.44	chr2	2q36	42	68.36
PTDSS1	399.99	chr8	8q22	55	94.74
PSME1	399.91	chr14	14q11.2	43	91.19
RBX1	399.88	chr22	22q13.2	35	73.76
NDUFA5	399.23	chr7	7q31.33	52	129.96
COL4A2	399.08	chr13	13q34	39	96.16
C19orf70	398.80	chr19	19p13.3	26	141.00
ANKRD9	398.44	chr14	14q32.31	28	131.18
SPCS1	398.30	chr3	3p21.1	28	97.85
NUCB1	397.78	chr19	19q13.33	57	310.16
DEXI	397.76	chr16	16p13.13	40	65.68
ATPAF1	397.60	chr1	1p33-p32.3	52	145.55
ERH	397.28	chr14	7q34	30	102.61
SCHIP1	396.63	chr3	3q25.32-q25.33	39	114.55
Hs.743228	395.64	chr7	N/A	1	0.00
Hs.644796	394.72	chr17	N/A	7	58.92
CPT1B	394.02	chr22	22q13.33	47	80.37
COL1A2	392.91	chr7	7q22.1	77	155.96
Hs.592414	392.60	chr3	N/A	14	118.76
ANXA11	392.58	chr10	10q23	60	155.18
WBP2	391.42	chr17	17q25	40	222.66
C22orf39	391.00	chr22	22q11.21	31	181.82
DYNLT1	390.53	chr6	6q25.2-q25.3	46	91.21
HSPE1	390.52	chr2	2q33.1	36	90.93
Hs.633940	390.50	chr19	N/A	7	134.95
CCT7	390.45	chr2	2p13.2	38	80.27
NEBL	390.11	chr10	10p12	94	201.83
HNRNPA1L2	389.27	chr13	13q14.3	109	96.06
RAB21	389.27	chr12	12q21.1	43	208.58
Hs.597574	388.90	chr2	N/A	1	0.00
RBM20	387.87	chr10	10q25.2	15	159.71
Hs.666195	387.82	chr2	N/A	5	220.20
ANKRD2	387.70	chr10	10q23	34	91.26
ALPK2	387.68	chr18	18q21.31	34	107.04
PRH1	387.60	chr12	12p13.2	24	167.49
NDRG2	387.48	chr14	14q11.2	58	132.04
CTDSP2	387.39	chr12	12q14.1	50	162.87
EXOC3L2	387.36	chr19	19q13.32	16	86.57
PSMB5	386.04	chr14	14q11.2	30	52.31
SMYD2	385.91	chr1	1q32.3	53	131.37
NOMO1	385.75	chr16	16p13.11	36	159.74

ITLN1	385.56	chr1	1q21.3	26	96.21
Hs.644076	384.94	chr2	N/A	7	124.07
ACSS2	384.63	chr20	20q11.22	48	186.02
Hs.660877	384.30	chr6	N/A	15	95.76
CHL1	384.01	chr3	3p26.1	56	487.18
LAMTOR1	383.88	chr11	11q13.4	19	146.91
NDUFC2	383.78	chr11	11q14.1	44	111.84
Hs.666069	382.94	chr15	N/A	14	359.67
TMBIM6	382.43	chr12	12q12-q13	42	110.20
Hs.201488	382.29	chr6	N/A	21	123.30
CYSTM1	382.15	chr5	5q31.3	28	70.11
ZNF579	382.00	chr19	19q13.42	24	105.49
MLLT11	381.93	chr1	1q21	30	148.33
HNRNPA1	381.23	chr12	12q13.1	97	123.25
CYP2J2	381.09	chr1	1p31.3-p31.2	39	116.60
Hs.594397	381.00	chr2	N/A	7	46.80
RNF44	380.40	chr5	5q35.2	27	160.60
PTMA	380.34	chr2	2q37.1	119	114.34
MRPL15	380.14	chr8	8q11.2-q13	28	51.06
Hs.708460	380.11	chr2	N/A	3	6.90
PRSS36	379.44	chr16	16p11.2	16	93.86
PTGS2	379.29	chr1	1q25.2-q25.3	78	515.76
Hs.654941	378.96	chr3	N/A	7	81.89
TMEM59	378.66	chr1	1p32.3	38	159.01
HNRNPA2B1	378.27	chr7	7p15	31	85.31
SQSTM1	377.59	chr5	5q35	71	159.18
TAX1BP3	377.39	chr17	17p13	28	96.43
CEBPB	377.14	chr20	20q13.1	68	101.91
YWHAQ	376.67	chr2	2p25.1	71	94.01
RRAD	376.46	chr16	16q22	44	63.58
Hs.659573	376.29	chr8	N/A	8	113.33
CANX	376.23	chr5	5q35	83	124.49
KRTCAP2	376.16	chr1	1q22	34	148.39
LUM	375.92	chr12	12q21.3-q22	68	165.35
HYPK	375.73	chr15	15q15.3	33	78.48
Hs.683165	375.60	chr7	N/A	10	52.90
DFFA	375.53	chr1	1p36.3-p36.2	47	241.69
GNG5	375.52	chr1	1p22	40	122.46
PEBP4	375.05	chr8	8p21.3	17	52.32
ZNF354C	374.70	chr5	5q35	30	228.47
Hs.745194	374.63	chr14	N/A	4	95.85
ITGB1	374.62	chr10	10p11.2	140	156.87
BRK1	373.58	chr3	3p25.3	39	95.66
PLIN2	373.55	chr9	9p22.1	45	203.54
GRN	373.31	chr17	17q21.32	49	79.93
Hs.731443	373.19	chr8	N/A	8	84.37
ATP6V0E1	372.98	chr5	5q35.1	63	110.43
TMEM147	372.98	chr19	19q13.1	30	74.59
MT3	372.45	chr16	16q13	42	148.41
Hs.603807	372.24	chr3	N/A	7	188.26
FXVD1	371.82	chr19	19q13.1	44	122.00
PCNP	371.74	chr3	3q12.3	27	101.69
Hs.715135	371.67	chr9	N/A	19	91.93
RTN4	371.62	chr2	2p16.3	49	104.99
ADI1	371.55	chr2	2p25.3	52	141.34
AP2S1	371.52	chr19	19q13.2-q13.3	43	153.22
MGST2	371.11	chr4	4q28.3	30	99.55
UBE2B	371.09	chr5	5q31.1	80	159.03
NEK7	370.92	chr1	1q31.3	52	271.28
EIF4H	370.90	chr7	7q11.23	53	101.74
TIAF1	370.77	chr17	17q11.2	11	117.03
RPL22	370.70	chr1	1p36.31	101	128.83
DDX17	370.42	chr22	22q13.1	102	227.84
MYLPF	370.05	chr16	16p11.2	30	144.54
ATP6V0E2	369.72	chr7	7q36.1	23	112.57
Hs.708158	369.36	chr17	N/A	3	8.01

Hs.567859	368.57	chr5	N/A	5	138.64
LSM1	367.97	chr8	8p11.2	29	107.17
ANXA1	367.86	chr9	9q21.13	41	199.88
NGRN	367.04	chr15	15q26.1	35	150.61
HLA-F	366.91	chr6	6p21.3	76	110.07
PARP1	366.29	chr1	1q41-q42	50	78.44
SAT1	366.00	chrX	Xp22.1	64	138.13
ZKSCAN1	365.92	chr7	7q22	79	219.04
PTGS1	365.83	chr9	9q32-q33.3	57	469.12
GYG1	365.66	chr3	3q24-q25.1	50	103.71
DGCR6	365.47	chr22	22q11	26	94.57
XBP1	365.43	chr22	22q12	58	108.91
TMEM14B	365.19	chr6	6p25.1-p23	24	55.56
CRLS1	364.89	chr20	20p13-p12.3	49	122.65
PLTP	364.82	chr20	20q13.12	38	171.45
SEC61G	364.57	chr7	7p11.2	33	84.23
ZNF713	364.27	chr7	7p11.2	17	96.80
TMOD1	363.83	chr9	9q22.3	30	135.97
OGFR	363.66	chr20	20q13.3	44	189.83
SRRM4	363.65	chr12	12q24.23	33	558.83
Hs.292419	363.43	chr3	N/A	7	255.28
HUWE1	363.28	chrX	Xp11.22	97	409.52
MAGED1	363.21	chrX	Xp11.23	42	90.28
Hs.574978	363.18	chr3	N/A	8	64.17
CWC15	363.15	chr11	11q21	33	97.57
Hs.662827	362.83	chr11	N/A	7	152.66
CMC2	362.70	chr16	16q23.2	28	99.15
GJA1	362.62	chr6	6q22.31	39	158.60
TIMP3	362.22	chr22	22q12.3	66	108.53
Hs.709854	362.20	chr1	N/A	7	57.13
RASD1	362.15	chr17	17p11.2	36	147.49
Hs.642540	361.54	chr7	N/A	3	7.98
MS4A8	361.21	chr11	11q12.2	47	540.29
Hs.635268	361.08	chr1	N/A	7	129.69
HLA-DPA1	360.93	chr6	6p21.3	45	130.68
SERPINF1	360.44	chr17	17p13.3	28	66.62
NAP1L1	359.15	chr12	12q21.2	122	209.96
SYBU	358.73	chr8	8q23.2	35	241.89
BTG1	358.11	chr12	12q22	53	133.92
Hs.595635	358.05	chr10	N/A	7	82.96
SRPX	357.90	chrX	Xp21.1	30	101.36
DUSP3	357.87	chr17	17q21	71	180.59
TESC	357.56	chr12	12q24.22	29	90.91
RHOB	357.17	chr2	2p24	50	185.10
KANK2	357.11	chr19	19p13.2	58	148.09
PKM	357.03	chr15	15q22	51	98.04
PSMB7	356.90	chr9	9q34.11-q34.12	53	128.91
ANXA2	356.73	chr15	15q22.2	91	110.43
CCL14	356.36	chr17	17q11.2	17	125.09
Hs.435610	355.48	chr10	N/A	17	61.90
Hs.713347	355.27	chr17	N/A	8	101.93
DUSP1	354.41	chr5	5q34	61	152.13
RPL26L1	354.29	chr5	5q35.1	54	109.66
CEBPD	354.28	chr8	8p11.2-p11.1	49	132.72
Hs.356368	353.74	chr1	N/A	22	364.77
STOML2	353.62	chr9	9p13.1	28	104.12
S100A13	353.07	chr1	1q21	42	85.43
Hs.486246	352.99	chr1	N/A	7	104.96
AK1	352.75	chr9	9q34.1	50	110.88
XRCC6	352.58	chr22	22q13.2	65	121.68
Hs.612374	352.41	chr4	N/A	1	0.00
DPM1	351.88	chr20	20q13.13	33	87.18
ATP6AP1	351.85	chrX	Xq28	40	121.42
Hs.501023	351.53	chr10	N/A	22	71.93
Hs.732137	350.55	chr3	N/A	5	49.70
MTIF3	350.34	chr13	13q12.2	27	95.84

POLR2F	349.80	chr22	22q13.1	33	83.01
SDHC	349.57	chr1	1q23.3	44	95.65
DSP	349.23	chr6	6p24	46	112.03
SH3GLB1	349.19	chr1	1p22	68	98.81
ARHGGEF10L	349.19	chr1	1p36.13	42	155.11
Hs.602832	349.17	chr1	N/A	3	1.23
Hs.668357	349.07	chr12	N/A	7	38.70
Hs.528369	349.02	chr3	N/A	8	13.93
NARS	348.78	chr18	18q21.31	35	99.65
Hs.722308	348.19	chr8	N/A	1	0.00
EIF3I	348.18	chr1	1p34.1	32	77.42
WSB2	347.41	chr12	12q24.23	40	242.88
ADSSL1	347.35	chr14	14q32.33	47	145.78
HLA-DRB1	346.83	chr6	6p21.3	217	147.04
TAX1BP1	346.43	chr7	7p15	73	178.67
Hs.99308	346.27	chr12	N/A	7	249.90
DAAM1	346.08	chr14	14q23.1	78	551.84
CRYGC	344.92	chr2	2q33.3	30	529.89
HSD17B4	344.34	chr5	5q21	31	91.05
PPDPF	344.25	chr20	20q13.33	35	91.73
IRX3	343.98	chr16	16q12.2	50	178.11
CCND2	343.84	chr12	12p13	65	211.76
FKBP1C	343.62	chr6	6q12	3	2.46
Hs.734893	343.53	chr5	N/A	10	10.66
RAC1	343.31	chr7	7p22	84	143.49
PIGT	343.12	chr20	20q12-q13.12	49	87.00
C1S	342.92	chr12	12p13	36	90.57
TENM2	342.91	chr5	5q34	25	158.20
FAHD2B	342.49	chr2	2q11.2	3	4.15
HMG3	341.90	chr6	6q14.1	56	119.14
HADHA	341.75	chr2	2p23	61	171.42
Hs.713973	341.36	chr5	N/A	10	81.77
SOD2	340.33	chr6	6q25.3	89	425.08
IDH3B	339.78	chr20	20p13	68	123.47
Hs.558936	339.77	chr1	N/A	7	169.90
PFKP	339.71	chr10	10p15.3-p15.2	37	78.52
HES7	339.71	chr17	17p13.1	17	166.01
Hs.705842	339.70	chr2	N/A	7	87.96
RAB2A	339.45	chr8	8q12.1	115	164.79
PGAM4	339.21	chrX	Xq13	12	100.68
IFI6	338.58	chr1	1p35	52	192.57
NME2	338.41	chr17	17q21.3	91	107.59
Hs.708510	338.25	chr4	N/A	4	148.88
PSMD4	338.17	chr1	1q21.3	54	79.94
Hs.701159	337.58	chr1	N/A	3	3.98
RNF7	337.14	chr3	3q22-q24	34	116.32
TMEM66	336.75	chr8	8p12	21	165.23
SNRPG	336.50	chr2	2p13.3	30	154.89
TRMT5	336.37	chr14	14q23.1	30	82.31
SSR4	336.33	chrX	Xq28	44	116.94
ARPC1A	336.22	chr7	7q22.1	37	111.76
MAEA	336.09	chr4	4p16.3	60	155.27
LCE5A	335.55	chr1	1q21.3	16	145.97
PPIF	335.12	chr10	10q22-q23	67	78.65
MAOA	335.04	chrX	Xp11.3	47	134.93
HP	334.93	chr16	16q22.2	33	102.91
KRTAP1-3	334.83	chr17	17q12-q21	31	176.91
KLHDC2	334.76	chr14	14q21.3	28	59.33
ITFG3	334.67	chr16	16p13.3	26	69.63
IDH3A	334.53	chr15	15q25.1-q25.2	62	155.14
NDUFS4	334.38	chr5	5q11.1	41	103.45
GPNMB	334.35	chr7	7p15	58	103.16
VPS35	334.28	chr16	16q12	61	137.62
VPS51	334.17	chr11	11q13	28	93.42
Hs.154626	333.88	chr7	N/A	5	218.22
MT1H	333.70	chr16	16q13	43	82.89

PLIN4	333.69	chr19	19p13.3	30	181.12
Hs.713923	333.06	chr8	N/A	3	2.28
Hs.605660	332.64	chr17	N/A	14	97.06
ENO1	332.54	chr1	1p36.2	73	179.06
CLIC1	332.27	chr6	6p21.3	30	65.76
Hs.714955	332.14	chr9	N/A	7	162.55
Hs.728901	331.62	chr2	N/A	7	103.12
MAP1B	331.57	chr5	5q13	62	196.41
MT1F	331.16	chr16	16q13	44	137.40
CHMP4B	330.92	chr20	20q11.22	37	74.56
ARHGDIB	330.83	chr12	12p12.3	31	128.51
NKX2-5	330.66	chr5	5q34	30	63.78
NID1	330.53	chr1	1q43	36	264.86
GALNT3	330.34	chr2	2q24-q31	52	225.03
FBRSL1	330.16	chr12	12q24.33	62	209.68
Hs.713765	329.82	chr2	N/A	7	106.70
TSG101	329.68	chr11	11p15	30	98.02
EIF3G	329.59	chr19	19p13.2	30	70.90
PTP4A2	329.49	chr1	1p35	101	145.80
USO1	329.42	chr4	4q21.1	35	132.33
Hs.713712	329.32	chr13	N/A	10	82.77
C1QBP	329.15	chr17	17p13.3	28	63.60
SSU72	328.89	chr1	1p36.33	41	135.52
IQSEC2	328.83	chrX	Xp11.22	33	168.75
Hs.597821	328.81	chr7	N/A	14	174.18
PSMA7	328.81	chr20	20q13.33	46	114.73
Hs.606445	328.28	chr21	N/A	11	79.16
REXO2	328.21	chr11	11q23.2	48	116.04
BOLA3	327.73	chr2	2p13.1	41	95.85
LMNA	327.54	chr1	1q22	62	110.89
Hs.733882	327.48	chr6	N/A	1	0.00
CUTA	327.17	chr6	6p21.32	39	94.19
SMYD1	326.86	chr2	2p11.2	27	125.00
RABAC1	326.77	chr19	19q13.2	28	73.25
MT1E	326.48	chr16	16q13	40	109.42
JMJD8	326.39	chr16	16p13.3	19	167.15
RILPL1	326.37	chr12	12q24.31	28	119.46
PDE4DIP	325.95	chr1	1q12	240	246.21
FBXO31	325.93	chr16	16q24.2	46	498.32
Hs.462035	325.89	chr17	N/A	7	59.70
NKG7	325.60	chr19	19q13.41	30	438.72
COA3	325.47	chr17	17q21	35	79.42
EIF3H	325.44	chr8	8q24.11	58	119.93
TMEM141	324.75	chr9	9q34.3	24	178.63
GTF3C6	323.97	chr6	6q21	24	83.61
HLA-DPB1	323.80	chr6	6p21.3	40	82.91
Hs.709827	323.54	chr9	N/A	2	16.62
ERAP1	322.84	chr5	5q15	77	264.03
DCXR	322.03	chr17	17q25.3	21	69.62
PPP1CC	321.89	chr12	12q24.1-q24.2	54	102.84
EMC7	321.66	chr15	15q14	22	82.09
C7	321.62	chr5	5p13	55	178.22
LAMC1	321.47	chr1	1q31	57	167.25
SEC11A	321.42	chr15	15q25.3	45	60.98
MAP1LC3B2	321.10	chr12	12q24.22	5	71.60
GAS6	321.09	chr13	13q34	62	135.22
CNBP	320.90	chr3	3q21	71	121.11
MRPL37	320.13	chr1	1p32.1	35	107.24
PLEKHH1	320.04	chr14	14q24.1	42	333.68
ZBTB4	319.90	chr17	17p13.1	39	84.51
PHYH	319.88	chr10	10p13	50	110.44
Hs.723432	319.48	chr1	N/A	7	40.92
Hs.713814	319.41	chr11	N/A	7	55.16
Hs.537532	319.40	chr9	N/A	7	121.85
RRAS	319.19	chr19	19q13.3-qter	42	82.70
WARS	319.00	chr14	14q32.31	38	140.14

MRPL53	318.80	chr2	2p13.1	36	90.89
Hs.547620	318.17	chr3	N/A	25	198.38
S1PR1	317.37	chr1	1p21	37	125.52
Hs.714891	317.22	chr4	N/A	7	67.73
GALNT16	317.03	chr14	14q24.1	26	134.24
TM9SF2	317.01	chr13	13q32.3	40	119.72
C15orf59	316.82	chr15	15q24.1	16	81.15
TST	316.57	chr22	22q13.1	40	119.22
MLF1	316.11	chr3	3q25.1	69	210.32
BANF1	315.76	chr11	11q13.1	34	88.83
Hs.731943	315.59	chr11	N/A	7	145.94
SEPT9	315.51	chr17	17q25	48	139.80
BTBD6	315.07	chr14	14q32	26	86.41
MRPL20	314.84	chr1	1p36.3-p36.2	40	63.14
Hs.714486	314.47	chr12	N/A	10	102.22
AKAP1	314.39	chr17	17q22	50	100.23
CXCL1	314.36	chr4	4q21	37	378.35
TMEM126A	313.21	chr11	11q14.1	33	105.52
Hs.718935	313.20	chr12	N/A	3	7.28
NAA20	313.06	chr20	20p11.23	30	113.07
PKN2	312.99	chr1	1p22.2	87	248.77
Hs.663947	312.97	chr12	N/A	14	138.06
BCAP31	312.91	chrX	Xq28	45	73.09
Hs.702881	312.91	chr4	N/A	17	383.99
KLHL31	312.56	chr6	6p12.1	20	199.84
KIAA1737	312.14	chr14	14q24.3	22	71.54
TBCB	311.97	chr19	19q13.11-q13.12	40	58.52
Hs.671303	311.96	chr15	N/A	1	0.00
Hs.713835	311.90	chr3	N/A	7	32.99
STRAP	311.86	chr12	12p12.3	40	80.80
KARS	311.81	chr16	16q23.1	35	102.36
Hs.744263	311.64	chr13	N/A	7	46.75
HIST1H4C	311.38	chr6	6p22.1	28	124.30
ZNF134	311.02	chr19	19q13.4	54	292.74
ZNF727	310.98	chr7	7q11.21	8	21.37
Hs.708149	310.89	chr1	N/A	1	0.00
GGT5	310.75	chr22	22q11.23	40	275.52
Hs.586747	310.58	chr11	N/A	2	135.26
DNAJA3	310.19	chr16	16p13.3	31	99.75
DUSP26	310.02	chr8	8p12	28	89.31
COPS6	309.66	chr7	7q22.1	35	59.37
TERF2IP	309.60	chr16	16q23.1	30	72.57
BSG	309.54	chr19	19p13.3	67	158.91
TUBA8	309.25	chr22	22q11.1	21	93.72
HCN4	309.17	chr15	15q24.1	32	154.16
Hs.65745	309.09	chr10	N/A	10	297.11
SAT2	308.79	chr17	17p13.1	17	57.18
LSM3	308.73	chr3	3p25.1	60	93.12
PNRC1	308.69	chr6	6q15	29	79.88
TRDN	308.62	chr6	6q22.31	56	236.97
DARS	308.61	chr2	2q21.3	45	121.99
FAM96A	308.03	chr15	15q22.31	29	69.45
Hs.702684	307.97	chr20	N/A	5	59.76
ZAK	307.95	chr2	2q24.2	82	177.24
PRADC1	307.84	chr2	2p13.2	23	206.27
PPP1CB	307.73	chr2	2p23	89	253.31
ADCY6	307.45	chr12	12q12-q13	33	152.19
Hs.611871	307.21	chr17	N/A	7	87.79
Hs.713020	307.18	chr5	N/A	10	33.57
CYB5R1	307.14	chr1	1q32.1	41	102.59
GLI4	306.92	chr8	8q24.3	31	157.84
TSC22D1	306.84	chr13	13q14	76	166.87
HLA-F-AS1	306.59	chr6	6p22.1	26	98.14
GLRX	306.39	chr5	5q14	35	126.12
Hs.677851	305.87	chr5	N/A	1	0.00
Hs.718522	305.80	chr6	N/A	14	89.52

Hs.731470	305.53	chr13	N/A	15	320.45
NISCH	305.47	chr3	3p21.1	65	188.79
PDIA3	305.41	chr15	15q15	62	166.28
MAP1LC3B	305.30	chr16	16q24.2	59	87.72
Hs.553493	304.45	chr3	N/A	8	237.16
SUMO2	304.30	chr17	17q25.1	96	100.31
ECHDC3	304.27	chr10	10p14	34	92.18
KIF5B	304.23	chr10	10p11.22	43	192.90
DYNC1I2	303.87	chr2	2q31.1	70	331.90
HAGH	303.86	chr16	16p13.3	33	101.68
TFG	303.80	chr3	3q12.2	61	128.17
FOXN2	303.71	chr2	2p22-p16	38	251.04
Hs.714911	303.60	chr2	N/A	7	185.79
REEP5	303.33	chr5	5q22-q23	59	98.45
Hs.594058	303.24	chr22	N/A	7	44.81
LOC100996255	303.17	chr15	N/A	1	0.00
RNF103	302.94	chr2	2p11.2	36	93.31
Hs.406492	302.92	chr7	N/A	12	120.65
OPTN	302.71	chr10	10p13	46	93.77
KRT10	302.62	chr17	17q21	37	67.59
C1orf170	302.59	chr1	1p36.33	29	84.14
HDGF	302.46	chr1	1q21-q23	25	69.97
ETFDH	302.33	chr4	4q32-q35	28	75.81
Hs.712786	302.25	chr13	N/A	7	107.81
GPC1	302.17	chr2	2q35-q37	33	76.58
CIB1	302.10	chr15	15q25.3-q26	40	105.33
CDC37	301.91	chr19	19p13.2	35	185.76
MORF4L2	301.74	chrX	Xq22	63	137.52
PCBD1	301.67	chr10	10q22	36	52.18
YWHAH	301.63	chr22	22q12.3	50	146.43
AHCY	301.35	chr20	20q11.22	45	121.27
PSMA5	300.95	chr1	1p13	38	107.86
MAT2A	300.90	chr2	2p11.2	45	109.66
KCNJ8	300.90	chr12	12p11.23	30	97.77
Hs.740803	300.64	chr2	N/A	14	116.14
Hs.191911	300.62	chr1	N/A	6	164.27
PABPC1	300.24	chr8	8q22.2-q23	60	58.15
PINK1	300.12	chr1	1p36	51	86.34
KLHL41	300.11	chr2	2q31.1	32	60.62
VPS28	300.11	chr8	8q24.3	34	70.48
Hs.597742	299.95	chr12	N/A	3	1.33
Hs.709863	299.70	chr12	N/A	7	43.23
Hs.669093	299.35	chr5	N/A	5	88.29
Hs.588381	299.32	chr8	N/A	7	70.82
Hs.706474	299.18	chr6	N/A	7	131.96
ATP6V0D1	299.03	chr16	16q22.1	30	77.78
ISOC1	298.87	chr5	5q22.1-q33.3	28	62.14
Hs.744233	298.54	chr4	N/A	7	60.74
CSNK2B	298.53	chr6	6p21.3	44	98.83
ACOT13	298.44	chr6	6p22.3	50	140.77
LIX1L	298.35	chr1	1q21.1	35	399.72
CCT8	298.25	chr21	21q22.11	66	268.29
GALE	298.11	chr1	1p36-p35	38	263.86
SGCA	297.95	chr17	17q21	30	77.91
ITGAV	297.87	chr2	2q31-q32	62	100.10
CAPN2	297.61	chr1	1q41-q42	35	73.99
FAM65A	297.12	chr16	16q22.1	43	115.55
ARL6IP4	296.52	chr12	12q24.31	56	85.92
MRPL21	296.04	chr11	11q13.3	30	83.83
ALDH9A1	296.02	chr1	1q23.1	30	137.34
TUBB3	295.99	chr16	16q24.3	44	149.28
GUK1	295.76	chr1	1q32-q41	39	80.75
UBAC1	295.67	chr9	9q34.3	28	99.25
Hs.707535	295.63	chr1	N/A	7	70.84
POLDIP2	295.39	chr17	17q11.2	32	54.21
Hs.659093	295.32	chr2	N/A	15	198.88

COPRS	295.07	chr17	17q11.2	36	108.65
HSPA9	295.05	chr5	5q31.1	41	95.96
RGCC	295.05	chr13	13q14.11	52	139.44
ATP6V0B	295.01	chr1	1p32.3	33	90.31
IMMT	294.60	chr2	2	46	89.83
Hs.653020	294.49	chr3	N/A	2	14.06
RWDD1	294.35	chr6	6q13-q22.33	32	98.43
Hs.600003	293.82	chr9	N/A	7	126.38
Hs.660985	293.53	chr6	N/A	5	74.66
THBS4	293.19	chr5	5q13	30	75.77
Hs.700055	293.09	chr12	N/A	3	5.85
Hs.525704	292.95	chr1	N/A	14	60.55
Hs.598668	292.90	chr3	N/A	1	0.00
TCEAL4	292.84	chrX	Xq22.2	36	78.81
SRSF3	292.82	chr6	6p21	75	158.22
FUNDC2	292.71	chrX	Xq28	44	158.61
MTIB	292.04	chr16	16q13	25	98.85
ADM	291.97	chr11	11p15.4	46	82.01
SNRNP25	291.78	chr16	16p13.3	28	72.06
TPRG1L	291.63	chr1	1p36.32	26	108.14
HIST2H2AA4	291.63	chr1	1q21.2	4	94.88
TRPT1	291.57	chr11	11q13.1	29	119.41
WDR83OS	291.38	chr19	19p13.2	48	92.79
KLK3	291.10	chr19	19q13.41	131	343.76
NDUFV3	290.36	chr21	21q22.3	48	92.99
FBL	290.24	chr19	19q13.1	42	72.89
ACOT1	290.09	chr14	14q24.3	18	81.85
SNORA70F	290.04	chr2	N/A	14	59.81
EZR	289.78	chr6	6q25.3	85	156.25
JUN	289.77	chr1	1p32-p31	65	79.06
Hs.591241	289.71	chr2	N/A	17	216.04
PARP10	289.47	chr8	8q24.3	64	220.89
GYS1	289.04	chr19	19q13.3	30	83.44
MANF	288.88	chr3	3p21.1	30	87.91
SPSB4	288.79	chr3	3q23	19	122.84
PPAP2B	288.71	chr1	1p32.2	74	122.29
TAF7	288.50	chr5	5q31	47	85.82
MTFR1L	287.78	chr1	1p36.11	21	114.84
PTTG1IP	287.74	chr21	21q22.3	65	126.13
CCT3	287.64	chr1	1q23	31	79.52
C15orf52	287.60	chr15	15q15.1	27	79.56
Hs.656627	286.92	chr16	N/A	7	206.06
ANXA7	286.63	chr10	10q22.2	54	128.98
SF3A2	286.03	chr19	19p13.3	39	166.07
S100A4	285.96	chr1	1q21	28	66.47
WSB1	285.88	chr17	17q11.1	128	181.09
Hs.606326	285.81	chr3	N/A	1	0.00
JUP	285.77	chr17	17q21	36	85.93
SRP9	285.75	chr1	1q42.12	73	147.45
Hs.644693	285.64	chr6	N/A	7	41.91
SPTBN1	285.04	chr2	2p21	132	204.49
DRAP1	284.96	chr11	11q13.3	47	96.04
IGFBP4	284.84	chr17	17q12-q21.1	30	141.17
CLGN	284.74	chr4	4q28.3-q31.1	33	108.29
Hs.643960	284.73	chr10	N/A	8	150.60
TMED2	284.65	chr12	12q24.31	57	181.94
EIF3A	284.60	chr10	10q26	40	96.42
Hs.708881	284.37	chr17	N/A	3	5.43
TM4SF1	284.26	chr3	3q21-q25	68	163.87
CNIH	284.25	chr14	14q22.2	50	85.31
APP	284.16	chr21	21q21.3	86	159.42
HBG1	284.07	chr11	11p15.5	43	214.40
SH3KBP1	284.01	chrX	Xp22.1-p21.3	42	130.08
MRPS9	284.01	chr2	2q12.1	31	89.48
C17orf89	283.94	chr17	17q25.3	20	56.11
EMC4	283.86	chr15	15q14	31	46.61

WAS	283.76	chrX	Xp11.4-p11.21	37	157.70
C17orf96	283.54	chr17	17q12	3	85.72
Hs.610163	283.54	chr1	N/A	3	8.59
PSMA3	283.42	chr14	14q23	47	111.06
ARF1	283.03	chr1	1q42	91	140.41
SMIM4	282.81	chr3	3p21.1	11	20.99
Hs.708431	282.28	chr7	N/A	14	72.81
ACTG2	282.27	chr2	2p13.1	41	148.05
SLC25A11	282.27	chr17	17p13.3	32	99.18
UGP2	281.88	chr2	2p14-p13	90	148.16
BTBD1	281.77	chr15	15q24	24	92.41
CAV2	281.53	chr7	7q31.1	72	152.67
MRPL24	281.45	chr1	1q23.1	31	81.44
SUMO3	281.42	chr21	21q22.3	43	147.09
MAPT-AS1	281.35	chr17	17q21.31	36	172.66
PDE3B	281.30	chr11	11p15.1	57	309.75
Hs.731732	281.12	chr19	N/A	7	79.66
CPNE5	281.10	chr6	6p21.1	27	125.35
FABP5	280.82	chr8	8q21.13	76	86.65
RHOC	280.63	chr1	1p13.1	46	94.12
Hs.705873	280.30	chr7	N/A	32	137.78
GNG11	280.20	chr7	7q21	29	68.89
SGCG	279.83	chr13	13q12	30	81.75
TGFBR2	279.79	chr3	3p22	63	141.78
RNASEK	279.77	chr17	17p13.1	14	77.94
PCBP1-AS1	279.70	chr2	2p14	39	572.44
PPIAL4A	279.63	chr1	1q21.2	42	61.40
Hs.743615	279.55	chr12	N/A	7	92.12
GUCD1	278.83	chr22	22q11.2	48	129.92
EIF3L	278.80	chr22	22q	69	145.19
BHLHE40	278.72	chr3	3p26	35	156.92
MRP63	278.62	chr13	13q12.11	61	118.16
Hs.653479	278.60	chr6	N/A	7	226.03
Hs.731614	278.56	chr1	N/A	7	92.77
ILVBL	278.47	chr19	19p13.1	41	93.99
MAMDC2	278.47	chr9	9q21.12	56	185.15
USP9X	278.31	chrX	Xp11.4	67	248.03
ILF2	278.20	chr1	1q21.3	35	95.63
C4A	277.94	chr6	6p21.3	30	142.31
C1orf43	277.91	chr1	1q21.2	48	144.34
IMP3	277.81	chr15	15q24	28	97.70
HMGB1	277.69	chr13	13q12	107	204.32
GADD45A	277.42	chr1	1p31.2	33	82.02
Hs.594448	277.29	chr19	N/A	1	0.00
Hs.503704	277.26	chr11	N/A	3	2.90
PSMA2	276.90	chr7	7p13	49	101.39
CIRBP	276.75	chr19	19p13.3	66	124.78
C14orf159	276.69	chr14	14q32.11	39	115.84
GSTM3	276.56	chr1	1p13.3	62	119.93
ARL2	276.42	chr11	11q13	35	133.59
KANK1	276.37	chr9	9p24.3	51	119.75
Hs.662791	276.36	chr1	N/A	15	155.32
GNPAT	276.05	chr1	1q42	29	102.71
Hs.711686	276.02	chr17	N/A	3	7.15
MRPL18	275.92	chr6	6q25.3	31	66.12
ETV2	275.77	chr19	19q13.12	18	193.36
IFNGR1	275.69	chr6	6q23.3	51	144.05
Hs.712879	275.63	chr5	N/A	5	124.30
MRPL22	275.61	chr5	5q33.2	31	70.51
CAND2	275.61	chr3	3p25.2	29	97.27
MRPS27	275.51	chr5	5q13.2	33	108.90
Hs.713103	275.41	chr1	N/A	7	73.05
PPIB	275.39	chr15	15q21-q22	35	113.63
PRCP	275.27	chr11	11q14	37	97.98
CUL4A	275.16	chr13	13q34	73	143.87
CASKIN1	274.96	chr16	16p13.3	26	138.26

CTNNA1	274.92	chr5	5q31.2	112	155.34
NCKAP1	274.66	chr2	2q32	47	112.13
UBE2M	274.47	chr19	19q13.43	34	147.26
LSMD1	274.30	chr17	17p13.1	37	119.16
TMEM256	274.20	chr17	17p13.1	17	89.44
Hs.713572	274.07	chr5	N/A	10	82.70
TIMM21	273.98	chr18	18q22.3	40	116.11
C1QB	273.91	chr1	1p36.12	39	141.93
Hs.733401	273.70	chr11	N/A	7	45.56
COPB2	273.70	chr3	3q23	44	109.20
MRPS18B	273.40	chr6	6p21.3	45	71.23
LOC100131310	273.32	chrX	Xp11.4	4	99.51
S100A16	273.28	chr1	1q21	19	136.38
NME4	273.21	chr16	16p13.3	30	100.58
PLAC9	272.94	chr10	10q22.3	5	81.93
GGA1	272.44	chr22	22q13.31	60	236.68
Hs.657898	272.42	chr6	N/A	7	63.74
ARL13B	272.41	chr3	3q11.1	44	610.92
ODC1	272.30	chr2	2p25	32	84.88
Hs.595170	272.24	chr11	N/A	7	55.65
PSMC3	272.22	chr11	11p11.2	41	96.15
Hs.667709	271.78	chr8	N/A	2	33.42
FBXW5	271.76	chr9	9q34.3	28	115.03
ARCN1	271.67	chr11	11q23.3	40	187.84
TALDO1	271.56	chr11	11p15.5-p15.4	61	90.11
Hs.708260	271.20	chr17	N/A	18	275.40
ZNF486	270.92	chr19	19p12	18	158.64
Hs.701059	270.83	chr7	N/A	7	72.16
Hs.197922	270.79	chr1	N/A	14	154.15
ERCC1	270.73	chr19	19q13.32	53	96.05
RAF1	270.71	chr3	3p25	81	128.40
PNN	270.61	chr14	14q21.1	65	199.41
PDHX	270.59	chr11	11p13	37	96.00
Hs.571119	270.48	chr6	N/A	3	5.14
Hs.594098	270.22	chr16	N/A	7	58.59
ERGIC3	270.06	chr20	20pter-q12	60	145.31
SUB1	269.89	chr5	5p13.3	81	113.57
DCTN6	269.48	chr8	8p12-p11	43	211.72
PCBP2	269.46	chr12	12q13.12-q13.13	100	156.43
Hs.664693	269.16	chr22	N/A	7	158.93
TARDBP	269.06	chr1	1p36.22	71	166.65
TXNRD1	268.89	chr12	12q23-q24.1	34	140.08
UBE2N	268.88	chr12	12q22	66	133.98
DIRC1	268.82	chr2	2q33	19	120.01
PPA1	268.81	chr10	10q11.1-q24	35	86.97
Hs.379858	268.72	chr1	N/A	7	91.20
CAND1	268.71	chr12	12q14	86	263.42
Hs.600138	268.59	chr1	N/A	7	81.18
Hs.644972	268.52	chr5	N/A	11	134.21
ARF4	268.44	chr3	3p21.2-p21.1	54	114.71
DTX2	268.36	chr7	7q11.23	32	263.18
PPP1R14C	268.28	chr6	6q24.3-q25.3	35	82.07
TMEM183B	268.05	chr3	3q25.1	5	61.05
IL27	267.88	chr16	16p11	21	113.86
Hs.472056	267.78	chr6	N/A	10	74.17
SAP18	267.75	chr13	13q12.11	85	90.23
ATP2B1	267.49	chr12	12q21.3	55	296.76
Hs.600905	267.48	chr6	N/A	14	159.30
ADCK3	267.42	chr1	1q42.13	50	121.90
AIMP2	267.29	chr7	7p22	35	62.42
MKNK2	267.23	chr19	19p13.3	69	119.22
LAMA2	267.20	chr6	6q22-q23	53	193.41
Hs.477134	267.05	chr3	N/A	8	66.06
DDX24	266.82	chr14	14q32	60	130.12
SLC5A10	266.78	chr17	17p11.2	64	384.84
DAP3	266.38	chr1	1q22	27	86.40

TXNDC17	266.26	chr17	17p13.1	27	93.16
FAM177A1	266.15	chr14	14q13.2	71	166.65
CYB5A	266.12	chr18	18q23	52	75.25
Hs.120006	265.96	chr7	N/A	7	53.77
Hs.664322	265.94	chr4	N/A	8	134.74
PDE4C	265.80	chr19	19p13.11	82	194.95
FDFT1	265.78	chr8	8p23.1-p22	53	87.85
Hs.388653	265.63	chr2	N/A	17	85.98
SUPT20H	265.58	chr13	13q13.3	67	330.55
Hs.600121	265.56	chr15	N/A	14	362.57
Hs.659000	265.24	chr1	N/A	18	49.98
SNHG5	265.01	chr6	6q14.3	20	50.23
MTPN	264.67	chr7	7q33	64	162.01
ITM2A	264.53	chrX	Xq13.3-Xq21.2	45	145.88
FH	264.38	chr1	1q42.1	57	135.89
EPN1	264.27	chr19	19q13.42	29	195.45
Hs.714928	264.21	chr7	N/A	7	60.08
COMMMD3	264.15	chr10	10p12.2	35	97.57
IER2	264.14	chr19	19p13.2	40	66.29
UBXN1	264.13	chr11	11q12.3	37	94.49
Hs.706455	263.90	chr4	N/A	5	53.36
Hs.625698	263.66	chrX	N/A	1	0.00
Hs.537037	263.61	chrX	N/A	7	134.71
FKBP3	263.59	chr14	14q21.2	26	81.92
DDT	263.45	chr22	22q11.23	48	87.00
SLC38A2	263.43	chr12	12q	67	128.88
MRPS25	263.32	chr3	3p25	37	88.79
BAG1	263.32	chr9	9p12	38	80.60
TPBG	263.29	chr6	6q14-q15	27	196.26
PUF60	263.25	chr8	8q24.3	49	90.36
MAOB	263.14	chrX	Xp11.23	42	71.90
ILK	262.95	chr11	11p15.4	53	124.98
Hs.657607	262.94	chr4	N/A	31	160.15
Hs.682289	262.88	chr4	N/A	7	93.17
PSMD7	262.79	chr16	16q22.3	27	88.80
BBC3	262.76	chr19	19q13.3-q13.4	57	294.12
DENND5A	262.67	chr11	11p15.4	30	146.76
CIC	262.46	chr19	19q13.2	31	164.06
PAIP2	262.36	chr5	5q31.2	32	90.76
Hs.737319	262.36	chr1	N/A	7	64.69
Hs.657017	262.31	chr7	N/A	14	76.42
LAP3	262.31	chr4	4p15.32	28	117.38
AHNAK	262.05	chr11	11q12.2	104	223.50
VTI1B	262.02	chr14	14q24.1	40	79.80
ATP6V1D	261.85	chr14	14q23-q24.2	34	119.26
RABGGTB	261.80	chr1	1p31	59	139.96
FAM46A	261.79	chr6	6q14	61	134.81
NHP2L1	261.67	chr22	22q13	69	97.45
S100A8	261.57	chr1	1q21	35	129.84
Hs.325015	261.39	chr4	N/A	20	289.35
MRPS22	261.15	chr3	3q23	24	76.65
AP2M1	261.14	chr3	3q28	26	55.92
Hs.522029	261.12	chr9	N/A	8	116.49
Hs.13291	261.07	chr4	N/A	7	159.10
TBCA	261.03	chr5	5q14.1	55	151.73
CCR6	261.00	chr6	6q27	35	317.78
ATAD1	260.31	chr10	10q23.31	41	146.07
COPS3	260.29	chr17	17p11.2	30	72.05
CBX7	260.28	chr22	22q13.1	50	61.59
RNF115	260.24	chr1	1q21.1	47	153.48
LRPAP1	260.07	chr4	4p16.3	76	147.79
GLUL	259.85	chr1	1q31	62	178.57
FGF3	259.74	chr11	11q13	23	140.24
C3	259.56	chr19	19p13.3-p13.2	24	56.71
RTN2	259.38	chr19	19q13.32	41	496.60
AKR7A2	259.38	chr1	1p36.13	35	82.91

Hs.658976	259.37	chr7	N/A	17	173.99
NCCRP1	259.27	chr19	19q13.2	8	176.70
LRRC39	259.20	chr1	1p21.2	48	142.61
RHOQ	259.16	chr2	2p21	83	209.44
Hs.731897	259.07	chr13	N/A	18	108.89
IFNGR2	258.93	chr21	21q22.11	44	98.06
GDI1	258.88	chrX	Xq28	30	100.50
WFS1	258.82	chr4	4p16.1	31	119.32
FAM107A	258.81	chr3	3p21.1	62	107.48
ZNF622	258.76	chr5	5p15.1	19	67.78
MRPL48	258.65	chr11	11q13.4	37	134.61
HK1	258.39	chr10	10q22	54	238.65
RPL10L	258.38	chr14	14q21.2	24	92.73
Hs.702102	257.99	chr17	N/A	1	0.00
FLOT1	257.82	chr6	6p21.3	69	104.89
CAMTA1	257.78	chr1	1p36.31-p36.23	96	231.84
KLHDC8B	257.64	chr3	3p21.31	36	153.23
SPAG7	257.33	chr17	17p13.2	30	79.27
Hs.673146	257.32	chr8	N/A	7	112.54
PRDX4	257.31	chrX	Xp22.11	30	57.02
PPP1R13L	256.93	chr19	19q13.32	21	53.11
Hs.513883	256.92	chr17	N/A	7	77.84
TMEM203	256.92	chr9	9q34.3	29	90.07
FTHL17	256.89	chrX	Xp21	19	109.48
RAD23A	256.88	chr19	19p13.2	35	98.81
IL6	256.54	chr7	7p21	48	561.57
Hs.712810	256.33	chr11	N/A	8	75.53
RBM24	256.14	chr6	6p22.3	31	99.27
TIMP2	256.10	chr17	17q25	71	160.89
FAM216B	255.97	chr13	13q14.11	30	211.83
PPP2CB	255.97	chr8	8p12	51	104.96
C4orf3	255.89	chr4	4q26	40	90.86
RNF10	255.72	chr12	12q24.31	45	82.20
RPS4Y2	255.66	chrY	Yq11.223	16	63.16
Hs.732430	255.61	chr5	N/A	8	95.39
RPS17	255.57	chr15	15q	5	79.51
RAB7A	255.55	chr3	3q21.3	67	203.57
MXI1	255.47	chr10	10q24-q25	61	127.92
UBE2R2	255.46	chr9	9p13.3	52	107.70
NUAK1	255.29	chr12	12q23.3	47	93.68
LINC00657	255.23	chr20	20q11.23	10	264.30
ST13	255.18	chr22	22q13.2	127	134.62
PKIA	255.10	chr8	8q21.12	46	108.05
MRPS15	255.04	chr1	1p34.3	31	104.90
MRPS7	254.93	chr17	17q25	28	68.86
TGFBR3	254.91	chr1	1p33-p32	46	104.72
TPR	254.88	chr1	1q25	96	137.43
PJA2	254.83	chr5	5q21.3	30	96.99
APOO	254.74	chrX	Xp22.11	24	66.22
HSPA5	254.61	chr9	9q33.3	36	119.92
TM7SF2	254.46	chr11	11q13	40	82.40
GLG1	254.42	chr16	16q22.3	75	384.99
COX7A2L	254.41	chr2	2p21	47	134.33
CDK2AP1	254.38	chr12	12q24.31	34	119.08
STUB1	254.34	chr16	16p13.3	54	91.98
APOA1BP	253.90	chr1	1q21	24	79.50
PRICKLE4	253.84	chr6	6p21.31	25	112.05
Hs.657419	253.83	chr13	N/A	8	91.28
DMPK	253.67	chr19	19q13.3	47	134.18
WBP5	253.54	chrX	Xq22.2	31	133.73
PSMD6	253.53	chr3	3p14.1	35	78.36
SLC12A7	253.51	chr5	5p15	62	145.75
ZNF92	253.51	chr7	7q11.21	58	280.51
SAMM50	253.48	chr22	22q13.31	33	105.00
Hs.732614	253.37	chr12	N/A	3	140.41
STOM	253.28	chr9	9q34.1	86	133.39

Hs.598956	253.26	chr15	N/A	7	255.59
RPN1	252.89	chr3	3q21.3	64	125.47
Hs.133016	252.88	chr22	N/A	14	343.83
CAP2	252.86	chr6	6p22.3	49	101.50
SCP2	252.63	chr1	1p32	63	123.04
PYGB	252.36	chr20	20p11.21	39	91.18
USP13	252.20	chr3	3q26.2-q26.3	53	103.75
FBXO40	252.01	chr3	3q13.33	32	125.27
TBRG4	251.90	chr7	7p13	49	182.30
BCKDHA	251.65	chr19	19q13.1-q13.2	37	101.42
BLOC1S1	251.23	chr12	12q13-q14	30	117.73
ANP32A-IT1	251.15	chr15	15q23	38	179.36
NREP	250.80	chr5	5q22.1	55	307.98
SUN2	250.74	chr22	22q13.1	30	187.56
PABPC4	250.44	chr1	1p34.2	44	177.19
MYPN	250.30	chr10	10q21.3	45	101.39
PLSCR3	250.22	chr17	17p13.1	33	106.20
Hs.720374	250.20	chr7	N/A	8	272.40
Hs.708303	249.95	chr5	N/A	17	159.99
PGAM1	249.86	chr10	10q25.3	38	108.41
AMZ2	249.69	chr17	17q24.2	24	64.99
FBLN1	249.68	chr22	22q13.31	91	174.43
Hs.664014	249.57	chrX	N/A	7	44.97
GBE1	249.33	chr3	3p12.3	33	83.34
GSTK1	249.24	chr7	7q34	51	159.61
Hs.714413	249.24	chr1	N/A	1	0.00
Hs.6790	249.21	chr7	N/A	17	73.50
CXXC4	249.20	chr4	4q22-q24	46	497.89
SLC25A39	249.15	chr17	17q12	23	135.47
GRSF1	249.04	chr4	4q13	45	119.01
C17orf76-AS1	249.02	chr17	17p11.2	50	176.28
Hs.733374	248.94	chr9	N/A	1	0.00
HEBP1	248.92	chr12	12p13.1	28	62.82
Hs.592880	248.92	chr3	N/A	8	92.22
DYNLRB1	248.83	chr20	20q11.21	63	139.58
NPM1	248.45	chr5	5q35.1	102	114.27
PSMD2	248.39	chr3	3q27.1	20	60.48
GATA6	248.27	chr18	18q11.1-q11.2	39	85.34
ALKBH7	248.21	chr19	19p13.3	39	204.02
CYBRD1	248.20	chr2	2q31.1	56	167.41
C1orf122	248.18	chr1	1p34.3	29	40.57
SLC44A2	248.11	chr19	19p13.1	44	196.22
SPTAN1	248.01	chr9	9q34.11	44	110.97
POM121C	247.82	chr7	7q11.2	5	21.68
CCDC92	247.82	chr12	12q24.31	28	113.51
MYPOP	247.68	chr19	19q13.32	34	143.91
Hs.633361	247.64	chr6	N/A	1	0.00
Hs.702967	247.58	chr1	N/A	7	115.44
Hs.113912	247.42	chr4	N/A	7	62.94
MT1L	247.23	chr16	16q13	28	109.17
CREG1	247.20	chr1	1q24	27	121.89
DCTN3	247.10	chr9	9p13	51	91.00
CCT4	247.10	chr2	2p15	58	110.04
SNRPC	247.05	chr6	6p21.31	46	95.19
Hs.172028	246.94	chr15	N/A	17	93.88
VWA2	246.85	chr10	10q25.3	11	148.81
VMP1	246.63	chr17	17q23.1	37	123.61
ZFYVE21	246.56	chr14	14q32.33	22	93.99
CD99L2	246.34	chrX	Xq28	53	153.25
MRPL14	246.21	chr6	6p21.3	26	66.88
VCAN	246.17	chr5	5q14.3	82	234.69
Hs.643743	246.14	chr13	N/A	5	31.84
Hs.133916	246.12	chr4	N/A	1	0.00
PPP2R4	245.92	chr9	9q34	51	113.42
UBE2D3	245.89	chr4	4q24	83	116.26
TMEM159	245.88	chr16	16p12	43	66.25

C1QC	245.76	chr1	1p36.11	33	277.09
ANP32B	245.72	chr9	9q22.32	42	186.26
IGFBP5	245.69	chr2	2q33-q36	98	189.54
Hs.604302	245.56	chr6	N/A	7	82.16
UFC1	245.55	chr1	1q23.3	28	75.79
DNAJA4	245.32	chr15	15q25.1	51	159.54
NPIP	244.85	chr16	16p13.11	64	144.57
CECR5	244.84	chr22	N/A	31	87.19
WDR6	244.84	chr3	3p21.31	32	75.76
EMC3	244.79	chr3	3p25.3	40	97.91
Hs.633768	244.57	chr3	N/A	7	156.23
ASRGL1	244.49	chr11	11q12.3	80	313.67
C1R	244.42	chr12	12p13	46	161.08
PTMS	244.38	chr12	12p13	35	107.76
LIMCH1	244.23	chr4	4p13	72	159.41
SSB	244.19	chr2	2q31.1	53	169.44
CHMP2A	244.13	chr19	19q	34	64.62
ATP6V1B2	243.98	chr8	8p21.3	28	128.87
TMEM230	243.98	chr20	20p13	72	122.94
ID2	243.92	chr2	2p25	77	331.27
SHISA4	243.91	chr1	1q32.1	26	109.97
Hs.716747	243.91	chr4	N/A	7	67.21
Hs.654776	243.88	chr14	N/A	7	28.60
Hs.745102	243.81	chr2	N/A	7	101.81
SBDS	243.77	chr7	7q11.21	34	65.23
MAFG-AS1	243.64	chr17	17q25.3	3	87.45
Hs.659065	243.61	chr7	N/A	14	118.37
ATP5SL	243.54	chr19	19q13.2	43	114.86
Hs.708341	243.31	chr6	N/A	7	148.80
DNAJB9	243.08	chr7	14q24.2-q24.3	26	88.80
CXCR7	243.02	chr2	2q37.3	35	98.86
RAB10	242.84	chr2	2p23.3	30	134.17
GSTM2	242.65	chr1	1p13.3	60	175.07
PPM1K	242.36	chr4	4q22.1	96	143.23
ADAM9	242.14	chr8	8p11.22	42	206.35
ITPRIP	242.04	chr10	10q25.1	27	93.98
SLC25A12	241.93	chr2	2q24	50	149.93
TACC2	241.90	chr10	10q26	76	162.59
Hs.695133	241.90	chr21	N/A	7	82.81
ARHGAP33	241.50	chr19	19q13.12	67	185.67
TOB1	241.31	chr17	17q21	38	152.75
PODXL	241.17	chr7	7q32-q33	29	74.82
ZBTB20	241.09	chr3	3q13.2	59	462.13
MRPS33	240.75	chr7	7q34	41	83.83
Hs.602117	240.72	chr4	N/A	7	93.48
Hs.592561	240.55	chr3	N/A	3	1.04
SEC61B	240.45	chr9	9q22.32-q31.3	48	88.04
TCF15	240.41	chr20	20p13	42	155.78
VIMP	240.34	chr15	15q26.3	49	121.73
TMED10	240.24	chr14	14q24.3	66	93.94
Hs.511486	240.24	chr7	N/A	15	152.68
Hs.720318	240.20	chr1	N/A	3	0.87
TNS1	240.17	chr2	2q35-q36	85	196.66
LINC00116	239.96	chr2	2q13	27	99.53
CTNNA1	239.93	chr9	9q31.2	33	94.89
Hs.708005	239.77	chr16	N/A	19	88.74
UROD	239.73	chr1	1p34	40	83.62
ESRRA	239.72	chr11	11q13	40	94.74
Hs.559628	239.38	chr1	N/A	10	83.00
RTCB	239.37	chr22	22q12	41	56.42
SERINC1	239.30	chr6	6q22.31	40	105.12
LOC389607	238.80	chr8	8p23.3	11	64.36
DUSP6	238.77	chr12	12q22-q23	57	171.05
YWHAZ	238.67	chr8	8q23.1	126	281.55
VCP	238.59	chr9	9p13.3	71	119.12
RNF217	238.53	chr6	6q22.31	29	476.12

ITPK1-AS1	238.49	chr14	14q32.12	5	84.43
PIGY	238.34	chr4	4q22.1	18	94.16
HSBP1	238.28	chr16	16q23.3	66	87.58
ACTR3	238.23	chr2	2q14.1	75	194.65
ISCA2	238.09	chr14	14q24.3	26	85.33
SLC44A1	238.08	chr9	9q31.2	68	251.10
TRABD2B	238.06	chr1	1p33	46	164.99
PSMC5	238.05	chr17	17q23.3	33	102.67
Hs.269909	237.53	chr14	N/A	7	150.01
C5orf58	237.47	chr5	5q35.1	15	107.22
LIMS2	237.39	chr2	2q14.3	21	50.02
CRIP1	236.93	chr14	14q32.33	28	109.22
IGFBP2	236.69	chr2	2q33-q34	32	86.13
RLTPR	236.56	chr16	16q22.1	27	159.58
SNRNP70	236.43	chr19	19q13.3	73	196.21
Hs.592894	236.33	chr5	N/A	7	90.80
Hs.708272	236.27	chr6	N/A	10	120.66
MRPS36	236.13	chr5	5q13.2	51	119.40
SPRY1	236.02	chr4	4q28.1	37	179.63
EIF4A1	236.01	chr17	17p13	107	131.32
SDF2L1	235.91	chr22	22q11.21	28	125.14
LMCD1	235.90	chr3	3p26-p24	36	186.51
LBH	235.89	chr2	2p23.1	60	106.58
SHISA5	235.61	chr3	3p21.31	39	106.95
SNHG16	235.60	chr17	N/A	26	152.71
Hs.599237	235.57	chr16	N/A	8	138.33
GTPBP6	235.51	chrX	Xp22.33; Yp11.32	40	129.72
PCMT1	235.36	chr6	6q24-q25	64	164.56
KCNT2	234.94	chr1	1q31.3	45	239.79
MDFIC	234.85	chr7	7q31.1-q31.2	66	419.10
Hs.444475	234.74	chr15	N/A	13	156.47
CD4	234.51	chr12	12p13.31	46	188.82
KAT6A	234.11	chr8	8p11	84	458.48
Hs.721950	233.87	chr8	N/A	7	65.93
CLDN4	233.78	chr7	7q11.23	56	575.06
HSPD1	233.69	chr2	2q33.1	50	124.83
MALSU1	233.56	chr7	7p15.3	47	149.12
Hs.733323	233.56	chr17	N/A	7	90.54
VBP1	233.48	chrX	Xq28	47	106.76
PERP	233.10	chr6	6q24	49	134.36
CLU	233.05	chr8	8p21-p12	50	160.66
RAP1A	232.95	chr1	1p13.3	44	149.36
HNRNPBK	232.83	chr9	9q21.32-q21.33	51	106.15
UBE3A	232.79	chr15	15q11.2	113	298.27
LOC642934	232.77	chr10	10q23.1	3	9.93
RDH14	232.69	chr2	2p24.2	28	136.38
SNRPF	232.60	chr12	12q23.1	46	69.19
HSD17B10	232.28	chrX	Xp11.2	46	63.74
CTDSP1	232.22	chr2	2q35	39	73.36
HTRA1	232.21	chr10	10q26.3	35	85.01
PTPLA	231.86	chr10	10p14-p13	39	133.60
NUDT4	231.75	chr12	12q21	114	144.82
PNPLA2	231.72	chr11	11p15.5	42	150.87
SLC5A1	231.50	chr22	22q12.3	31	97.42
Hs.744982	231.47	chr20	N/A	7	33.07
DCTN2	231.37	chr12	12q13.3	51	120.85
Hs.604373	231.35	chrX	N/A	14	79.79
MLF2	231.17	chr12	12p13	30	118.64
NUDC	231.12	chr1	1p35-p34	38	139.46
EIF5	231.11	chr14	14q32.32	96	227.63
SLC17A3	231.06	chr6	6p21.3	42	608.06
DUSP27	230.84	chr1	1q22-q24	26	85.62
Hs.713344	230.73	chr19	N/A	7	79.91
POLR2M	230.73	chr15	15q21.3	112	234.88
HIST2H3D	230.48	chr1	1q21.2	4	30.68
SNAR-A1	230.47	chr19	19q13.33	3	2.47

IRF2BP2	230.38	chr1	1q42.3	64	123.69
H2AFZ	230.30	chr4	4q24	57	74.60
TCEAL3	230.01	chrX	Xq22.2	29	90.33
Hs.75724	229.97	chr3	N/A	1	0.00
GADD45B	229.84	chr19	19p13.3	71	282.66
MXRA7	229.78	chr17	17q25.1	72	190.00
Hs.594641	229.77	chr15	N/A	7	72.45
IAH1	229.77	chr2	2p25.1	33	83.69
CUEDC2	229.73	chr10	10q24.32	38	88.00
Hs.596780	229.64	chr1	N/A	10	82.98
UXT	229.53	chrX	Xp11.23-p11.22	34	86.51
CD9	229.45	chr12	12p13.3	42	161.53
ANK3	229.39	chr10	10q21	106	189.02
Hs.616026	229.33	chr4	N/A	10	35.87
MMGT1	229.23	chrX	Xq26.3	29	128.96
AKR1C2	228.92	chr10	10p15-p14	35	175.12
MPRIP	228.85	chr17	17p11.2	84	122.75
BAG6	228.56	chr6	6p21.3	60	84.00
EIF3M	228.44	chr11	11p13	61	103.24
TGM2	228.43	chr20	20q12	63	200.05
NPIPL3	228.42	chr16	16p12.2	53	221.10
C6orf48	228.05	chr6	6p21.3	28	69.27
TRAPPC8	227.34	chr18	18q12.1	37	180.19
GYPC	227.31	chr2	2q14-q21	34	94.76
GNB1	227.25	chr1	1p36.33	43	134.20
HNRNPH1	227.20	chr5	5q35.3	103	224.05
CALM3	227.14	chr19	19q13.2-q13.3	56	162.21
HNRNPAB	227.13	chr5	5q35.3	46	142.11
AFG3L2	227.09	chr18	18p11	34	126.16
SVIL	227.07	chr10	10p11.2	79	196.83
RING1	226.98	chr6	6p21.3	35	84.16
YPEL5	226.92	chr2	2p23.1	36	77.70
ITGB1BP2	226.80	chrX	Xq12-q13.1	28	77.93
HINT2	226.71	chr9	9p13.3	26	126.06
RTN3	226.71	chr11	11q13	85	286.16
Hs.594321	226.44	chr4	N/A	5	146.09
MID1IP1	226.36	chrX	Xp11.4	31	312.47
VKORC1	226.29	chr16	16p11.2	34	121.90
AP3S1	226.22	chr5	5q22	37	77.61
CAST	226.20	chr5	5q15	99	108.89
Hs.603516	226.05	chr1	N/A	7	246.45
TMEM127	225.94	chr2	2q11.2	70	147.55
Hs.677406	225.92	chr1	N/A	1	0.00
SLMAP	225.89	chr3	3p21.2-p14.3	65	140.39
SIK1	225.84	chr21	21q22.3	46	105.70
STAU1	225.66	chr20	20q13.1	58	142.75
CTSH	225.62	chr15	15q25.1	33	78.79
PTGFRN	225.56	chr1	1p13.1	37	120.73
RNF181	225.36	chr2	2p11.2	24	73.89
HABP2	225.33	chr10	10q25.3	25	245.43
Hs.628728	225.27	chr5	N/A	26	66.81
APEX1	225.26	chr14	14q11.2	43	97.64
LARP6	225.23	chr15	15q23	32	86.67
Hs.695170	225.22	chrX	N/A	3	4.37
C11orf31	224.95	chr11	11q12.1	34	82.82
NCSTN	224.94	chr1	1q22-q23	31	88.65
IFITM5	224.75	chr11	11p15.5	20	92.06
TAF10	224.67	chr11	11p15.3	32	106.97
NSA2	224.45	chr5	5q13.3	40	112.56
DCX	224.29	chrX	Xq22.3-q23	45	605.69
VAPA	224.12	chr18	18p11.22	86	349.83
ROCK2	223.96	chr2	2p24	55	335.31
Hs.597400	223.95	chr17	N/A	7	87.45
IGL	223.52	chr22	22q11.2	14	220.87
Hs.631515	223.34	chr4	N/A	7	53.83
COA4	223.33	chr11	11q13.4	28	87.81

Hs.708924	223.31	chr16	N/A	3	5.28
C7orf55	223.18	chr7	7q34	30	116.62
NOL7	223.16	chr6	6p23	55	121.93
MRAS	223.12	chr3	3q22.3	52	72.53
MLYCD	223.01	chr16	16q24	52	98.88
GDI2	222.97	chr10	10p15	57	122.25
RHO	222.95	chr3	3q21-q24	61	270.50
HNRNPM	222.91	chr19	19p13.3-p13.2	57	138.18
TSTD2	222.82	chr9	9q22.33	60	149.33
PAMR1	222.81	chr11	11p13	40	282.37
DHRS3	222.71	chr1	1p36.1	37	95.16
MVP	222.44	chr16	16p11.2	33	86.53
ZNHIT1	222.36	chr7	7q22.1	28	60.06
TAGLN2	222.28	chr1	1q21-q25	59	105.56
C10orf71	221.85	chr10	10q11.23	10	85.69
HES4	221.80	chr1	1p36.33	19	96.46
NFU1	221.67	chr2	2p15-p13	28	61.88
ARHGAP1	221.60	chr11	11p11.2	66	160.39
Hs.124007	221.58	chr11	N/A	10	56.86
DNAJA1	221.52	chr9	9p13.3	47	92.97
KIAA0247	221.46	chr14	14q24.1	37	118.64
Hs.107418	221.33	chr5	N/A	6	200.95
WDR1	221.28	chr4	4p16.1	84	153.78
ART3	221.18	chr4	4p15.1-p14	28	64.18
MEDAG	220.68	chr13	13q12.3	38	461.34
JUNB	220.67	chr19	19p13.2	49	112.95
TYROBP	220.61	chr19	19q13.1	29	89.80
RBBP7	220.58	chrX	Xp22.2	40	96.61
FOS	220.49	chr14	14q24.3	48	160.65
ULK1	220.42	chr12	12q24.3	46	112.79
EPHA4	220.38	chr2	2q36.1	70	231.60
Hs.713733	220.33	chr8	N/A	7	120.04
TXLNB	220.29	chr6	6q24.1	16	62.98
EPDR1	220.28	chr7	7p14.1	34	144.42
Hs.460617	220.09	chr16	N/A	5	39.77
MAPK4	219.86	chr18	18q21.1	39	222.52
NRXN2	219.81	chr11	11q13	47	227.00
SLC35B1	219.76	chr17	17q21.33	37	102.02
Hs.666824	219.65	chr4	N/A	7	73.12
Hs.713387	219.56	chr1	N/A	7	98.76
Hs.720884	219.52	chr5	N/A	7	78.53
CLIC4	219.43	chr1	1p36.11	101	155.27
PPIC	219.37	chr5	5q23.2	45	91.52
DNAJB11	219.37	chr3	3q27.3	17	100.11
FGF12	219.19	chr3	3q28	114	147.06
AAMDC	219.04	chr11	11q14.1	31	69.04
SF3B2	219.01	chr11	11q13.1	31	97.06
Hs.644710	218.90	chr16	N/A	15	42.30
HCRT	218.90	chr17	17q21	23	92.60
ADH1B	218.86	chr4	4q23	43	189.34
IGKC	218.56	chr2	2p12	214	371.89
IL1RL1	218.53	chr2	2q12	54	408.50
POLR2K	218.46	chr8	8q22.2	57	127.19
PPAP2A	218.24	chr5	5q11	39	73.03
FCGRT	218.17	chr19	19q13.3	65	109.88
MRPS12	218.10	chr19	19q13.1-q13.2	68	109.37
TMEM120A	218.10	chr7	7q11.23	33	189.92
TSPAN3	218.09	chr15	15q24.3	41	76.69
HSPG2	217.77	chr1	1p36.1-p34	40	154.51
Hs.572642	217.75	chr2	N/A	8	128.76
CDH22	217.73	chr20	20q13.1	41	172.76
KHDRBS1	217.73	chr1	1p32	53	90.91
METAP2	217.68	chr12	12q22	59	145.23
Hs.554459	217.48	chr5	N/A	7	146.71
Hs.645882	217.42	chr11	N/A	12	103.55
GDE1	217.30	chr16	16p12-p11.2	45	74.19

CHRN4	217.07	chr15	15q24	25	221.82
TTLL3	216.76	chr3	3p25.3	96	820.79
RCN1	216.68	chr11	11p13	51	173.34
TMEM219	216.52	chr16	16p11.2	27	166.19
FBXO32	216.37	chr8	8q24.13	83	120.84
PLA2G5	216.22	chr1	1p36-p34	39	119.14
ANXA6	216.15	chr5	5q33.1	32	98.61
HNRNPC	216.11	chr14	14q11.2	100	106.78
NOP16	215.95	chr5	5q35.2	52	220.74
UCHL3	215.93	chr13	13q22.2	30	138.83
LRPPRC	215.92	chr2	2p21	55	164.12
DDOST	215.92	chr1	1p36.1	42	82.37
FKBP1A	215.80	chr20	20p13	91	289.83
PKIG	215.77	chr20	20q12-q13.1	43	113.60
Hs.703520	215.76	chr5	N/A	12	82.02
Hs.643495	215.74	chr5	N/A	7	228.28
NONO	215.67	chrX	Xq13.1	63	145.36
RTFDC1	215.62	chr20	20q13.31	34	118.81
CDK4	215.56	chr12	12q14	32	75.54
ERP29	215.50	chr12	12q24.13	36	130.91
CASP7	215.48	chr10	10q25	41	226.13
SMTN	215.33	chr22	22q12.2	49	99.82
MRPS21	215.19	chr1	1q21	56	81.13
S100A11	215.18	chr1	1q21	45	207.40
ATP5L2	214.85	chr22	22q13.2	7	39.07
EMC6	214.74	chr17	17p13.2	34	86.52
APOLD1	214.72	chr12	12p13.1	27	96.56
GSTM1	214.72	chr1	1p13.3	51	171.65
QDPR	214.67	chr4	4p15.31	34	99.73
PIGF	214.64	chr2	2p21-p16	58	188.32
Hs.713826	214.62	chr17	N/A	7	51.46
NDRG1	214.44	chr8	8q24.3	68	132.95
POLR3GL	214.33	chr1	1q21.1	33	93.35
LOC100505502	214.29	chr10	10p11.22	10	16.35
TSPYL1	214.17	chr6	6q22.1	14	106.03
METRNL	214.07	chr17	17q25.3	29	106.38
NPTN	214.01	chr15	15q22	62	179.72
TMEM9B	213.99	chr11	11p15.3	46	101.52
Hs.5327	213.98	chr15	N/A	4	17.47
MRPL46	213.95	chr15	15q25.3	51	76.02
PIM3	213.94	chr22	22q13	27	102.49
SEC62	213.76	chr3	3q26.2	77	359.65
LOC101060147	213.63	chr7	N/A	1	0.00
Hs.719336	213.54	chr1	N/A	14	91.06
Hs.593973	213.49	chr2	N/A	7	111.93
FLOT2	213.47	chr17	17q11-q12	52	172.32
NPAS3	213.22	chr14	14q12-q13	72	255.04
PPIL1	213.22	chr6	6p21.1	26	54.85
LOC100129034	213.18	chr9	9q33.3	12	153.53
FYCO1	213.12	chr3	3p21.31	36	88.06
AHSA1	213.12	chr14	14q24	35	89.41
LARGE	212.81	chr22	22q12.3	64	155.86
SPRY2	212.79	chr13	13q31.1	30	96.53
DNAJC8	212.70	chr1	1p35.3	65	138.13
POLR2J	212.69	chr7	7q22.1	38	92.74
Hs.595885	212.68	chr2	N/A	1	0.00
Hs.660389	212.55	chr14	N/A	8	54.41
IGLC1	212.53	chr22	22q11.2	127	247.50
Hs.599563	212.51	chr11	N/A	7	50.83
PRR13	212.44	chr12	12q12	49	174.76
ZCRB1	212.37	chr12	12q12	27	126.10
JDP2	212.27	chr14	14q24.3	39	249.89
CLPP	212.22	chr19	19p13.3	30	77.26
FBLN2	212.22	chr3	3p25.1	38	122.50
PSMD1	212.11	chr2	2q37.1	45	75.16
APLP2	212.08	chr11	11q24	84	131.42

Hs.705504	212.00	chr1	N/A	3	6.27
CAPZA2	211.97	chr7	7q31.2-q31.3	46	178.75
MTA1	211.85	chr14	14q32.3	59	107.87
Hs.613663	211.84	chr16	N/A	1	0.00
Hs.663956	211.82	chr3	N/A	1	0.00
PRKAG1	211.78	chr12	12q12-q14	40	115.83
NES	211.78	chr1	1q23.1	43	108.32
PRMT1	211.70	chr19	19q13.3	37	98.36
C9orf3	211.62	chr9	9q22.32	58	109.19
MYBPHL	211.62	chr1	1p13.3	6	68.27
TXN2	211.30	chr22	22q13.1	42	73.99
LSM10	211.29	chr1	1p34.3	26	148.93
SERPINE2	211.18	chr2	2q36.1	38	180.41
AMELY	211.00	chrY	Yp11.2	23	244.07
UNC45B	210.99	chr17	17q12	44	90.92
Hs.713819	210.77	chr5	N/A	12	62.42
DIRAS1	210.76	chr19	19p13.3	27	103.17
Hs.741772	210.69	chr1	N/A	7	66.82
ZNF525	210.57	chr19	19q13.42	30	115.46
NTN4	210.55	chr12	12q22	29	108.65
MRPL10	210.51	chr17	17q21.32	32	137.78
ADD1	210.47	chr4	4p16.3	97	206.80
DRG1	210.40	chr22	22q12.2	37	67.30
LEPROT	210.38	chr1	1p31.3	59	104.31
TXN	210.32	chr9	9q31	38	68.92
TCEB3	210.26	chr1	1p36.1	53	296.17
Hs.608924	210.08	chr12	N/A	3	2.16
PTGES3	210.05	chr12	12	62	124.61
DIABLO	210.03	chr12	12q24.31	27	117.68
THBS2	209.97	chr6	6q27	42	243.11
GOLGA4	209.82	chr3	3p22-p21.3	65	178.62
DVL1	209.74	chr1	1p36	45	133.31
SMDT1	209.71	chr22	22q13.2	36	138.74
Hs.733382	209.55	chr2	N/A	7	115.01
PRKCDBP	209.55	chr11	11p15.4	38	101.79
CKAP5	209.48	chr11	11p11.2	44	351.74
Hs.741565	209.23	chr12	N/A	5	188.28
Hs.710734	209.15	chr17	N/A	7	74.47
ARL2BP	209.10	chr16	16q13	37	116.09
Hs.713858	209.09	chr12	N/A	5	62.13
HBG2	209.08	chr11	11p15.5	39	206.29
IFI30	209.02	chr19	19p13.1	32	93.02
STX3	208.94	chr11	11q12.1	50	173.44
TMEM109	208.87	chr11	11q12.2	42	91.19
MT1G	208.84	chr16	16q13	43	116.64
TXNL1	208.84	chr18	18q21.31	34	83.04
SPON2	208.77	chr4	4p16.3	20	104.85
CDK2AP2	208.68	chr11	11q13	30	132.51
GPSM1	208.63	chr9	9q34.3	39	137.59
IARS2	208.62	chr1	1q41	37	89.54
Hs.697443	208.60	chr7	N/A	7	122.37
TSPAN7	208.51	chrX	Xp11.4	33	113.01
FASTK	208.42	chr7	7q35	57	98.16
KIAA0355	208.26	chr19	19q13.11	34	334.95
STAR	208.17	chr8	8p11.2	36	240.46
DLGAP3	207.87	chr1	1p35.3-p34.1	23	115.17
SURF1	207.63	chr9	9q34.2	35	64.23
Hs.501239	207.63	chr10	N/A	8	47.74
PALM	207.50	chr19	19p13.3	36	91.13
H2AFY	207.28	chr5	5q31.1	65	134.41
IER5	207.23	chr1	1q25.3	38	94.29
AKTIP	207.18	chr16	16q12.2	70	124.22
SNRPN	207.11	chr15	15q11.2	198	171.99
VPS18	207.11	chr15	15q14-q15	27	118.52
PKP2	207.00	chr12	12p11	42	139.58
Hs.597612	206.89	chr9	N/A	7	157.97

PPP1R11	206.47	chr6	6p21.3	43	129.73
Hs.581009	206.47	chr22	N/A	10	24.25
ICT1	206.41	chr17	17q25.1	20	58.96
CORIN	206.36	chr4	4p13-p12	37	182.34
KRTAP2-4	206.32	chr17	17q21.2	35	151.29
Hs.706313	206.27	chr14	N/A	15	111.75
MIEN1	206.26	chr17	17q12	19	119.14
MAP1LC3A	206.19	chr20	20q11.22	34	201.92
ADIPOR1	206.17	chr1	1q32.1	31	85.32
OGT	206.16	chrX	Xq13	93	271.11
VAPB	206.13	chr20	20q13.33	63	542.63
COMMD7	206.03	chr20	20q11.21	37	142.32
PPP1R14B	206.01	chr11	11q13	31	79.97
Hs.667304	205.79	chr4	N/A	7	159.60
MYOM3	205.62	chr1	1p36.11	46	151.46
VRK2	205.57	chr2	2p16.1	30	222.00
MTX2	205.47	chr2	2q31.1	41	90.56
Hs.604369	205.46	chr14	N/A	7	70.64
COX10	205.35	chr17	17p12	37	145.48
KPNB1	205.23	chr17	17q21.32	55	93.85
CAPZB	204.95	chr1	1p36.1	65	111.58
Hs.66185	204.72	chr21	N/A	24	244.27
SUCLA2	204.66	chr13	13q12.2-q13.3	43	103.92
LOC100128364	204.52	chr7	7p13	10	53.14
WWP1	204.48	chr8	8q21	59	150.72
TRAM1	204.46	chr8	8q13.3	64	126.48
FNDC5	204.38	chr1	1p35.1	26	109.18
Hs.658805	204.34	chr2	N/A	7	25.79
Hs.665359	204.23	chr8	N/A	22	176.62
SRF	204.21	chr6	6p21.1	57	151.05
FBXL5	204.16	chr4	4p15.32	40	105.93
LOC284889	204.15	chr22	22q11.23	13	178.52
DNAJC15	204.07	chr13	13q14.1	41	104.97
DCTN1	203.95	chr2	2p13	54	128.77
ATP2B4	203.88	chr1	1q32.1	75	147.65
Hs.743717	203.81	chr19	N/A	2	15.00
MLLT4-AS1	203.78	chr6	6q27	24	134.48
Hs.655303	203.76	chr7	N/A	10	51.58
CITED2	203.68	chr6	6q23.3	46	185.21
Hs.597429	203.60	chr18	N/A	7	126.47
SLC39A14	203.52	chr8	8p21.3	55	114.55
PPP1R16A	203.52	chr8	8q24.3	36	110.13
Hs.693788	203.49	chr5	N/A	14	57.79
SLC25A23	203.34	chr19	19p13.3	42	154.86
HMGCS2	203.16	chr1	1p13-p12	32	208.85
SSR2	203.12	chr1	1q21-q23	53	103.09
Hs.599486	202.86	chr3	N/A	7	232.76
IK	202.73	chr5	5q31.3	72	67.12
Hs.713721	202.68	chr12	N/A	3	8.30
RARS	202.66	chr5	5q35.1	44	105.85
RHEB	202.60	chr7	7q36	72	139.54
LINC00114	202.49	chr21	21q22.2	16	211.77
SEPT7	202.45	chr7	7p14.2	62	195.56
Hs.657164	202.43	chr11	N/A	3	119.99
Hs.105902	202.38	chr4	N/A	8	119.07
GARS	202.17	chr7	7p15	32	127.83
LHFP	202.14	chr13	13q12	39	96.91
PDAP1	202.06	chr7	7q22.1	49	164.96
HS2ST1	202.00	chr1	1p22.3	104	477.50
Hs.712842	201.90	chr17	N/A	14	170.35
Hs.604376	201.90	chr2	N/A	8	155.33
TM2D3	201.84	chr15	15q26.3	42	85.59
ACAA1	201.82	chr3	3p22.2	50	64.19
MRPL16	201.74	chr11	11q12.1	35	81.91
MYL6B	201.70	chr12	12q13.13	30	133.71
CEP170	201.66	chr1	1q44	110	513.55

TMEM130	201.43	chr7	7q22.1	26	229.76
ABLIM3	201.29	chr5	5q32	43	107.20
CCNDBP1	201.28	chr15	15q14-q15	32	129.48
MAT2B	201.23	chr5	5q34-q35	56	107.46
TGM3	201.13	chr20	20q11.2	30	234.01
Hs.743640	201.11	chr8	N/A	3	97.15
TRAPPC5	201.09	chr19	19p13.2	31	55.80
Hs.733039	200.95	chr11	N/A	8	149.35
Hs.596026	200.92	chr5	N/A	4	60.88
SGK1	200.82	chr6	6q23	54	137.80
Hs.598387	200.80	chr8	N/A	7	168.88
FILIP1L	200.77	chr3	3q12.1	43	230.54
OLFML3	200.74	chr1	1p13.2	36	190.24
Hs.644723	200.66	chr16	N/A	15	116.32
SH3BGRL3	200.48	chr1	1p36.11	25	104.39
ZNF76	200.39	chr6	6p21.31	37	181.38
CRELD2	200.35	chr22	22q13.33	21	48.90
AP1S2	200.29	chrX	Xp22.2	82	133.41
FXYD6	200.03	chr11	11q23.3	21	87.94
LONP1	200.01	chr19	19p13.2	28	76.99
HNRPDL	199.96	chr4	4q21.22	72	164.56
Hs.645863	199.93	chr5	N/A	8	123.13
F13A1	199.76	chr6	6p25.3-p24.3	30	146.67
ECSIT	199.75	chr19	19p13.2	28	80.57
SLC1A3	199.62	chr5	5p13	50	154.63
NUPR1	199.47	chr16	16p11.2	35	76.62
ZBTB47	199.43	chr3	3p22.1	40	69.26
NDN	199.35	chr15	15q11.2-q12	30	146.08
MLH1	199.17	chr3	3p21.3	32	59.28
SRRM2	199.05	chr16	16p13.3	64	136.63
SDF4	198.96	chr1	1p36.33	37	76.17
Hs.594963	198.70	chr3	N/A	1	0.00
SEPT2	198.68	chr2	2q37	62	128.35
POLA2	198.68	chr11	11q13.1	31	187.54
HAND1	198.66	chr5	5q33	21	135.94
CISD3	198.65	chr17	17q12	29	83.31
PPARGC1A	198.52	chr4	4p15.1	39	145.19
Hs.701237	198.41	chr1	N/A	7	101.72
CCDC12	198.38	chr3	3p21.31	26	86.89
APOPT1	198.33	chr14	14q32.33	42	248.40
SLC38A1	198.32	chr12	12q13.11	64	129.21
COMMD1	198.27	chr2	2p15	42	128.40
Hs.743587	198.26	chr18	N/A	7	104.61
MFJ	198.25	chr2	2q36.3	46	79.64
CPVL	198.14	chr7	7p15.1	43	133.05
GLO1	198.11	chr6	6p21.3-p21.1	44	132.49
NTMT1	198.05	chr9	9q34.11	25	123.99
Hs.407368	197.97	chr19	N/A	7	78.35
NCOA1	197.85	chr2	2p23	55	317.20
Hs.463382	197.69	chr17	N/A	10	158.81
IMPA2	197.47	chr18	18p11.2	30	77.23
TIMM23	197.47	chr10	10q11.23	80	128.53
FBLN5	197.18	chr14	14q32.1	50	71.52
SFRP1	197.12	chr8	8p11.21	58	111.51
NUTF2	197.04	chr16	16q22.1	48	158.33
Hs.712759	196.96	chr3	N/A	5	79.44
MBOAT7	196.95	chr19	19q13.4	71	334.19
SLC16A1	196.95	chr1	1p12	46	157.24
COQ5	196.83	chr12	12q24.31	23	93.98
PNMA1	196.53	chr14	14q24.3	26	175.34
TMEM50B	196.41	chr21	21q22.11	61	136.56
GRHPR	196.31	chr9	9q12	64	87.84
TCEAL8	196.09	chrX	Xq22.1	30	57.88
UCN	196.05	chr2	2p23-p21	33	504.24
FKBP2	196.03	chr11	11q13.1-q13.3	44	149.20
MOAP1	195.60	chr14	14q32	30	91.01

PTPRM	195.60	chr18	18p11.2	71	146.68
SMCR5	195.59	chr17	N/A	11	62.40
Hs.387982	195.50	chr1	N/A	28	376.59
ZNF248	195.42	chr10	10p11.2	43	261.12
RNASEH2C	195.33	chr11	11q13.1	37	74.87
Hs.599853	195.30	chrX	N/A	7	67.63
SOX18	195.27	chr20	20q13.33	21	176.97
NELFE	195.15	chr6	6p21.3	43	83.13
EIF2A	195.14	chr3	3q25.1	45	220.56
MSN	195.13	chrX	Xq11.1	89	169.83
Hs.666890	195.09	chr3	N/A	14	100.89
SRSF9	195.04	chr12	12q24.31	35	101.37
DCTN4	194.90	chr5	5q31-q32	30	131.64
SNRPB2	194.67	chr20	20p12.1	52	126.24
TMBIM4	194.65	chr12	12q14.1-q15	50	160.18
DNAJB6	194.57	chr7	7q36.3	84	148.65
PIN1	194.56	chr19	19p13	37	120.98
Hs.713918	194.45	chr12	N/A	7	165.26
Hs.458609	194.40	chr15	N/A	8	68.29
RILP	194.37	chr17	17p13.3	36	93.64
SNRPB	194.35	chr20	20p13	49	81.05
Hs.723505	194.30	chr1	N/A	3	7.46
Hs.707187	194.26	chr5	N/A	14	104.21
Hs.733884	194.20	chr16	N/A	14	347.11
ABR	193.96	chr17	17p13.3	55	122.67
SNRPD3	193.95	chr22	22q11.23	44	103.52
TMED7	193.95	chr5	5q22.3	31	187.83
RAD21	193.82	chr8	8q24	48	200.54
B3GNT1	193.68	chr11	11q13.2	31	76.08
Hs.730861	193.64	chr6	N/A	3	4.36
Hs.655249	193.55	chr15	N/A	36	94.88
CLEC14A	193.54	chr14	14q21.1	29	81.80
NBPF11	193.44	chr1	1q21.1	36	92.40
Hs.654950	193.43	chr8	N/A	8	103.36
ARL5A	193.39	chr2	2q23.3	45	134.99
CCL19	193.38	chr9	9p13	30	408.73
U2AF1	193.38	chr21	21q22.3	70	120.46
POLR2G	193.35	chr11	11q13.1	30	47.68
Hs.634294	193.19	chr4	N/A	7	70.99
MGEA5	193.16	chr10	10q24.1-q24.3	59	105.37
Hs.731837	193.13	chr20	N/A	1	0.00
Hs.544637	193.12	chr6	N/A	3	7.01
TMEM204	193.09	chr16	16p13.3	30	100.35
IMPDH2	192.81	chr3	3p21.2	30	104.90
ESAM	192.62	chr11	11q24.2	36	119.15
NDUFA10	192.53	chr2	2q37.3	87	154.98
Hs.659412	192.48	chr1	N/A	1	0.00
NAT9	192.43	chr17	17q25.1	30	185.57
SPATA20	192.41	chr17	17q21.33	28	99.74
RAB5A	192.39	chr3	3p24-p22	63	144.60
LRRFIP2	192.30	chr3	3p22.2	76	136.33
Hs.693667	192.19	chr12	N/A	13	177.14
COMMD6	192.14	chr13	13q22	54	132.95
EIF4B	192.12	chr12	12q13.13	85	151.93
ADSL	192.10	chr22	22q13.2	35	109.14
ZFAND5	192.05	chr9	9q13-q21	92	167.56
EHD4	191.94	chr15	15q11.1	32	102.48
IRF2	191.87	chr4	4q34.1-q35.1	60	295.32
PARL	191.81	chr3	3q27.1	52	109.75
TMEM165	191.73	chr4	4q12	59	260.43
ZNF131	191.38	chr5	5p12	41	265.69
MRPL40	191.33	chr22	22q11.2	30	61.57
Hs.678169	191.29	chr3	N/A	1	0.00
Hs.224012	191.16	chr20	N/A	13	101.81
ACTR10	191.16	chr14	14q23.1	31	56.01
DLGAP1-AS1	191.15	chr18	18p11.31	29	221.52

SNX22	191.07	chr15	15q22.31	26	192.70
ATN1	191.05	chr12	12p13.31	66	190.71
TECR	190.95	chr19	19p13.12	21	58.18
CD34	190.88	chr1	1q32	61	152.59
HNRNPA3	190.86	chr2	2q31.2	145	422.30
Hs.58617	190.83	chr2	N/A	7	68.37
LOC728741	190.75	chr16	16p11.2	2	22.16
MYEOV2	190.74	chr2	2q37.3	40	132.83
TEAD2	190.72	chr19	19q13.3	46	170.73
SRGN	190.45	chr10	10q22.1	41	113.89
FHIT	190.45	chr3	3p14.2	73	223.94
PICALM	190.41	chr11	11q14	96	263.58
TANC1	190.36	chr2	2q24.2	30	74.38
MRPL12	190.13	chr17	17q25	31	89.20
C5orf15	189.97	chr5	5q31.1	38	103.98
XIRP2	189.89	chr2	2q24.3	53	147.15
FILIP1	189.88	chr6	6q14.1	46	77.63
CD14	189.80	chr5	5q31.1	40	185.34
NUDT22	189.59	chr11	11q13.1	19	80.02
GGNBP2	189.46	chr17	17q12	49	133.47
KIAA1191	189.40	chr5	5q35.2	46	96.10
KLF4	189.38	chr9	9q31	61	191.98
Hs.745075	189.23	chr13	N/A	1	0.00
Hs.644748	189.23	chr20	N/A	3	2.30
TRIP12	189.05	chr2	2q36.3	69	154.37
RNF11	188.96	chr1	1p32	25	65.85
NSMCE4A	188.91	chr10	10q26.13	55	241.90
TSPAN9	188.77	chr12	12p13.33-p13.32	62	327.61
SFTPC	188.72	chr8	8p21	74	342.34
CDC42	188.69	chr1	1p36.1	120	239.15
PSMD14	188.68	chr2	2q24.2	35	65.42
FKBP9	188.48	chr7	7p11.1	62	116.42
Hs.666020	188.41	chr4	N/A	7	76.17
BTG2	188.37	chr1	1q32	35	96.22
SLC25A20	188.37	chr3	3p21.31	36	87.98
COX16	188.32	chr14	14q24.2	29	72.84
Hs.715912	188.16	chr10	N/A	1	0.00
THEM5	188.07	chr1	1q21.3	24	138.32
Hs.655526	188.06	chr1	N/A	1	0.00
IFRD2	187.95	chr3	3p21.3	30	89.43
Hs.707507	187.92	chr1	N/A	7	69.38
DPF2	187.91	chr11	11q13	23	67.32
LZTS2	187.82	chr10	10q24	46	80.88
LBX1	187.70	chr10	10q24	36	216.65
NUDT16L1	187.69	chr16	16p13.3	36	174.86
Hs.732028	187.53	chr7	N/A	14	120.31
HNRNPF	187.39	chr10	10q11.21	40	144.07
Hs.62909	187.36	chr1	N/A	15	128.24
Hs.698224	187.18	chr19	N/A	1	0.00
ZNF652	187.10	chr17	17q21.32	86	312.87
PABPN1	186.95	chr14	14q11.2	64	71.98
CXCL12	186.88	chr10	10q11.1	98	98.80
SEC31A	186.85	chr4	4q21.22	84	155.27
ARRDC4	186.84	chr15	15q26.3	29	146.94
HEXB	186.64	chr5	5q13	42	144.29
MRPL32	186.63	chr7	7p14	26	68.25
Hs.713856	186.53	chr2	N/A	3	5.12
PLCXD3	186.46	chr5	5p13.1	29	118.50
PSMC2	186.46	chr7	7q22.1-q22.3	50	94.40
ARHGAP5	186.45	chr14	14q12	53	125.07
SEC13	186.42	chr3	3p25-p24	51	102.89
M6PR	186.29	chr12	12p13	42	164.88
TULP4	186.15	chr6	6q25-q26	63	274.39
P4HA1	186.14	chr10	10q21.3-q23.1	43	188.25
LOC100289333	186.12	chr19	19p13.2	1	0.00
SLC27A1	186.02	chr19	19p13.11	38	79.57

ECHDC2	186.00	chr1	1p32.3	66	138.40
ZNF532	185.97	chr18	18q21.32	48	231.93
PFDN2	185.87	chr1	1q23.3	38	105.64
PALMD	185.83	chr1	1p22-p21	64	129.87
PKD2	185.70	chr17	17q21.33	37	66.64
CHURC1	185.69	chr14	14q23.3	40	82.84
CETN2	185.67	chrX	Xq28	28	120.98
SRPR	185.62	chr11	11q24.2	45	119.93
ADRM1	185.60	chr20	20q13.33	43	89.87
LATS1	185.54	chr6	6q25.1	27	267.37
TYRP1	185.54	chr9	9p23	45	156.41
TOMM6	185.50	chr6	6p21.1	13	90.68
PAM16	185.41	chr16	16p13.3	25	97.83
RAB5B	185.40	chr12	12q13	42	186.72
EFEMP2	185.39	chr11	11q13.1	35	92.06
Hs.602431	185.28	chr12	N/A	7	88.02
MRPS28	185.27	chr8	8q21.1-q21.2	35	82.29
ZNF169	185.14	chr9	9q22.32	37	172.90
TGFBRAP1	185.08	chr2	2q12.1	35	477.04
MYO18A	185.03	chr17	17q11.2	28	118.84
MCEE	184.85	chr2	2p13.3	26	108.32
Hs.593351	184.82	chr7	N/A	8	50.26
QSOX1	184.76	chr1	1q24	40	109.50
MICU2	184.63	chr13	13q12.11	29	83.25
SEPP1	184.61	chr5	5q31	60	149.78
PSMB2	184.46	chr1	1p34.2	61	108.60
TOMM5	184.40	chr9	9p13.2	25	46.76
HTATSF1	184.36	chrX	Xq26.3	38	87.70
CIQTNF1	184.29	chr17	17q25.3	45	251.65
CSDC2	184.26	chr22	22q13.2	40	100.28
DPYSL3	184.22	chr5	5q32	45	127.43
FDPS	184.16	chr1	1q22	40	98.45
FEM1A	183.99	chr19	19p13.3	56	160.56
COPS4	183.98	chr4	4q21.22	46	99.30
MRPS26	183.97	chr20	20p13	35	80.19
Hs.732044	183.89	chr9	N/A	7	250.67
MFAP4	183.87	chr17	17p11.2	33	92.28
MED4	183.84	chr13	13q14.2	26	101.40
LOC100507560	183.82	chr12	N/A	15	129.58
Hs.642796	183.65	chr4	N/A	5	88.44
EFTUD2	183.61	chr17	17q21.31	32	75.28
Hs.598667	183.59	chrX	N/A	7	49.27
SMARCD3	183.51	chr7	7q35-q36	39	92.35
COL15A1	183.34	chr9	9q21-q22	33	125.41
CTSA	183.27	chr20	20q13.1	38	62.29
FCN3	183.22	chr1	1p36.11	33	132.21
EIF3B	183.14	chr7	7p22.3	69	165.16
DUT	183.10	chr15	15q21.1	59	97.79
NHP2	183.08	chr5	5q35.3	40	72.69
SYNPO	182.84	chr5	5q33.1	57	93.02
CCDC80	182.79	chr3	3q13.2	57	192.08
FAM13A-AS1	182.58	chr4	4q22.1	18	137.96
ZNF219	182.41	chr14	14q11	41	88.15
B3GALT2	182.40	chr1	1q31	45	225.70
COQ3	182.39	chr6	6q16.2	26	115.96
TMX4	182.39	chr20	20p12	107	142.55
ATXN7L2	182.32	chr1	1p13.3	31	210.42
RUVBL2	182.29	chr19	19q13.3	29	103.45
Hs.595793	182.27	chr2	N/A	7	74.63
CCL15	182.27	chr17	17q11.2	46	562.99
Hs.666304	182.22	chr10	N/A	14	111.26
RHOD	182.19	chr11	11q14.3	35	142.39
PGM5	182.14	chr9	9q13	87	213.83
CLDN5	182.10	chr22	22q11.21	38	95.80
Hs.718690	181.87	chr6	N/A	7	212.76
KLF9	181.69	chr9	9q13	48	124.32

EFR3A	181.61	chr8	8q24.22	40	82.78
APOE	181.60	chr19	19q13.2	95	122.17
LMBRD1	181.48	chr6	6q13	32	71.58
ZNF330	181.42	chr4	4q31.21	47	88.45
BCKDK	181.42	chr16	16p11.2	39	163.83
SIPA1L2	181.20	chr1	1q42.2	39	87.80
CTSD	180.89	chr11	11p15.5	34	184.01
ERLEC1	180.84	chr2	2p16.2	35	148.38
TSEN34	180.76	chr19	19q13.4	31	72.37
LAMTOR2	180.74	chr1	1q22	38	45.83
NFIL3	180.74	chr9	9q22	30	85.71
PGRMC2	180.66	chr4	4q26	60	120.59
SLC6A8	180.36	chrX	Xq28	63	95.58
KPNA4	180.35	chr3	3q25.33	84	197.21
ZMIZ1	180.31	chr10	10q22.3	37	132.34
RRAGD	180.29	chr6	6q15-q16	56	137.19
CYP4B1	180.29	chr1	1p34-p12	38	189.00
C19orf73	180.20	chr19	19q13.33	30	169.96
VEZT	180.20	chr12	12q22	48	232.15
Hs.659608	180.18	chr5	N/A	7	101.50
CES2	180.06	chr16	16q22.1	58	109.23
ADH5	180.02	chr4	4q23	57	95.10
RNF150	180.02	chr4	4q31.21	27	152.54
AGAP6	179.97	chr10	10q11.23	6	30.29
RPN2	179.88	chr20	20q12-q13.1	70	153.69
FAM69A	179.84	chr1	1p22.1	38	246.79
PYCR2	179.66	chr1	1q42.12	37	101.82
SLC29A1	179.65	chr6	6p21.1	55	95.25
ACO1	179.62	chr9	9p21.1	61	152.95
Hs.603292	179.54	chr18	N/A	2	14.62
PLEKHM2	179.45	chr1	1p36.21	33	166.82
HNRNPD	179.44	chr4	4q21	97	173.62
ABCC1	179.05	chr16	16p13.1	52	179.93
NPDC1	179.05	chr9	9q34.3	28	84.23
SYPL1	179.04	chr7	7q22.3	51	129.19
CHCHD4	178.98	chr3	3p25.1	19	70.38
CPNE1	178.97	chr20	20q11.22	46	246.93
Hs.713084	178.91	chr11	N/A	1	0.00
TXNL4A	178.91	chr18	18q23	47	73.70
Hs.660923	178.81	chr15	N/A	7	50.19
NSMCE1	178.79	chr16	16p12.1	23	124.01
NDUF4F1	178.70	chr15	15q11.2-q21.3	32	74.91
LOC100506476	178.68	chr14	N/A	21	104.58
Hs.714430	178.66	chr1	N/A	7	128.84
TIA1	178.43	chr2	2p13	109	280.81
HCFC1R1	178.37	chr16	16p13.3	36	101.55
CASC3	178.32	chr17	17q21.1	47	68.69
VPS29	178.32	chr12	12q24	43	75.50
MRPL23	178.24	chr11	11p15.5	31	86.51
CD93	178.20	chr20	20p11.21	59	158.55
SCARA5	178.10	chr8	8p21.1	43	107.30
Hs.703413	178.10	chr1	N/A	3	1.45
RBM5	178.07	chr3	3p21.3	83	129.69
DHRS4	178.07	chr14	14q11.2	30	126.82
Hs.666441	177.97	chr3	N/A	7	30.63
ABCD3	177.93	chr1	1p21.3	59	129.23
Hs.494977	177.64	chr9	N/A	7	98.34
Hs.70937	177.62	chr6	N/A	5	190.57
GMPR	177.57	chr6	6p23	30	118.73
C3orf43	177.51	chr3	3q29	1	0.00
COL4A1	177.48	chr13	13q34	80	253.93
GPR150	177.45	chr5	5q15	14	115.95
Hs.714993	177.39	chr7	N/A	11	44.47
PPP1R15A	177.34	chr19	19q13.2	35	185.26
Hs.36915	177.12	chr15	N/A	7	96.17
Hs.705877	177.09	chr19	N/A	21	173.89

ANKRD46	176.99	chr8	8q22.2	30	172.72
REPIN1	176.92	chr7	7q36.1	46	112.34
Hs.602907	176.90	chr18	N/A	3	4.23
DNM1L	176.81	chr12	12p11.21	72	180.90
GAP43	176.64	chr3	3q13.1-q13.2	43	592.75
Hs.621726	176.62	chr19	N/A	3	0.88
STX12	176.60	chr1	1p35.3	37	285.14
Hs.713776	176.54	chr2	N/A	3	0.28
MLEC	176.53	chr12	12q24.31	73	142.93
AZIN1	176.29	chr8	8q22.3	62	242.06
SLC6A19	176.27	chr5	5p15.33	49	241.94
Hs.516790	176.16	chr1	N/A	14	140.27
Hs.721282	176.05	chr17	N/A	14	128.57
CLSTN1	176.03	chr1	1p36.22	41	140.81
MTCP1	175.95	chrX	Xq28	24	142.67
REV1	175.85	chr2	2q11.1-q11.2	62	193.26
Hs.592557	175.83	chr2	N/A	9	245.32
Hs.569174	175.65	chr12	N/A	12	70.86
IL8	175.65	chr4	4q13-q21	40	441.59
ZFP64	175.60	chr20	20q13.2	71	709.47
POLR1D	175.54	chr13	13q12.2	70	171.30
ARMC9	175.45	chr2	2q37.1	77	579.66
PTBP1	175.45	chr19	19p13.3	61	175.85
SDHAF2	175.44	chr11	11q12.2	23	93.56
CSNK1E	175.43	chr22	22q13.1	83	140.00
GSPT1	175.29	chr16	16p13.1	82	149.09
TCF4	175.20	chr18	18q21.1	163	246.02
C7orf50	175.18	chr7	7p22.3	57	192.89
MARCKS	175.17	chr6	6q22.2	63	212.94
ZYG11B	175.16	chr1	1p32.3	86	175.20
IGF2R	175.10	chr6	6q26	43	139.85
Hs.703099	175.10	chr16	N/A	15	128.48
YY1AP1	175.04	chr1	1q22	42	88.72
GNL3	174.96	chr3	3p21.1	45	134.30
ENY2	174.95	chr8	8q23.1	47	102.73
CAMLG	174.90	chr5	5q23	47	149.99
RNF5	174.90	chr6	6p21.3	65	66.62
Hs.576875	174.73	chr10	N/A	8	26.12
Hs.660491	174.69	chr4	N/A	8	112.58
Hs.745193	174.65	chr17	N/A	7	38.22
PHLDB2	174.65	chr3	3q13.2	86	212.10
RSAD1	174.64	chr17	17q21.33	27	135.41
TRAP1	174.53	chr16	16p13.3	31	83.11
CHD4	174.49	chr12	12p13	50	107.31
DYNC1H1	174.44	chr14	14q32	48	132.66
LOC100507217	174.43	chr15	N/A	29	159.99
Hs.593418	174.38	chr10	N/A	5	122.83
SDCBP	174.36	chr8	8q12	67	123.13
Hs.603809	174.34	chr4	N/A	7	64.04
JAGN1	174.08	chr3	3p25.2	21	118.13
LOC439951	174.05	chr10	10p14	14	70.47
MGLL	174.00	chr3	3q21.3	51	102.44
NNMT	173.88	chr11	11q23.1	36	79.49
KLF6	173.87	chr10	10p15	100	157.34
MRPL52	173.85	chr14	14q11.2	39	226.22
Hs.723424	173.73	chr1	N/A	10	94.94
ACTN1	173.58	chr14	14q22-q24	58	141.98
NFIB	173.56	chr9	9p24.1	80	140.54
MTMR14	173.43	chr3	3p26	45	100.75
STK40	173.41	chr1	1p34.3	46	153.88
EIF2AK1	173.36	chr7	7p22	64	227.10
FBXO18	173.27	chr10	10p15.1	30	157.17
ERCC3	173.05	chr2	2q21	30	143.40
Hs.733359	173.01	chr1	N/A	7	147.06
FLJ20464	172.82	chr22	22q12.2	33	374.46
NUDT8	172.77	chr11	11q13.2	17	99.95

GOLPH3	172.74	chr5	5p13.3	42	97.43
Hs.598295	172.73	chr2	N/A	7	36.83
MAPRE2	172.71	chr18	18q12.1	69	127.40
TIMM10	172.68	chr11	11q12.1-q12.3	29	51.08
Hs.729617	172.61	chr3	N/A	3	52.63
CPEB4	172.51	chr5	5q21	72	115.54
CRELD1	172.46	chr3	3p25.3	39	98.15
WIPI1	172.45	chr17	17q24.2	35	81.58
TP53INP2	172.39	chr20	20q11.22	28	187.15
TMEM182	172.29	chr2	2q12.1	39	114.03
Hs.720524	172.24	chr2	N/A	7	137.33
ANAPC13	172.24	chr3	3q22.2	35	143.15
LENG8	172.22	chr19	19q13.42	39	157.19
TOMM20	172.18	chr1	1q42	35	84.70
LILRB3	172.10	chr19	19q13.4	67	394.03
GTF2A2	172.05	chr15	15q22.2	41	91.63
NENF	172.01	chr1	1q32.3	57	146.41
C19orf60	171.97	chr19	19p13.11	30	95.26
USP7	171.79	chr16	16p13.3	52	109.84
Hs.596054	171.65	chr2	N/A	3	5.12
ITIH5	171.61	chr10	10p14	100	490.37
RPA2	171.57	chr1	1p35	40	71.28
IGH	171.53	chr14	14q32.33	108	248.58
NRD1	171.47	chr1	1p32.2-p32.1	62	127.67
SCARB2	171.27	chr4	4q21.1	75	134.83
CPQ	171.26	chr8	8q22.2	40	128.92
HIPK2	171.04	chr7	7q32-q34	101	148.95
PARM1	171.02	chr4	4q13.3-q21.3	58	135.57
Hs.697252	170.86	chr2	N/A	7	96.03
BNIP2	170.84	chr15	15q22.2	33	101.05
Hs.642990	170.81	chr2	N/A	3	10.06
AP3D1	170.74	chr19	19p13.3	57	110.34
Hs.593163	170.73	chr2	N/A	15	120.78
PHOX2A	170.72	chr11	11q13.2	21	131.94
MRPS5	170.66	chr2	2p11.2-q11.2	43	179.82
LIPE	170.60	chr19	19q13.2	39	111.54
LDHD	170.58	chr16	16q23.1	29	140.12
ATP1B3	170.49	chr3	3q23	62	111.58
OTUD1	170.38	chr10	10p12.2	38	94.89
KLHL24	170.32	chr3	3q27.1	71	157.59
MRPL39	170.25	chr21	21q21.3	39	80.38
PDCD7	170.10	chr15	15q22.31	40	228.32
SELENBP1	170.05	chr1	1q21.3	48	102.95
NR4A1	169.92	chr12	12q13	63	154.39
LGMN	169.91	chr14	14q32.1	33	99.50
TMX2	169.88	chr11	11cen-q22.3	34	104.98
ZFAND6	169.87	chr15	15q25.1	30	69.21
UBA1	169.65	chrX	Xp11.23	51	167.82
CLTC	169.61	chr17	17q11-qter	43	126.87
BNIP3L	169.30	chr8	8p21	55	120.38
EIF3F	169.08	chr11	11p15.4	83	153.42
FAM58A	169.06	chrX	Xq28	41	45.14
RBM6	169.02	chr3	3p21.3	46	248.77
AIFM1	169.02	chrX	Xq26.1	56	117.70
PYURF	168.97	chr4	4q	30	52.46
TBC1D9B	168.83	chr5	5q35.3	70	281.80
Hs.720113	168.79	chrX	N/A	7	134.67
YARS	168.73	chr1	1p35.1	66	225.18
Hs.612496	168.56	chr5	N/A	5	100.99
UBE2D4	168.48	chr7	7p13	55	110.33
SF3B1	168.39	chr2	2q33.1	78	166.92
Hs.743484	168.32	chr5	N/A	7	62.78
DDX47	168.31	chr12	12p13.1	31	86.36
CTSF	168.18	chr11	11q13	35	83.15
PLEKHO1	168.15	chr1	1q21.2	28	124.95
Hs.596034	168.10	chr20	N/A	7	100.14

RAN	168.07	chr12	12q24.3	54	126.92
SF3B14	167.71	chr2	2pter-p25.1	37	124.64
HMOX2	167.70	chr16	16p13.3	51	102.61
FNTA	167.67	chr8	8p11	66	141.69
IST1	167.67	chr16	16q22.2	51	89.91
CKAP4	167.57	chr12	12q23.3	36	107.71
NNAT	167.48	chr20	20q11.2-q12	33	439.32
STAT3	167.27	chr17	17q21.31	112	145.67
LOC100505828	167.26	chr1	N/A	1	0.00
TRAK2	167.21	chr2	2q33	87	119.03
PRND	167.16	chr20	20pter-p12	49	668.63
CRY2	167.15	chr11	11p11.2	50	117.21
PPP2R5A	167.14	chr1	1q32.2-q32.3	64	150.34
Hs.568066	166.95	chr15	N/A	8	10.83
FKBP9L	166.91	chr7	7p11.1	16	202.90
C6	166.88	chr5	5p13	30	59.33
CHCHD3	166.86	chr7	7q33	59	144.33
Hs.740757	166.79	chr1	N/A	10	59.84
OR13J1	166.70	chr9	9p13.3	8	82.76
GPS2	166.67	chr17	17p13	30	94.03
Hs.662927	166.67	chr13	N/A	7	250.77
SETD3	166.64	chr14	14q32.2	47	148.63
Hs.728339	166.57	chr11	N/A	3	5.59
Hs.644654	166.49	chr2	N/A	7	78.56
SYNDIG1	166.44	chr20	20p11.21	21	53.47
SERPINA3	166.34	chr14	14q32.1	72	226.10
BLVRB	166.29	chr19	19q13.1-q13.2	38	122.44
LAMA4	166.27	chr6	6q21	78	141.18
Hs.667406	166.26	chr6	N/A	7	58.69
PABPC3	166.13	chr13	13q12-q13	24	96.16
RCN2	166.10	chr15	15q23	40	143.34
EIF4A3	166.06	chr17	17q25.3	28	69.36
DPH1	166.00	chr17	17p13.3	53	166.49
Hs.663273	165.96	chr6	N/A	7	141.70
IGBP1	165.93	chrX	Xq13.1-q13.3	40	79.98
TMEM143	165.72	chr19	19q13.33	29	103.54
IFI27L2	165.71	chr14	14q32.12	17	45.11
PMPCB	165.62	chr7	7q22.1	38	74.24
PAIP1	165.59	chr5	5p12	66	131.89
CALU	165.47	chr7	7q32.1	40	115.13
LYPLAL1	165.31	chr1	1q41	30	68.47
MRPL35	165.21	chr2	2p11.2	63	79.85
MIR1244-1	165.13	chr2	N/A	5	93.21
CMC4	164.98	chrX	Xq28	25	65.54
RBPMS	164.95	chr8	8p12	107	136.33
CDC42EP4	164.90	chr17	17q24-q25	48	147.82
Hs.142505	164.77	chr10	N/A	21	123.79
SSNA1	164.75	chr9	9q34.3	42	118.27
ANK1	164.72	chr8	8p11.1	94	162.32
Hs.660246	164.72	chr4	N/A	14	99.98
TMEM239	164.65	chr20	20p13	12	65.93
COPB1	164.64	chr11	11p15.2	43	139.58
TTC1	164.52	chr5	5q33.3	30	66.28
MAP2K1	164.50	chr15	15q22.1-q22.33	32	74.78
CDH5	164.46	chr16	16q22.1	42	117.38
FLII	164.40	chr17	17p11.2	41	64.31
MRPS18C	164.40	chr4	4q21.23	33	77.38
LCE2D	164.37	chr1	1q21.3	13	78.18
MBTPS1	164.37	chr16	16q24	58	99.04
Hs.720279	164.29	chr7	N/A	16	325.83
Hs.714164	164.15	chr6	N/A	3	3.41
BABAM1	164.13	chr19	19p13.11	24	60.15
AKR1D1	164.10	chr7	7q32-q33	36	325.23
GNS	164.00	chr12	12q14	58	283.07
RNPS1	163.98	chr16	16p13.3	56	114.90
ZNF91	163.91	chr19	19p12	28	173.30

CDIPT	163.91	chr16	16p11.2	38	118.97
C6orf136	163.84	chr6	6p21.33	27	138.52
ADD3	163.84	chr10	10q25.2	74	133.76
COL18A1	163.84	chr21	21q22.3	48	104.59
RBMS1	163.77	chr2	2q24.2	104	180.25
EBP	163.73	chrX	Xp11.23-p11.22	41	83.16
CARM1	163.62	chr19	19p13.2	15	152.89
PLK2	163.61	chr5	5q12.1-q13.2	30	96.31
TCERG1	163.59	chr5	5q31	45	219.04
SLC35A4	163.56	chr5	5q31.3	26	138.86
BOLA2B	163.51	chr16	16p11.2	10	59.22
CERS6	163.49	chr2	2q24.3	68	151.78
UBE2A	163.45	chrX	Xq24	57	109.55
GCSH	163.45	chr16	16q23.2	33	88.90
RHOG	163.42	chr11	11p15.5-p15.4	38	123.50
MCCC1	163.29	chr3	3q27	30	75.85
Hs.656822	163.17	chr5	N/A	7	74.75
Hs.62930	163.14	chr5	N/A	10	294.73
LOC100129931	163.13	chr4	4p16.1	7	54.71
APMAP	163.10	chr20	20p11.2	47	95.56
ZRANB2	163.08	chr1	1p31	54	218.03
MRPL28	163.06	chr16	16p13.3	32	56.15
PSMG2	163.05	chr18	18p11.21	37	115.58
Hs.670607	163.00	chr4	N/A	5	121.11
POLD4	162.99	chr11	11q13	40	78.35
Hs.694927	162.95	chr5	N/A	2	23.24
Hs.731919	162.90	chr8	N/A	5	214.31
RAB18	162.90	chr10	10p12.1	43	113.28
SCOC	162.81	chr4	4q31.1	35	148.13
Hs.643780	162.79	chr17	N/A	7	103.06
TRIM8	162.76	chr10	10q24.3	42	136.00
SLC12A9	162.76	chr7	7q22	40	135.34
NME3	162.73	chr16	16q13.3	32	63.25
Hs.715765	162.67	chr3	N/A	11	114.59
CCT6A	162.56	chr7	7p11.2	48	57.42
ZNF24	162.42	chr18	18q12	92	119.18
ZMPSTE24	162.39	chr1	1p34	28	80.16
RBMX	162.35	chrX	Xq26.3	86	157.56
C1orf85	162.25	chr1	1q22	26	182.92
POP7	162.19	chr7	7q22	30	90.27
WEE1	161.92	chr11	11p15.3-p15.1	37	134.86
Hs.714423	161.89	chr14	N/A	7	55.27
Hs.718479	161.82	chr15	N/A	14	133.42
NBR1	161.78	chr17	17q21.31	40	126.31
C7orf73	161.75	chr7	7q33	28	122.95
MSRB3	161.73	chr12	12q14.3	60	123.13
COPS8	161.69	chr2	2q37.3	57	113.06
DAG1	161.54	chr3	3p21	48	116.23
OR4D1	161.52	chr17	17q23.2	10	155.21
COX19	161.40	chr7	7p22.3	45	561.26
STX8	161.38	chr17	17p12	38	155.52
MCM3	161.36	chr6	6p12	46	104.53
AKR1C3	161.26	chr10	10p15-p14	25	82.84
CTBP1	161.17	chr4	4p16	98	129.09
ARL8B	161.02	chr3	3p26.1	39	81.41
PNRC2	161.00	chr1	1p36.11	38	119.10
CELF5	161.00	chr19	19p13	32	175.06
LOC100652824	160.94	chr2	2q33.1	27	146.95
YIF1A	160.84	chr11	11q13	30	74.92
Hs.706997	160.82	chr12	N/A	7	56.57
CORO6	160.49	chr17	17q11.2	28	106.68
CHP1	160.32	chr15	15q13.3	63	130.74
ZMYND11	160.31	chr10	10p14	65	149.93
ATP1A3	160.30	chr19	19q13.31	28	133.87
TNIP1	160.25	chr5	5q32-q33.1	43	103.52
SRM	160.25	chr1	1p36-p22	32	90.50

SMIM19	160.22	chr8	8p11.21	24	80.83
Hs.74563	160.15	chr15	N/A	3	10.81
RHBDL1	160.13	chr16	16p13.3	23	115.53
POLR3H	160.12	chr22	22q13.2	56	199.34
COL1A1	160.08	chr17	17q21.33	73	124.96
PRPF8	160.01	chr17	17p13.3	45	102.02
CERS2	160.00	chr1	1q21.3	31	107.54
ARIH2	159.96	chr3	3p21	93	104.51
ITGB5	159.92	chr3	3q21.2	66	145.79
GAA	159.87	chr17	17q25.2-q25.3	33	60.03
UNG	159.84	chr12	12q23-q24.1	51	190.03
BCL2L2	159.82	chr14	14q11.2-q12	31	66.15
KIF5C	159.82	chr2	2q23.1	34	526.50
Hs.644993	159.77	chr15	N/A	3	3.26
LRIG1	159.77	chr3	3p14	54	138.00
TCP1	159.73	chr6	6q25.3-q26	49	99.72
NCKAP5L	159.68	chr12	12q13.12	17	53.89
IMP4	159.55	chr2	2q21.1	32	103.80
IDH3G	159.54	chrX	Xq28	38	107.00
PIGL	159.51	chr17	17p12-p11.2	47	260.49
Hs.682295	159.50	chr12	N/A	5	95.45
Hs.714410	159.43	chr7	N/A	7	66.41
CCT2	159.39	chr12	12q15	42	128.00
SH3D19	159.39	chr4	4q31.3	35	87.39
DTNA	159.36	chr18	18q12	122	257.53
TIAM1	159.35	chr21	21q22.11	59	610.06
GPBP1	159.21	chr5	5q11.2	63	304.62
ATP10B	159.20	chr5	5q34	35	126.84
ZNF706	159.19	chr8	8q22.3	48	82.55
WDR82	159.17	chr3	3p21.2	56	121.20
LRRC2	159.16	chr3	3p21.31	52	108.84
MRPL1	159.12	chr4	4q21.1	33	109.10
C1orf198	159.12	chr1	1q42.2	43	131.67
ALAS1	159.05	chr3	3p21.1	46	108.93
HMGN1	159.04	chr21	21q22.2	87	102.05
DNAJB2	159.02	chr2	2q32-q34	46	129.52
CLTA	158.95	chr9	9p13	56	77.01
PMVK	158.90	chr1	1q22	30	47.81
SEP15	158.80	chr1	1p31	40	141.71
MRFAP1L1	158.62	chr4	4p16.1	48	95.09
CBWD5	158.57	chr9	9q21.11	45	86.29
CALCOCO2	158.51	chr17	17q21.32	52	93.82
CCT5	158.43	chr5	5p15.2	48	132.61
AIF1L	158.37	chr9	9q34.13-q34.3	36	63.31
Hs.597688	158.30	chr4	N/A	10	206.89
RBM3	158.23	chrX	Xp11.2	41	111.87
SRP68	158.20	chr17	17q25.1	50	121.66
HYAL1	158.15	chr3	3p21.3-p21.2	51	152.22
KIF2C	158.12	chr1	1p34.1	32	193.90
OSTC	158.08	chr4	4q25	34	99.13
CDAN1	158.02	chr15	15q15.2	30	253.91
MKRN1	158.01	chr7	7q34	64	154.17
PXMP2	157.92	chr12	12q24.33	44	108.77
FMOD	157.91	chr1	1q32	30	116.33
PSMD11	157.89	chr17	17q11.2	79	119.77
NBPF8	157.86	chr1	1q21.1	7	63.32
TSPAN17	157.83	chr5	5q35.3	32	166.19
RBP7	157.61	chr1	1p36.22	33	60.31
PDGFRB	157.58	chr5	5q33.1	57	138.33
TMEM164	157.55	chrX	Xq22.3	35	71.30
PUM1	157.52	chr1	1p35.2	66	121.51
YPEL3	157.48	chr16	16p11.2	40	185.64
SMIM7	157.46	chr19	19p13.11	65	180.18
SNRPE	157.40	chr1	1q32	49	124.94
SPATA2L	157.38	chr16	16q24.3	35	135.75
HEY2	157.28	chr6	6q21	42	130.20

Hs.703167	157.24	chr19	N/A	14	65.67
Hs.596971	157.21	chrX	N/A	3	8.35
SERTAD1	157.21	chr19	19q13.1-q13.2	26	141.79
DNAJA2	157.17	chr16	16q12.1	45	118.55
AIP	157.11	chr11	11q13.3	45	75.77
Hs.604083	157.03	chr8	N/A	7	103.76
Hs.6799	157.03	chr15	N/A	8	147.49
PTPN12	156.89	chr7	7q11.23	43	150.94
Hs.697570	156.88	chr2	N/A	15	179.21
Hs.708526	156.85	chr14	N/A	1	0.00
COL21A1	156.84	chr6	6p12.3-p11.2	37	173.81
FAM193B	156.83	chr5	5q35.3	48	284.34
Hs.593672	156.83	chr12	N/A	8	114.60
MIR22HG	156.79	chr17	17p13.3	33	75.08
ARAF	156.75	chrX	Xp11.4-p11.2	47	118.62
METAP1	156.72	chr4	4q23	42	117.27
PPID	156.68	chr4	4q31.3	58	119.29
TMEM126B	156.66	chr11	11q14.1	35	84.06
RBFOX1	156.61	chr16	16p13.3	66	135.18
C19orf43	156.59	chr19	19p13.2	47	189.46
PSMC6	156.46	chr14	14q22.1	81	91.75
ACTR1A	156.44	chr10	10q24.32	67	106.61
NINJ1	156.34	chr9	9q22	30	68.74
LMO7	156.25	chr13	13q22.2	73	129.53
UBE2I	156.21	chr16	16p13.3	70	129.94
KLHDC3	156.12	chr6	6p21.1	45	132.07
TMEM173	156.09	chr5	5q31.2	22	85.99
SMARCD2	156.02	chr17	17q23-q24	34	211.63
HDDC2	155.99	chr6	6q13-q24.3	40	136.90
LYRM1	155.89	chr16	16p11.2	28	121.46
TMEM245	155.86	chr9	9q31	88	151.38
GPAA1	155.71	chr8	8q24.3	40	103.99
NSG1	155.71	chr4	4p16.3	43	248.60
UCP2	155.63	chr17	11q13	35	129.52
TRAPPC1	155.59	chr17	17p13.1	26	105.99
XRCC5	155.52	chr2	2q35	66	249.85
IGFBP6	155.50	chr12	12q13	30	72.36
MOCS2	155.47	chr5	5q11	34	126.29
PPP1R18	155.45	chr6	6p21.3	23	143.65
PSMD12	155.37	chr17	17q24.2	54	173.79
POMGNT1	155.36	chr1	1p34.1	29	108.64
NAPA	155.30	chr19	19q13.33	38	167.33
LTA4H	155.28	chr12	12q22	30	73.94
PEX12	155.25	chr17	17q12	41	148.71
Hs.657764	155.23	chr3	N/A	8	111.09
KLHL21	155.21	chr1	1p36.31	47	86.08
PET112	155.18	chr4	4q31.3	29	82.92
ODF3L2	155.10	chr19	19p13.3	27	187.24
FAM120A	155.08	chr9	9q22.31	92	148.62
ATIC	155.07	chr2	2q35	23	105.10
CYP1B1	155.02	chr2	2p22.2	56	137.47
STK24	154.84	chr13	13q31.2-q32.3	84	205.36
LOC440704	154.84	chr1	1q31.1-q31.2	4	64.09
MTHFD2	154.82	chr2	2p13.1	43	179.56
SH3BGR	154.75	chr21	21q22.3	32	90.77
CTDNEP1	154.73	chr17	17p13	22	87.54
HSDL2	154.71	chr9	9q32	48	137.07
SPATS2L	154.67	chr2	2q33.1	45	102.68
EBNA1BP2	154.62	chr1	1p35-p33	30	122.99
MAP2K7	154.59	chr19	19p13.3-p13.2	59	224.49
FERMT2	154.58	chr14	14q22.1	47	108.92
SIDT2	154.43	chr11	11q23.3	33	89.68
CCDC130	154.42	chr19	19p13.2	30	104.99
ZYX	154.38	chr7	7q32	31	82.90
SUPT4H1	154.38	chr17	17q21-q23	52	134.39
RCAN1	154.34	chr21	21q22.12	48	142.40

PRPSAP1	154.31	chr17	17q24-q25	31	76.63
Hs.743773	154.27	chr17	N/A	5	166.56
MURC	154.23	chr9	9q31.1	3	4.09
COG4	154.11	chr16	16q22.1	37	139.68
TFF1	154.09	chr21	21q22.3	45	198.45
COL6A1	154.05	chr21	21q22.3	138	187.93
PRKAA2	154.02	chr1	1p31	75	244.88
Hs.562001	154.01	chr16	N/A	1	0.00
UBA3	153.88	chr3	3p24.3-p13	33	200.24
AGPAT9	153.80	chr4	4q21.23	29	70.71
Hs.561570	153.79	chr6	N/A	7	205.76
H1FO	153.71	chr22	22q13.1	48	145.76
SERPINH1	153.63	chr11	11q13.5	40	233.77
TOM1L2	153.62	chr17	17p11.2	63	151.36
EFEMP1	153.62	chr2	2p16	57	132.63
FLJ22184	153.57	chr19	19p13.2	20	134.01
RAB1A	153.55	chr2	2p14	66	108.41
Hs.702264	153.54	chr8	N/A	17	131.30
PACSIN3	153.45	chr11	11p12-p11.12	21	146.45
OS9	153.43	chr12	12q13	45	90.69
ACAT2	153.42	chr6	6q25.3	61	271.02
FIBP	153.41	chr11	11q13.1	43	99.58
SOD3	153.39	chr4	4p15.2	35	92.20
SYF2	153.33	chr1	1p36.11	54	165.67
Hs.658732	153.31	chr4	N/A	14	205.00
ZNF860	153.22	chr3	3p23	7	177.24
HECTD1	153.18	chr14	14q12	54	129.52
EMG1	153.18	chr12	12p13.3	38	76.92
MRPL50	153.15	chr9	9q31.1	28	61.20
PSMB10	153.11	chr16	16q22.1	45	127.77
LARP7	152.98	chr4	4q25	51	128.19
PHF1	152.89	chr6	6p21.3	46	112.16
LOC550643	152.88	chrX	Xp11.1	43	105.00
COQ6	152.86	chr14	14q24.3	34	120.85
AKR1A1	152.75	chr1	1p33-p32	47	99.32
SLC39A13	152.72	chr11	11p11.2	28	98.15
Hs.657243	152.68	chr15	N/A	2	49.62
ACAD9	152.67	chr3	3q21.3	39	131.24
LRRC49	152.59	chr15	15q23	31	51.59
MUT	152.59	chr6	6p12.3	50	118.51
Hs.540469	152.55	chr16	N/A	10	80.34
EMD	152.51	chrX	Xq28	28	121.25
CCDC53	152.50	chr12	12q23.2	28	116.64
Hs.406184	152.43	chr12	N/A	7	68.34
METTL1	152.19	chr12	12q13	46	217.36
TMEM50A	152.17	chr1	1p36.11	55	137.52
TNC	152.06	chr9	9q33	65	303.57
CDC123	151.99	chr10	10p13	30	81.65
OTOF	151.90	chr2	2p23.1	49	218.35
Hs.680526	151.89	chr1	N/A	2	23.31
Hs.602604	151.83	chr20	N/A	7	47.78
DLST	151.79	chr14	14q24.3	42	85.09
CFB	151.77	chr6	6p21.3	42	356.88
FEZ2	151.75	chr2	2p21	53	123.72
R3HDM2	151.74	chr12	12q13.3	50	131.52
NBL1	151.72	chr1	1p36.13	38	105.63
RPL22L1	151.66	chr3	3q26.2	21	92.87
Hs.598011	151.65	chr15	N/A	7	152.62
SMS	151.62	chrX	Xp22.1	43	104.44
PLEKHA1	151.51	chr10	10q26.13	49	68.83
Hs.592625	151.50	chr7	N/A	21	82.09
Hs.741642	151.42	chr12	N/A	12	103.20
Hs.3353	151.36	chr5	N/A	8	53.23
PAGR1	151.36	chr16	16p11.2	34	136.25
Hs.590590	151.31	chr8	N/A	7	46.92
RPS19BP1	151.31	chr22	22q13.1	19	59.82

Hs.662983	151.29	chr15	N/A	7	46.46
TMEM176A	151.22	chr7	7q36.1	21	108.59
GAMT	151.16	chr19	19p13.3	51	106.70
OXSRI	151.15	chr3	3p22.2	45	122.33
HDAC1	151.14	chr1	1p34	50	114.22
LCMT1	151.11	chr16	16p12.1	34	66.76
CREBBP	151.10	chr16	16p13.3	117	853.56
SUPT5H	151.07	chr19	19q13	37	100.96
TACC1	151.02	chr8	8p11.22	98	146.78
EMP2	150.99	chr16	16p13.2	60	85.37
BOD1	150.95	chr5	5q35.2	45	130.95
MORF4	150.93	chr4	4q34.1	21	100.89
ADIPOR2	150.92	chr12	12p13.31	33	84.38
EIF1AX	150.90	chrX	Xp22.12	70	118.31
NAMPT	150.86	chr7	7q22.3	68	114.25
ESD	150.84	chr13	13q14.1-q14.2	62	152.47
CDH13	150.83	chr16	16q23.3	45	79.71
Hs.732516	150.79	chr3	N/A	21	121.50
FKBP5	150.74	chr6	6p21.31	66	170.48
SCAMP3	150.62	chr1	1q21	38	104.48
HLA-DMA	150.56	chr6	6p21.3	33	117.39
FBXO21	150.53	chr12	12q24.22	47	107.91
OSBPL9	150.49	chr1	1p32.3	34	101.65
Hs.643879	150.48	chr10	N/A	7	37.46
AK2	150.46	chr1	1p34	96	130.89
DDX21	150.44	chr10	10q21	34	101.67
ELAC2	150.23	chr17	17p11.2	71	112.18
C17orf72	150.15	chr17	17q23.3	25	183.03
Hs.660516	150.14	chr5	N/A	8	95.97
Hs.598543	150.11	chr2	N/A	8	126.29
CAP1	150.09	chr1	1p34.2	33	142.59
ZDHHC7	150.08	chr16	16q24.1	45	78.69
FYTTD1	149.99	chr3	3q29	40	62.20
Hs.595430	149.95	chr4	N/A	8	67.76
ACTR1B	149.88	chr2	2q11.1-q11.2	19	71.31
CCDC47	149.88	chr17	17q23.3	70	60.24
SRSF7	149.85	chr2	2p22.1	65	139.43
Hs.737108	149.85	chr13	N/A	7	80.55
C9orf123	149.81	chr9	9p24.1	41	109.47
Hs.98445	149.75	chr3	N/A	3	114.82
Hs.653983	149.71	chr5	N/A	7	107.02
ROGDI	149.70	chr16	16p13.3	21	119.15
ARMCX1	149.69	chrX	Xq21.33-q22.2	31	66.24
SRSF1	149.68	chr17	17q22	79	268.39
PRELID1	149.63	chr5	5q35.3	40	152.00
PREPL	149.61	chr2	2p21	81	184.69
UQCC	149.36	chr20	20q11.22	46	106.29
CKS1B	149.33	chr1	1q21.2	55	134.41
SCPEP1	149.17	chr17	17q22	34	95.87
Hs.16426	149.09	chr7	N/A	5	111.82
CDC26	149.08	chr9	9q32	21	101.68
VPS4A	149.07	chr16	16q22.1	35	113.87
Hs.745088	149.04	chr17	N/A	7	162.36
CHMP3	148.93	chr2	2p11.2	62	107.43
ARGLU1	148.91	chr13	13q33.3	37	110.83
OSBPL1A	148.88	chr18	18q11.1	73	156.17
RN7SK	148.83	chr6	6p12.2	6	79.11
KIAA0101	148.73	chr15	15q22.31	68	411.21
Hs.694911	148.65	chr3	N/A	7	63.94
NDFIP1	148.63	chr5	5q31.3	74	107.53
AQP7	148.46	chr9	9p13	46	119.68
CPT2	148.41	chr1	1p32	40	85.42
WISP2	148.38	chr20	20q13.12	35	91.22
IARS	148.34	chr9	9q21	45	129.83
Hs.598247	148.30	chr8	N/A	12	126.97
TNFRSF1A	148.24	chr12	12p13.2	56	116.40

DERA	148.19	chr12	12p12.3	35	119.93
Hs.706903	148.13	chr6	N/A	7	228.74
PFDN1	148.11	chr5	5q31	41	82.43
FCER1G	148.06	chr1	1q23	38	90.17
OAT	148.02	chr10	10q26	33	89.27
TSPAN12	148.01	chr7	7q31.31	52	203.10
AK4	147.94	chr1	1p31.3	100	147.94
Hs.700958	147.94	chr10	N/A	3	1.35
DUSP23	147.93	chr1	1q23.2	19	95.39
HVCN1	147.87	chr12	12q24.11	24	215.14
PON2	147.86	chr7	7q21.3	46	117.18
MCL1	147.85	chr1	1q21	71	131.26
Hs.662171	147.85	chr2	N/A	1	0.00
IL18BP	147.84	chr11	11q13	55	337.86
THAP4	147.72	chr2	2q37.3	27	78.31
LDOC1L	147.71	chr22	22q13.31	36	127.82
Hs.744461	147.69	chr6	N/A	1	0.00
SRRM1	147.63	chr1	1p36.11	59	129.65
Hs.665968	147.63	chr21	N/A	7	68.75
C18orf25	147.61	chr18	18q21.1	60	495.29
FBXL3	147.55	chr13	13q22	39	162.71
OAZ2	147.50	chr15	15q22.31	36	101.36
TNFRSF12A	147.49	chr16	16p13.3	35	86.52
SGTA	147.49	chr19	19p13	38	121.87
LSM4	147.48	chr19	19p13.11	59	93.48
PLGRKT	147.48	chr9	9p24.1	28	103.76
CNEP1R1	147.43	chr16	16q12.1	37	212.24
ENOPH1	147.35	chr4	4q21.22	29	187.13
NFE2L2	147.29	chr2	2q31	57	145.20
TPM4	147.27	chr19	19p13.1	69	268.31
Hs.708162	147.18	chr6	N/A	7	99.41
PDE2A	147.16	chr11	11q13.4	40	95.36
UFSP2	147.13	chr4	4q35.1	29	70.83
IGF2	147.12	chr11	11p15.5	133	155.35
ZSCAN18	147.07	chr19	19q13.43	49	155.25
RPS6KA1	147.06	chr1	1p	38	273.97
CTR9	147.06	chr11	11p15.3	40	144.08
PCID2	147.02	chr13	13q34	39	152.79
KIAA1279	147.01	chr10	10q22.1	40	126.58
SIVA1	146.99	chr14	14q32.33	53	92.05
CD163	146.97	chr12	12p13.3	48	109.91
MRPL13	146.97	chr8	8q22.1-q22.3	28	66.76
PLOD3	146.96	chr7	7q22	44	100.22
Hs.408470	146.85	chr2	N/A	14	126.25
CCND3	146.73	chr6	6p21	52	168.79
SLC35B2	146.73	chr6	6p12.1-p11.2	30	124.27
TNRC6B	146.65	chr22	22q13.1	139	664.05
HMGCS1	146.64	chr5	5p14-p13	74	537.94
CETN3	146.63	chr5	5q14.3	35	240.74
Hs.718669	146.63	chr5	N/A	7	55.77
PPP1R2	146.63	chr3	3q29	94	129.39
COX20	146.55	chr1	1q44	60	95.88
UBE2D2	146.54	chr5	5q31.2	53	99.64
SHOC2	146.53	chr10	10q25	42	146.22
CHID1	146.53	chr11	11p15.5	50	138.39
POLE4	146.52	chr2	2p12	38	113.67
IFI27L1	146.52	chr14	14q32.12	35	135.93
DPT	146.52	chr1	1q12-q23	61	106.66
GADD45GIP1	146.44	chr19	19p13.2	35	93.45
TMEM55B	146.42	chr14	14q11.2	26	144.97
EIF6	146.28	chr20	20q12	39	66.51
ENDOU	146.27	chr12	12q13.1	48	615.49
FRY	146.26	chr13	13q13.1	56	132.80
Hs.646051	146.18	chr13	N/A	1	0.00
ENG	146.16	chr9	9q34.11	36	130.45
TPP1	146.15	chr11	11p15	38	112.93

POLR2E	146.13	chr19	19p13.3	34	87.55
ABHD16A	146.10	chr6	6p21.3	27	211.73
METTL5	146.05	chr2	2q31.1	32	76.71
RNF146	145.98	chr6	6q22.1-q22.33	42	162.58
LYRM5	145.97	chr12	12p12.1	15	122.40
MGAM	145.81	chr7	7q34	53	335.83
PLBD1	145.72	chr12	12p13.1	36	94.95
FAM50A	145.69	chrX	Xq28	33	132.18
C6orf106	145.68	chr6	6p21.31	62	131.93
SLC25A36	145.65	chr3	3q23	76	131.31
Hs.612682	145.52	chr10	N/A	1	0.00
WBSR22	145.52	chr7	N/A	35	110.84
BLCAP	145.44	chr20	20q11.23	32	78.13
Hs.713774	145.41	chr17	N/A	7	96.55
FAM210B	145.33	chr20	20q13.2	38	83.89
GSK3A	145.31	chr19	19q13.2	33	69.52
MRPS2	145.21	chr9	9q34	28	65.44
RAB4A	145.20	chr1	1q42-q43	108	93.58
MPP3	145.16	chr17	17q21.31	47	83.37
DNAH3	145.14	chr16	16p12.3	74	231.05
Hs.594230	145.11	chr9	N/A	4	58.76
PNISR	145.09	chr6	6q16.3	86	149.38
SLC39A1	145.00	chr1	1q21	28	113.29
SLC20A2	144.98	chr8	8p11.21	25	71.39
Hs.648567	144.89	chr3	N/A	12	68.94
Hs.712916	144.87	chr11	N/A	1	0.00
USP39	144.82	chr2	2p11.2	28	82.02
SUCLG2	144.81	chr3	3p14.1	73	159.22
Hs.592946	144.71	chr3	N/A	3	4.86
CTPS1	144.63	chr1	1p34.1	41	170.58
MAPRE1	144.60	chr20	20q11.1-q11.23	65	129.87
UBE2G1	144.59	chr17	17p13.2	51	91.10
ZNF358	144.55	chr19	19p13.2	29	107.52
GPR153	144.52	chr1	1p36.31	37	151.93
PWP1	144.47	chr12	12q23.3	61	248.23
CHMP4A	144.34	chr14	14q12	43	58.27
LARP1	144.31	chr5	5q33.2	68	108.20
MCAT	144.30	chr22	22q13.31	50	164.05
TIMM13	144.28	chr19	19p13.3	33	105.69
EGLN3	144.10	chr14	14q13.1	50	123.33
Hs.720346	144.05	chr14	N/A	9	132.76
SLC25A28	144.01	chr10	10q24.2	32	82.16
EFNA1	143.99	chr1	1q21-q22	43	86.14
Hs.732634	143.99	chr14	N/A	7	50.79
AKR1C1	143.98	chr10	10p15-p14	89	128.15
FBXW4	143.91	chr10	10q24	38	156.25
CALR	143.90	chr19	19p13.3-p13.2	52	125.34
Hs.437857	143.90	chr22	N/A	2	23.26
Hs.601926	143.90	chr1	N/A	7	99.10
UBR3	143.88	chr2	2q31.1	62	152.74
R3HDM4	143.83	chr19	19p13.3	33	161.47
TMEM184B	143.82	chr22	22q12	39	89.55
PHC2	143.76	chr1	1p34.3	59	120.21
MOB4	143.70	chr2	2q33.1	65	114.49
Hs.99418	143.61	chr1	N/A	7	68.65
EMP3	143.56	chr19	19q13.3	28	88.56
ATOX1	143.52	chr5	5q32	33	91.55
Hs.595197	143.51	chr7	N/A	3	5.36
GANAB	143.48	chr11	11q12.3	48	87.41
TWF2	143.48	chr3	3p21.1	30	105.30
RBM39	143.48	chr20	20q11.22	62	98.53
ANGPTL2	143.45	chr9	9q34	50	98.54
RASSF3	143.39	chr12	12q14.2	46	146.90
HIST2H2BE	143.33	chr1	1q21.2	74	140.18
DDX3X	143.31	chrX	Xp11.3-p11.23	94	194.36
TACO1	143.27	chr17	17q23.3	29	114.87

KDELR1	143.26	chr19	19q13.3	43	118.14
PFDN6	143.25	chr6	6p21.3	44	137.86
GOLGA3	143.24	chr12	12q24.33	41	132.52
ETF1	143.24	chr5	5q31.1	38	103.04
Hs.592859	143.20	chr1	N/A	7	71.22
ANAPC5	143.14	chr12	12q24.31	64	79.82
CCDC50	143.11	chr3	3q28	107	274.21
P4HA2	143.09	chr5	5q31	53	86.31
CECR1	143.05	chr22	22q11.2	65	210.83
TJP1	143.03	chr15	15q13	74	142.59
PCCB	142.91	chr3	3q21-q22	57	144.01
AMD1	142.88	chr6	6q21	69	107.44
CCZ1B	142.86	chr7	7p22.1	32	95.38
FAM156A	142.78	chrX	Xp11.22	22	94.31
EIF2S1	142.74	chr14	14q23.3	67	196.20
UBP1	142.74	chr3	3p22.3	30	98.24
CDC34	142.69	chr19	19p13.3	51	66.33
KRTAP5-8	142.61	chr11	11q13.4	18	100.81
FOXQ1	142.56	chr6	6p25	27	167.33
CD47	142.54	chr3	3q13.1-q13.2	90	185.57
TM9SF3	142.52	chr10	10q24.1	53	157.94
ZBTB16	142.51	chr11	11q23.1	29	78.85
ADHFE1	142.41	chr8	8q13.1	41	167.63
Hs.716193	142.38	chr6	N/A	5	91.53
ST5	142.37	chr11	11p15	44	183.60
Hs.699535	142.29	chr9	N/A	7	168.21
SLC30A9	142.23	chr4	4p13	36	117.91
ZNF32	142.23	chr10	10q22-q25	36	113.69
FGD1	142.17	chrX	Xp11.21	33	144.71
MRPS23	142.02	chr17	17q22-q23	26	41.35
UBE2L3	142.02	chr22	22q11.21	70	87.62
Hs.724181	142.00	chr4	N/A	1	0.00
CAB39	141.94	chr2	2q37.1	29	108.21
HGS	141.89	chr17	17q25	67	105.78
CFLAR	141.84	chr2	2q33-q34	110	115.82
CAMK2B	141.80	chr7	7p14.3-p14.1	77	164.01
OPLAH	141.76	chr8	8q24.3	28	76.44
GLTP	141.72	chr12	12q24.11	24	165.28
PROS1	141.68	chr3	3q11.2	54	174.19
PSMD3	141.63	chr17	17q21.1	39	76.03
MEF2B	141.59	chr19	19p13.11	14	73.21
CXorf40B	141.52	chrX	Xq28	42	68.47
NLRX1	141.50	chr11	11q23.3	25	54.18
VPS37C	141.50	chr11	11q12.2	30	167.31
Hs.624440	141.45	chrX	N/A	8	71.84
MYLK3	141.45	chr16	16q11.2	29	140.73
ABHD17A	141.39	chr19	19p13.3	64	113.01
ACTBL2	141.36	chr5	5q11.2	15	92.41
Hs.595200	141.31	chr17	N/A	7	73.27
SEC61A1	141.31	chr3	3q21.3	31	192.73
HIST1H3C	141.30	chr6	6p22.1	21	77.81
NOL3	141.30	chr16	16q22.1	47	89.41
Hs.665091	141.30	chr6	N/A	9	109.94
MOB1B	141.30	chr4	4q13.3	24	121.31
CMIP	141.29	chr16	16q23	50	417.92
ZC3HC1	141.26	chr7	7q32.2	19	131.61
MSH3	141.25	chr5	5q11-q12	63	364.72
PNKD	141.24	chr2	2q35	44	107.04
NCOR2	141.15	chr12	12q24	87	151.21
PLOD1	141.12	chr1	1p36.22	38	125.29
MRPS6	141.11	chr21	21q22.11	92	167.18
SHANK2-AS3	141.11	chr11	11q13.4	18	122.46
Hs.659636	141.03	chr6	N/A	22	205.56
ADCY3	141.02	chr2	2p23.3	28	123.61
MRPS35	141.02	chr12	12p11	30	62.66
MRPS34	141.01	chr16	16p13.3	33	118.38

MYO18B	140.82	chr22	22q12.1	19	61.40
SSR3	140.80	chr3	3q25.31	65	149.45
SS18L2	140.80	chr3	3p21	28	129.55
ACTN4	140.74	chr19	19q13	40	164.10
RPU5D4	140.72	chr11	11q24.2	41	145.98
UBE2E3	140.70	chr2	2q32.1	58	105.43
MRPL19	140.67	chr2	2p11.1-q11.2	53	89.15
TNFAIP1	140.66	chr17	17q22-q23	32	70.21
MRPS18A	140.65	chr6	6p21.3	31	71.02
CELF2	140.61	chr10	10p13	90	228.49
RAB6A	140.59	chr11	11q13.3	110	384.05
ABCA8	140.54	chr17	17q24	38	141.59
ITGB1BP1	140.53	chr2	2p25.2	46	81.97
LITAF	140.52	chr16	16p13.13	55	163.17
SGCB	140.50	chr4	4q12	68	109.02
PEF1	140.48	chr1	1p34	28	72.79
DPY30	140.37	chr2	2p22.3	29	94.00
RGL2	140.33	chr6	6p21.3	30	88.05
NUDT3	140.30	chr6	6p21.2	64	114.26
Hs.513000	140.18	chr15	N/A	21	196.57
CA4	140.16	chr17	17q23	33	98.99
OR8A1	140.15	chr11	11q24.2	6	96.46
BLVRA	140.09	chr7	7p13	46	90.13
Hs.427236	140.08	chr7	N/A	14	101.25
ENAH	140.00	chr1	1q42.12	101	268.56
SLC2A4RG	139.91	chr20	20q13.33	58	114.47
DDIT4	139.81	chr10	10q22.1	47	104.52
TAP1	139.77	chr6	6p21.3	37	96.35
Hs.644669	139.76	chr18	N/A	7	178.14
PCBP4	139.73	chr3	3p21	37	90.94
SMAD7	139.73	chr18	18q21.1	33	146.09
TSPAN31	139.72	chr12	12q13.3	35	102.02
COPZ1	139.67	chr12	12q13.2-q13.3	39	65.60
ESYT2	139.65	chr7	7q36.3	76	172.47
NUFIP2	139.62	chr17	17q11.2	86	254.97
Hs.731440	139.59	chr5	N/A	31	221.25
YIPF3	139.46	chr6	6p21.1	30	84.58
RIC8A	139.41	chr11	11p15.5	38	101.51
CILP	139.37	chr15	15q22	33	76.42
Hs.605206	139.34	chr4	N/A	1	0.00
RPP21	139.33	chr6	6p22.1	28	142.48
CCDC69	139.30	chr5	5q33.1	58	153.33
RHBDD2	139.29	chr7	7q11.23	30	125.78
RGPD4	139.13	chr2	2q12.3	13	113.13
Hs.193784	139.10	chr3	N/A	13	97.73
TIMM17A	139.09	chr1	1q32.1	49	118.16
Hs.714065	139.04	chr2	N/A	3	4.22
LEPROTL1	138.98	chr8	8p21	42	86.52
Hs.704509	138.91	chr3	N/A	3	12.40
Hs.657942	138.91	chr19	N/A	9	181.69
DYSF	138.89	chr2	2p13.3	38	94.33
LOC100288142	138.78	chr1	1q21.2	27	76.50
SHCBP1	138.78	chr16	16q11.2	31	292.75
Hs.603084	138.78	chr1	N/A	1	0.00
UBL4A	138.70	chrX	Xq28	57	224.48
Hs.713802	138.70	chr17	N/A	7	104.63
FANCC	138.68	chr9	9q22.3	62	202.46
Hs.596976	138.67	chr7	N/A	7	51.98
Hs.595245	138.65	chr17	N/A	34	139.82
GNA11	138.63	chr19	19p13.3	89	105.96
ERAL1	138.62	chr17	17q11.2	30	108.98
WBP11	138.60	chr12	12p12.3	36	174.34
MYH11	138.59	chr16	16p13.11	100	155.81
Hs.209614	138.53	chr10	N/A	3	1.14
Hs.667162	138.49	chr15	N/A	7	246.78
SUOX	138.49	chr12	12q13.2	45	116.80

PHB	138.49	chr17	17q21	69	84.36
COMTD1	138.48	chr10	10q22.2	24	73.68
ALDH6A1	138.47	chr14	14q24.3	55	79.30
ZNF629	138.37	chr16	16p11.2	40	75.67
CSNK1A1	138.36	chr5	5q32	144	131.42
HIST1H3J	138.35	chr6	6p22.1	21	98.92
PLP2	138.31	chrX	Xp11.23	38	90.71
MRPL27	138.29	chr17	17q21.3-q22	34	79.66
Hs.720597	138.19	chr17	N/A	7	147.97
TSPAN4	138.16	chr11	11p15.5	54	122.02
IGKV1D-13	138.14	chr2	2p12	13	162.25
CAT	138.09	chr11	11p13	50	150.84
PA2G4	138.08	chr12	12q13.2	70	137.96
CRIM1	138.07	chr2	2p21	72	225.04
PNPT1	138.07	chr2	2p15	47	233.48
TMEM134	138.06	chr11	11q13.2	33	67.52
FLNA	138.02	chrX	Xq28	42	88.06
HPR	138.01	chr16	16q22.1	29	50.14
PIGP	138.00	chr21	21q22.2	37	102.47
MAP4	137.98	chr3	3p21	110	122.91
Hs.732277	137.97	chr19	N/A	2	32.58
Hs.385861	137.90	chr7	N/A	1	0.00
SDR39U1	137.86	chr14	14q12	33	79.25
SNRNP27	137.85	chr2	2p13.3	49	110.97
SND1	137.80	chr7	7q31.3	56	117.00
Hs.143995	137.72	chr4	N/A	1	0.00
STBD1	137.71	chr4	4q21.1	53	228.87
SCAP	137.71	chr3	3p21.31	30	66.27
SMIM13	137.53	chr6	6p24.2	28	381.91
Hs.432548	137.45	chr10	N/A	8	90.08
Hs.733130	137.44	chr4	N/A	7	48.21
WNT3A	137.37	chr1	1q42	18	255.76
COQ10B	137.36	chr2	2q33.1	36	175.58
HMGCL	137.33	chr1	1p36.1-p35	30	58.38
EPRS	137.24	chr1	1q41	49	88.84
ST3GAL1	137.20	chr8	8q24.22	67	83.02
PEX2	137.18	chr8	8q21.1	61	150.08
SERINC3	137.16	chr20	20q13.12	82	121.39
GTDC2	137.16	chr3	3p22.1	27	65.15
IFT20	137.16	chr17	17q11.2	41	196.70
SEC23A	137.09	chr14	14q21.1	58	142.19
SMPD4	137.08	chr2	2q21.1	56	78.03
LASP1	137.04	chr17	17q11-q21.3	51	160.17
THBD	136.98	chr20	20p11.2	49	87.63
CMBL	136.90	chr5	5p15.2	42	204.21
BMP8A	136.88	chr1	1p34.3	61	246.68
IFI16	136.73	chr1	1q22	55	155.20
FAM21C	136.63	chr10	10q11.1	80	140.12
GPS1	136.61	chr17	17q25.3	34	148.71
GABPB2	136.53	chr1	1q21.3	40	307.90
ADNP	136.51	chr20	20q13.13	47	215.46
COG5	136.49	chr7	7q31	47	172.53
EIF2B4	136.46	chr2	2p23.3	48	125.01
Hs.744929	136.43	chr20	N/A	14	66.19
CERK	136.37	chr22	22q13.31	44	97.92
MGAT1	136.35	chr5	5q35	44	100.71
FSD2	136.33	chr15	15q25.2	26	120.54
CPNE3	136.30	chr8	8q21.3	52	173.25
Hs.705789	136.22	chr9	N/A	27	119.13
C5orf24	136.16	chr5	5q31.1	57	213.98
LAGE3	136.06	chrX	Xq28	37	80.08
FAM155B	136.05	chrX	Xq13.1	30	54.70
MRPL38	135.96	chr17	17q25.3	37	121.26
LRRC14	135.94	chr8	8q24.3	49	201.03
CXorf40A	135.94	chrX	Xq28	26	60.55
SAE1	135.93	chr19	19q13.32	56	154.51

EPM2AIP1	135.92	chr3	3p22.1	41	218.07
ERRFI1	135.82	chr1	1p36	46	195.23
UNC50	135.80	chr2	2q11.2	33	98.01
RAB2B	135.80	chr14	14q11.2	37	152.06
Hs.602321	135.76	chr9	N/A	10	112.26
CDC42EP3	135.68	chr2	2p21	75	116.51
FPR2	135.65	chr19	19q13.3-q13.4	38	502.11
SLC41A3	135.62	chr3	3q21.2	45	85.23
CRNDE	135.62	chr16	16q12.2	19	66.98
Hs.603347	135.60	chr16	N/A	7	156.02
DUSP28	135.58	chr2	2q37.3	13	105.63
SNAPIN	135.53	chr1	1q21.3	24	57.35
UIMC1	135.52	chr5	5q35.2	28	58.80
Hs.741546	135.51	chr8	N/A	7	52.34
LOC100131138	135.48	chr12	12q24.11	13	55.25
EIF4G1	135.47	chr3	3q27-qter	51	100.13
Hs.732878	135.47	chr12	N/A	7	83.38
PDZD2	135.44	chr5	5p13.3	60	142.46
FAM198B	135.40	chr4	4q32.1	58	125.40
Hs.144878	135.39	chr22	N/A	2	54.11
Hs.745180	135.37	chr15	N/A	10	112.07
BST2	135.35	chr19	19p13.1	32	56.30
Hs.702887	135.31	chr7	N/A	3	83.55
TMCO1	135.28	chr1	1q22-q25	69	110.69
HOMER3	135.27	chr19	19p13.11	40	96.88
SUGT1	135.25	chr13	13q14.3	48	108.17
CBLN2	135.22	chr18	18q22.3	26	266.88
GNL2	135.19	chr1	1p34.3	30	124.95
FAM131C	135.15	chr1	1p36.13	31	134.82
WDR45	135.13	chrX	Xp11.23	41	78.99
SIL1	135.11	chr5	5q31	34	103.91
ENSA	135.09	chr1	1q21.3	74	188.27
Hs.290550	135.05	chr7	N/A	11	145.94
FUCA2	135.04	chr6	6q24	22	102.35
SEPN1	135.02	chr1	1p36.13	39	161.51
UBE2V2	135.00	chr8	8q11.21	37	165.06
NIT2	134.99	chr3	3q12.2	37	78.02
COPE	134.98	chr19	19p13.11	65	153.96
PPA2	134.97	chr4	4q25	54	107.74
CTRB2	134.94	chr16	16q23.1	25	134.04
PDP1	134.88	chr8	8q22.1	33	171.47
THOP1	134.82	chr19	19p13.3	30	111.12
ZDHHC11	134.81	chr5	5p15.33	45	108.79
DHRXS	134.80	chrX	Xp22.33; Yp11.2	70	123.95
MAP2K3	134.79	chr17	17q11.2	83	138.77
ABCF1	134.72	chr6	6p21.33	41	106.10
Hs.595283	134.69	chr1	N/A	7	110.39
BRE	134.66	chr2	2p23.2	60	102.32
CMC1	134.62	chr3	3p24.1	33	63.31
Hs.733666	134.56	chr2	N/A	7	94.64
Hs.674816	134.55	chr16	N/A	3	5.02
IRF9	134.51	chr14	14q11.2	40	98.40
SULF2	134.51	chr20	20q12-q13.2	26	63.01
FBXO17	134.46	chr19	19q13.2	48	194.88
ACYP2	134.43	chr2	2p16.2	55	72.39
VWC2	134.42	chr7	7p12.2	18	53.61
C16orf45	134.37	chr16	16p13.11	40	74.22
SUMO1	134.28	chr2	2q33	72	152.33
NFIC	134.26	chr19	19p13.3	81	137.58
NUBP1	134.23	chr16	16p13.13	30	68.20
DYNC1LI2	134.21	chr16	16q22.1	72	112.38
THBS1	134.20	chr15	15q15	109	318.57
NEFL	134.16	chr8	8p21	66	592.97
DHRS7C	134.13	chr17	17p13.1	5	46.02
Hs.131169	134.12	chr5	N/A	7	231.53
ORMDL3	134.08	chr17	17q12	36	113.42

Hs.445511	134.06	chr18	N/A	19	67.93
MCAM	134.05	chr11	11q23.3	58	90.88
CYGB	133.97	chr17	17q25	28	172.63
ENDOG	133.91	chr9	9q34.1	23	51.29
SRSF11	133.85	chr1	1p31	91	306.96
SPOCK1	133.85	chr5	5q31.2	30	123.38
MRPL11	133.82	chr11	11q13.3	34	112.17
ANKRD33	133.72	chr12	12q13.13	16	151.33
HIST2H3A	133.70	chr1	1q21.2	18	43.88
WDR45B	133.69	chr17	17q25.3	38	64.16
Hs.706809	133.68	chr9	N/A	3	2.73
C10orf10	133.61	chr10	10q11.21	59	142.94
PCYT2	133.49	chr17	17q25.3	51	265.71
VAMP3	133.48	chr1	1p36.23	52	92.32
SCYL1	133.43	chr11	11q13	52	139.81
PPT1	133.36	chr1	1p32	33	101.66
SPG21	133.30	chr15	15q21-q22	45	72.79
DDX39A	133.30	chr19	19p13.12	26	67.14
GNAI2	133.25	chr3	3p21.31	37	139.17
RBM25	133.22	chr14	14q24.3	83	131.31
Hs.202577	133.19	chr3	N/A	16	222.54
ENPP7	133.17	chr17	17q25.3	27	235.61
KRT81	133.14	chr12	12q13	26	147.89
CUL2	133.10	chr10	10p11.21	35	196.69
FGGY	133.07	chr1	1p32.1	58	214.45
ID3	132.85	chr1	1p36.13-p36.12	47	151.51
Hs.710227	132.84	chr14	N/A	7	62.08
TMED9	132.83	chr5	5q35.3	30	85.07
VEZF1	132.82	chr17	17q22	76	123.32
HEYL	132.81	chr1	1p34.3	36	166.99
KAT2B	132.78	chr3	3p24	66	182.34
TPD52L1	132.78	chr6	6q22-q23	42	100.19
ANO7	132.78	chr2	2q37.3	38	514.34
SRXN1	132.72	chr20	20p13	24	84.06
DCAF17	132.62	chr2	2q31.1	29	461.82
CTNNB1	132.58	chr3	3p21	100	155.77
MPST	132.56	chr22	22q13.1	46	96.14
INPP5A	132.52	chr10	10q26.3	42	124.57
SELM	132.51	chr22	22q12.2	17	41.64
SLTM	132.50	chr15	15q22.1	53	102.95
VAT1	132.48	chr17	17q21	49	81.33
TTC14	132.44	chr3	3q26.33	50	213.55
CCM2L	132.42	chr20	20q11.2	26	229.94
CSRP2	132.28	chr12	12q21.1	35	159.89
DEK	132.27	chr6	6p22.3	30	88.23
QPRT	132.20	chr16	16p11.2	38	63.06
FAM89B	132.19	chr11	11q13	35	86.50
NOSIP	132.17	chr19	19q13.33	38	103.20
RAP1B	132.13	chr12	12q14	81	139.27
ADRB1	132.10	chr10	10q25.3	39	191.18
GALR3	132.09	chr22	22q13.1	28	121.25
Hs.537695	132.07	chr1	N/A	17	229.38
HTRA3	132.05	chr4	4p16.1	52	147.36
SDF2	132.04	chr17	17q11.2	50	110.51
ACSS1	132.03	chr20	20p11.23-p11.21	61	140.91
RDX	132.02	chr11	11q23	57	125.85
EI24	131.94	chr11	11q24	38	84.25
HMBS	131.93	chr11	11q23.3	62	63.18
Hs.556108	131.88	chr17	N/A	8	75.36
XPR1	131.79	chr1	1q25.1	72	153.64
SDHAF1	131.73	chr19	19q13.12	18	91.29
POLE3	131.70	chr9	9q33	23	123.76
CIDEC	131.68	chr3	3p25.3	24	132.16
GSPT2	131.51	chrX	Xp11.22	35	120.58
CHST7	131.45	chrX	Xp11.23	32	121.81
ZCCHC24	131.43	chr10	10q22.3	35	76.05

Hs.660513	131.42	chr3	N/A	1	0.00
Hs.130077	131.38	chrX	N/A	5	176.09
Hs.714416	131.35	chr3	N/A	5	50.12
MRPS10	131.32	chr6	6p21.1	60	105.14
Hs.654357	131.29	chr8	N/A	1	0.00
WNK1	131.28	chr12	12p13.3	146	158.96
NT5DC1	131.24	chr6	6q22.1	48	122.02
GAS7	131.16	chr17	17p13.1	69	229.68
C1QA	131.09	chr1	1p36.12	34	209.72
IRF7	131.07	chr11	11p15.5	56	267.65
DCAF11	131.06	chr14	14q11.2	44	66.44
C1orf123	130.98	chr1	1p32.3	40	89.10
PPP6C	130.97	chr9	9q33.3	63	139.80
TCEA3	130.96	chr1	1p36.12	56	113.93
S100A7	130.88	chr1	1q21	30	215.25
FITM2	130.87	chr20	20q13.12	31	101.98
LTBP4	130.87	chr19	19q13.1-q13.2	61	108.25
APEH	130.80	chr3	3p21.31	57	91.84
Hs.593276	130.74	chr3	N/A	13	278.85
USP11	130.66	chrX	Xp11.23	38	110.36
RSL24D1	130.62	chr15	15q21	32	92.91
TMEM98	130.54	chr17	17q11.2	39	103.34
MCRS1	130.51	chr12	12q13.12	42	147.38
Hs.677704	130.49	chr22	N/A	10	21.02
WRB	130.48	chr21	21q22.3	50	136.69
KCMF1	130.45	chr2	2p11.2	66	106.96
PDIA6	130.43	chr2	2p25.1	48	92.45
TINF2	130.31	chr14	14q12	33	92.77
CCDC107	130.18	chr9	9p13.3	16	64.34
Hs.705485	130.18	chr6	N/A	15	68.17
TMED3	130.07	chr15	15q24-q25	35	97.11
KCTD3	130.06	chr1	1q41	31	163.68
BEX4	130.06	chrX	Xq22.1-q22.3	36	140.42
TLE2	130.03	chr19	19p13.3	33	78.27
TMEM129	130.02	chr4	4p16.3	27	92.77
CNDP2	130.02	chr18	18q22.3	63	193.31
HMOX1	130.02	chr22	22q13.1	53	104.69
SDC4	130.01	chr20	20q12	40	61.80
DNM3	129.96	chr1	1q24.3	30	466.66
Hs.657633	129.82	chr3	N/A	8	100.70
CD68	129.81	chr17	17p13	50	148.64
Hs.504187	129.78	chr11	N/A	8	176.91
LOC100133445	129.76	chr1	1p36	7	48.47
Hs.31037	129.72	chr17	N/A	29	155.06
Hs.276976	129.71	chrX	N/A	8	96.75
CTNNBIP1	129.66	chr1	1p36.22	42	120.73
Hs.693806	129.63	chr12	N/A	7	97.82
Hs.592843	129.60	chr20	N/A	3	2.55
CGNL1	129.56	chr15	15q21.3	45	142.32
TRAPPC2L	129.51	chr16	16q24.3	43	123.27
Hs.661071	129.51	chrX	N/A	1	0.00
SULT1C3	129.49	chr2	2q12.3	10	198.32
ACP1	129.43	chr2	2p25	61	146.84
Hs.707082	129.40	chr1	N/A	8	143.43
TCEAL1	129.32	chrX	Xq22.1	36	101.64
Hs.705597	129.32	chr14	N/A	7	41.52
SLC22A18AS	129.29	chr11	11p15.5	30	140.47
CD248	129.26	chr11	11q13	21	80.96
RAB1B	129.21	chr11	11q12	38	134.38
FAM43B	129.20	chr1	1p36.12	26	120.77
KCNH2	129.16	chr7	7q36.1	91	114.29
EMILIN2	129.16	chr18	18p11.3	28	77.18
PMPCA	129.16	chr9	9q34.3	37	115.24
KLC1	129.11	chr14	14q32.3	82	127.61
UCN2	129.10	chr3	3p21.3	17	75.35
TMEM47	129.10	chrX	Xp11.4	49	146.11

DHRS4L2	129.04	chr14	14q11.2	3	3.04
SLC25A34	129.03	chr1	1p36.21	12	117.43
STRADB	129.00	chr2	2q33.1	47	94.58
KEAP1	128.97	chr19	19p13.2	34	63.04
RNF14	128.88	chr5	5q23.3-q31.1	86	132.82
PIK3R1	128.83	chr5	5q13.1	97	254.06
Hs.657070	128.83	chr6	N/A	14	56.09
LOC100132167	128.81	chr9	9p12	31	75.62
FAM174A	128.78	chr5	5q21.1	22	95.80
SSBP1	128.73	chr7	7q34	43	119.38
DNAJC19	128.72	chr3	3q26.33	54	72.22
EPS8	128.71	chr12	12p12.3	30	101.13
FAM229B	128.59	chr6	6q21	39	109.37
KIFAP3	128.59	chr1	1q24.2	37	69.22
DDAH2	128.58	chr6	6p21.3	38	73.92
SNX5	128.58	chr20	20p11	62	165.49
CLUH	128.44	chr17	17p13.3	41	98.28
ANKH	128.43	chr5	5p15.1	99	158.77
YTHDF2	128.40	chr1	1p35	56	89.67
EMP1	128.40	chr12	12p12.3	43	158.76
UBQLN2	128.38	chrX	Xp11.21	44	146.86
SEMA3C	128.36	chr7	7q21-q31	49	240.89
Hs.664187	128.31	chr1	N/A	1	0.00
Hs.709493	128.29	chr16	N/A	12	147.37
Hs.715966	128.25	chr5	N/A	5	32.87
PTGES2	128.24	chr9	9q34.11	31	162.21
SMCO4	128.22	chr11	11q21	31	70.40
NFRKB	128.19	chr11	11q24-q25	43	303.93
EIF4EBP2	128.15	chr10	10q21-q22	81	134.32
OR2H1	128.15	chr6	6p21.32	41	202.08
BECN1	128.13	chr17	17q21	49	50.42
CD46	128.06	chr1	1q32	80	169.38
C9orf89	128.02	chr9	9q22.31	20	70.74
Hs.712903	128.02	chr1	N/A	1	0.00
Hs.627735	127.99	chr7	N/A	10	45.30
NAALADL2	127.99	chr3	3q26.31	53	586.71
Hs.708576	127.96	chr14	N/A	5	87.59
MRPL47	127.96	chr3	3q26.33	25	92.93
PPP1R3A	127.90	chr7	7q31.1	38	217.79
GRPEL1	127.84	chr4	4p16	59	147.35
BCS1L	127.81	chr2	2q33	30	81.45
Hs.542428	127.79	chr20	N/A	3	6.72
FLJ41423	127.75	chr11	11p11.2	3	2.62
Hs.658187	127.73	chr1	N/A	9	171.69
PLEKHJ1	127.70	chr19	19p13.3	31	66.78
GNB2	127.69	chr7	7q22	40	118.06
EFCAB14	127.56	chr1	1p33	57	111.94
NDUFAF2	127.44	chr5	5q12.1	44	53.57
TCF25	127.43	chr16	16q24.3	74	114.30
MLPH	127.41	chr2	2q37.3	48	107.90
CBX1	127.34	chr17	17q21.32	50	118.79
Hs.731960	127.32	chr11	N/A	7	49.67
FBXW7	127.25	chr4	4q31.3	55	114.78
ARL3	127.25	chr10	10q23.3	60	128.15
MICU1	127.23	chr10	10q22.1	37	137.27
ZNHIT3	127.21	chr17	17q12	50	108.21
ISPD	127.20	chr7	7p21.2	4	105.20
Hs.695354	127.19	chr11	N/A	1	0.00
MSRB1	127.03	chr16	16p13.3	38	116.58
AKR7L	126.99	chr1	1p35-p36.1	13	61.50
PHACTR4	126.96	chr1	1p35.3	51	299.69
FASTKD5	126.96	chr20	20p13	26	54.25
Hs.597223	126.94	chr18	N/A	7	130.08
SNX17	126.85	chr2	2p23-p22	32	124.91
PTS	126.82	chr11	11q22.3	33	66.94
RAB13	126.81	chr1	1q21.2	23	94.26

HEPHL1	126.75	chr11	11q21	4	81.61
GTPBP4	126.75	chr10	10p15-p14	33	92.70
PRELP	126.72	chr1	1q32	63	149.81
NOLC1	126.69	chr10	10q24.32	60	191.08
RP9	126.67	chr7	7p14.3	61	123.86
RAB34	126.66	chr17	17q11.2	27	76.71
RBM42	126.63	chr19	19q13.12	37	102.31
CCND1	126.54	chr11	11q13	91	248.49
CDKN1A	126.54	chr6	6p21.2	71	104.12
EN2	126.54	chr7	7q36	37	153.80
CBX3	126.53	chr7	7p15.2	74	144.02
HNRNPU	126.51	chr1	1q44	121	261.15
RRAGC	126.38	chr1	1p34	32	33.07
LRRC32	126.36	chr11	11q13.5-q14	35	59.91
NTPCR	126.34	chr1	1q42.2	20	115.29
EMC10	126.30	chr19	19q13.33	27	76.06
ADH1A	126.26	chr4	4q23	37	92.85
Hs.467411	126.24	chr1	N/A	8	69.91
IL11RA	126.22	chr9	9p13	65	146.51
KXD1	126.16	chr19	19p13.11	51	116.71
ARHGAP17	126.14	chr16	16p12.1	57	144.52
ZNF638	126.11	chr2	2p13.1	49	183.83
NCK2	126.03	chr2	2q12	37	178.81
H2AFJ	126.02	chr12	12p12.3	58	135.86
SARNP	126.00	chr12	12q13.2	48	106.20
C11orf58	125.95	chr11	11p15.1	50	104.72
Hs.593514	125.94	chr10	N/A	22	154.96
HYAL2	125.93	chr3	3p21.3	36	77.21
F8A1	125.89	chrX	Xq28	33	97.38
CPSF4	125.87	chr7	7q22.1	33	128.40
Hs.562015	125.87	chrX	N/A	8	16.41
LYNX1	125.87	chr8	8q24.3	67	130.78
C17orf49	125.86	chr17	17p13.1	26	99.64
PCGF5	125.86	chr10	10q23.32	80	266.08
MAPK9	125.81	chr5	5q35	62	183.50
WDR18	125.76	chr19	19p13.3	30	116.47
SNX6	125.72	chr14	14q13.1	32	103.45
RBFOX2	125.72	chr22	22q13.1	90	208.34
NOP56	125.68	chr20	20p13	59	105.40
CSRP1	125.65	chr1	1q32	59	143.71
Hs.127865	125.57	chr5	N/A	7	47.71
LARS	125.56	chr5	5q32	50	95.90
CITED4	125.56	chr1	1p35-p34	45	124.90
PHF17	125.49	chr4	4q26-q27	75	242.15
C15orf61	125.49	chr15	15q23	10	154.03
AKT1	125.49	chr14	14q32.32	62	203.98
Hs.679772	125.44	chr18	N/A	2	132.66
Hs.658341	125.41	chr9	N/A	3	64.01
LRRC47	125.38	chr1	1p36.32	50	90.70
BCL7B	125.30	chr7	7q11.23	43	125.81
HIST2H2AA3	125.28	chr1	1q21.2	54	98.05
ZMAT2	125.25	chr5	5q31.3	39	53.75
GGA3	125.22	chr17	17q25.1	41	173.69
Hs.599239	125.22	chr18	N/A	3	8.85
AVEN	125.21	chr15	15q13.1	31	71.67
MRPL36	125.16	chr5	5p15.3	29	138.62
TMEM43	125.11	chr3	3p25.1	37	111.00
ARHGAP23	125.09	chr17	17q12	37	185.47
HDHD2	125.08	chr18	18q21.1	32	81.51
HNRNPA0	125.05	chr5	5q31	47	170.07
SCCPDH	125.04	chr1	1q44	47	83.66
COL6A2	125.04	chr21	21q22.3	85	144.83
Hs.735050	125.02	chr13	N/A	2	133.83
AMY1C	124.97	chr1	1p21	41	213.63
DNLZ	124.96	chr9	9q34.3	13	128.27
TMEM243	124.94	chr7	7q21.12	37	127.30

TTC19	124.94	chr17	17p12	52	120.26
CSF1R	124.93	chr5	5q32	42	79.99
SNF8	124.91	chr17	17q21.32	36	99.82
YWHAE	124.87	chr17	17p13.3	80	161.44
EIF2D	124.72	chr1	1q32.1	28	82.13
CBX4	124.69	chr17	17q25.3	31	166.87
SSPN	124.69	chr12	12p11.2	59	127.80
KDELR2	124.65	chr7	7p22.1	69	107.98
RUSC1	124.64	chr1	1q21-q22	30	100.60
ELOF1	124.64	chr19	19p13.2	26	195.73
UBE2F	124.58	chr2	2q37.3	53	111.24
ERBB2	124.58	chr17	17q12	110	107.97
DDX39B	124.57	chr6	6p21.3	54	136.58
GFOD1	124.55	chr6	6pter-p22.1	47	144.63
DOK7	124.52	chr4	4p16.3	26	102.64
TBC1D4	124.52	chr13	13q22.2	35	84.24
Hs.732968	124.48	chrX	N/A	7	109.21
ETS1	124.45	chr11	11q23.3	64	195.72
ZNF165	124.45	chr6	6p21.3	30	211.31
MEA1	124.45	chr6	6p21.3-p21.1	30	65.20
CCDC171	124.42	chr9	9p22.3	91	490.39
HAT1	124.38	chr2	2q31.2-q33.1	33	80.28
HEATR2	124.38	chr7	7p22.3	47	163.52
ALDH3A2	124.34	chr17	17p11.2	51	141.45
ITPK1	124.33	chr14	14q31	76	131.15
ELTD1	124.33	chr1	1p33-p32	31	137.58
IPO7	124.31	chr11	11p15.4	59	186.13
Hs.659418	124.29	chrX	N/A	7	47.66
Hs.143821	124.24	chr7	N/A	8	109.86
Hs.644065	124.23	chr3	N/A	7	115.16
ZNF438	124.20	chr10	10p11.23	27	152.91
ZDHH5	124.17	chr11	11q12.1	36	87.98
TNNT1	124.17	chr19	19q13.4	30	107.13
TOX2	124.13	chr20	20q13.12	23	117.88
MAGED2	124.12	chrX	Xp11.2	56	81.71
CCNL1	124.12	chr3	3q25.31	44	192.65
HNRNPR	124.02	chr1	1p36.12	70	125.51
RAB15	124.00	chr14	14q23.3	28	107.57
AGPAT1	123.99	chr6	6p21.3	56	89.49
LMOD3	123.96	chr3	3p14.1	40	58.28
GUCY1A3	123.89	chr4	4q31.1-q31.2	78	117.03
USF2	123.88	chr19	19q13	56	90.77
RMDN1	123.85	chr8	8q21.3	71	140.61
PTN	123.74	chr7	7q33	50	94.69
EIF2B2	123.72	chr14	14q24.3	35	92.22
Hs.595843	123.67	chr3	N/A	7	123.81
RHOT1	123.58	chr17	17q11.2	53	222.73
Hs.711544	123.55	chr21	N/A	7	55.21
MTCH2	123.52	chr11	11p11.2	53	94.54
ATP6AP2	123.45	chrX	Xp11.4	47	104.81
PPTC7	123.45	chr12	12q24.11	39	143.86
PPP1R14A	123.40	chr19	19q13.1	26	105.73
MAF1	123.36	chr8	8q24.3	24	99.05
PAFAH1B1	123.35	chr17	17p13.3	68	114.59
HSPH1	123.34	chr13	13q12.3	35	162.02
APCDD1	123.32	chr18	18p11.22	29	79.66
PRR11	123.28	chr17	17q22	53	200.45
SNRPD1	123.28	chr18	18q11.2	53	154.41
ARPC5	123.28	chr1	1q25.3	32	59.34
STAB1	123.28	chr3	3p21.1	40	120.49
QKI	123.25	chr6	6q26	151	180.86
C2CD5	123.19	chr12	12p12.1	40	284.82
TNFAIP2	123.18	chr14	14q32	27	84.75
LTBR	123.16	chr12	12p13	50	297.13
PPP3CB	123.16	chr10	10q22.2	56	152.48
PSMB11	123.14	chr14	14q11.2	5	134.79

Hs.603941	123.13	chr5	N/A	7	144.21
OGN	123.08	chr9	9q22	49	282.20
ARPP19	123.00	chr15	15q21.2	63	119.49
GNPTG	122.99	chr16	16p13.3	26	62.55
DIS3L	122.97	chr15	15q22.31	22	70.15
GTF2H5	122.96	chr6	6q25.3	67	127.37
UBE4A	122.96	chr11	11q23.3	23	60.37
AGAP3	122.94	chr7	7q36.1	59	105.10
MAPK1	122.89	chr22	22q11.21	102	199.77
MAPK1IP1L	122.82	chr14	14q22.3	97	132.85
FBXO7	122.81	chr22	22q12-q13	31	62.74
SH3PXD2A	122.81	chr10	10q24.33	63	146.01
FYN	122.79	chr6	6q21	92	101.90
CYBA	122.79	chr16	16q24	49	189.45
CEACAM7	122.66	chr19	19q13.2	48	493.79
CLNS1A	122.64	chr11	11q13.5-q14	45	110.31
ATG9A	122.64	chr2	2q35	34	74.14
Hs.659764	122.61	chr9	N/A	7	167.13
NOTCH3	122.60	chr19	19p13.2-p13.1	52	140.31
RAB9A	122.57	chrX	Xp22.2	41	90.32
WIP12	122.56	chr7	7p22.1	84	101.82
Hs.664029	122.55	chr14	N/A	7	70.54
XPC	122.53	chr3	3p25	31	126.28
RASIP1	122.51	chr19	19q13.33	34	100.01
Hs.356481	122.50	chr17	N/A	7	91.26
ITGA6	122.49	chr2	2q31.1	64	138.51
TAF15	122.45	chr17	17q11.1-q11.2	51	170.83
ZDHHC16	122.43	chr10	10q24.1	32	124.09
LOC100505573	122.42	chr15	N/A	19	55.99
TMEM248	122.41	chr7	7q11.21	46	76.51
Hs.573188	122.38	chr5	N/A	7	70.55
ATP6V0A1	122.38	chr17	17q21	42	99.61
Hs.648960	122.36	chrX	N/A	1	0.00
KPNA3	122.32	chr13	13q14.3	42	118.58
GAS1	122.30	chr9	9q21.3-q22	46	94.98
VLDLR	122.26	chr9	9p24	31	88.87
CEBPA	122.22	chr19	19q13.1	50	117.61
CCNB1IP1	122.22	chr14	14q11.2	30	74.93
MGC45922	122.21	chr19	19q13.33	17	82.48
ME2	122.20	chr18	18q21	53	108.06
Hs.737941	122.10	chr19	N/A	1	0.00
SERPINB1	122.10	chr6	6p25	48	102.07
HNRNPUL1	122.09	chr19	19q13.2	63	125.60
DTX2P1-UPK3BP1	122.05	chr7	7q11.23	25	166.01
GNG10	121.97	chr9	9q31.3	72	131.84
EIF2S2	121.95	chr20	20q11.2	59	166.61
Hs.476706	121.94	chr1	N/A	1	0.00
DIAPH1	121.91	chr5	5q31	54	121.84
Hs.465405	121.91	chr1	N/A	19	22.92
MRPL54	121.87	chr19	19p13.3	21	68.46
HNRNPH3	121.86	chr10	10q22	65	104.61
LDB2	121.85	chr4	4p16	35	159.78
GOPC	121.83	chr6	6q21	38	237.90
Hs.713989	121.83	chr18	N/A	8	34.78
AKAP13	121.80	chr15	15q24-q25	166	150.93
TMEM158	121.79	chr3	3p21.3	40	186.28
VAMP2	121.79	chr17	17p13.1	71	114.70
ARF5	121.74	chr7	7q31.3	40	81.71
ZNF716	121.73	chr7	7p11.2	10	43.12
Hs.644867	121.73	chr1	N/A	10	102.35
EPB41L4A-AS1	121.68	chr5	5q22.2	26	56.72
TSMF	121.65	chr12	12q14.1	42	87.55
CMAS	121.58	chr12	12p12.1	35	98.65
STAG3L2	121.53	chr7	7q11.23	6	55.05
TMEM106C	121.53	chr12	12q13.1	33	58.51
SEZ6L	121.51	chr22	22q12.1	78	721.31

PHKB	121.50	chr16	16q12-q13	69	117.94
DCTPP1	121.43	chr16	16p11.2	28	84.19
SUN1	121.42	chr7	7p22.3	61	143.75
MYLK	121.38	chr3	3q21	61	141.00
HPCAL1	121.37	chr2	2p25.1	75	204.87
GPM6B	121.35	chrX	Xp22.2	53	441.52
RXRA	121.35	chr9	9q34.3	56	122.75
UBALD2	121.27	chr17	17q25.1	21	74.41
PYGM	121.26	chr11	11q12-q13.2	40	54.33
PSME4	121.25	chr2	2p16.2	54	115.59
PSME3	121.20	chr17	17q21	83	140.91
RBM17	121.19	chr10	10p15.1	72	147.79
TMEM259	121.10	chr19	19p13.3	78	149.18
APPL2	121.08	chr12	12q24.1	28	184.92
ZNF430	121.06	chr19	19p12	34	173.02
Hs.658370	121.06	chr1	N/A	4	57.05
ZCCHC17	121.04	chr1	1p35.2	47	108.67
RAD23B	121.02	chr9	9q31.2	81	149.00
SMOC2	121.00	chr6	6q27	39	85.76
FBXL15	120.92	chr10	10q24.32	25	63.58
Hs.603286	120.91	chr2	N/A	7	55.49
Hs.196509	120.88	chr2	N/A	7	141.23
Hs.660880	120.87	chr1	N/A	1	0.00
KLHL7	120.82	chr7	7p15.3	81	158.41
PSMA4	120.81	chr15	15q25.1	50	140.70
Hs.710008	120.80	chr12	N/A	8	68.41
BBS2	120.75	chr16	16q21	41	73.16
Hs.594542	120.73	chr5	N/A	7	135.76
ALPK3	120.71	chr15	15q25.2	40	193.73
FMO2	120.64	chr1	1q24.3	42	133.62
C19orf12	120.63	chr19	19q12	54	114.39
Hs.602476	120.61	chr1	N/A	7	68.14
PBXIP1	120.56	chr1	1q21.3	47	126.11
PPM1G	120.53	chr2	2p23.3	26	168.90
ACOT9	120.51	chrX	Xp22.11	34	64.96
PPM1J	120.50	chr1	1p13.2	31	174.14
GPT	120.49	chr8	8q24.3	28	98.99
CENPB	120.44	chr20	20p13	40	215.68
TM2D1	120.44	chr1	1p31.3	69	122.23
Hs.657829	120.42	chr20	N/A	16	160.42
INO80B	120.42	chr2	2p13.1	34	332.94
KIF2A	120.36	chr5	5q12-q13	58	477.06
Hs.701236	120.34	chr11	N/A	7	62.80
SNAP47	120.33	chr1	1q42.13	35	98.41
C14orf180	120.32	chr14	14q32.33	8	72.46
NIPA2	120.21	chr15	15q11.2	45	185.85
RBPJ	120.18	chr4	4p15.2	111	147.45
ABHD10	120.15	chr3	3q13.2	48	151.29
BCAT2	120.13	chr19	19q13	45	101.35
RNF220	120.09	chr1	1p34.1	41	60.18
LOC100506050	120.09	chr7	N/A	17	137.93
PRKAR2B	120.08	chr7	7q22	47	430.46
KRT8	120.05	chr12	12q13	59	166.40
SPSB3	120.03	chr16	16p13.3	60	130.18
C1orf210	120.01	chr1	1p34.2	22	226.29
AMOTL2	119.99	chr3	3q21-q22	37	70.11
GLUD1	119.99	chr10	10q23.3	65	123.49
DNAJC28	119.99	chr21	21q22.11	47	354.55
NAV2	119.91	chr11	11p15.1	170	896.41
Hs.710082	119.91	chr12	N/A	5	47.75
SLC16A7	119.90	chr12	12q13	50	240.83
DDX6	119.89	chr11	11q23.3	59	162.97
HMGB2	119.88	chr4	4q31	32	76.55
PARVB	119.80	chr22	22q13.2-q13.33	58	109.63
Hs.744147	119.80	chr12	N/A	12	120.19
COP2	119.79	chr15	15q21.2	54	90.60

MED10	119.78	chr5	5p15.31	43	83.34
Hs.659578	119.71	chr13	N/A	1	0.00
Hs.593614	119.68	chr2	N/A	7	158.02
Hs.652983	119.68	chr1	N/A	7	125.82
Hs.174330	119.68	chr12	N/A	8	85.68
VSIG4	119.66	chrX	Xq12-q13.3	36	69.93
DYNC111	119.66	chr7	7q21.3-q22.1	68	272.34
C11orf74	119.66	chr11	11p12	14	30.90
ZFAS1	119.64	chr20	20q13.13	38	124.53
Hs.718817	119.63	chr13	N/A	7	109.99
PREB	119.58	chr2	2p23.3	29	65.51
Hs.634852	119.57	chr2	N/A	7	52.70
Hs.743610	119.53	chr8	N/A	7	109.45
DHPS	119.50	chr19	19p13.2	48	101.86
DYNC1LI1	119.49	chr3	3p22.3	39	104.72
Hs.658739	119.49	chr8	N/A	7	225.42
VTN	119.48	chr17	17q11	47	223.24
SCAMP2	119.47	chr15	15q23-q25	50	280.85
PPFIBP1	119.43	chr12	12p12.1	99	111.95
PLD3	119.41	chr19	19q13.2	46	141.68
UBXN6	119.40	chr19	19p13	40	78.48
TNXB	119.37	chr6	6p21.3	79	136.30
Hs.658671	119.34	chr8	N/A	1	0.00
MTIF2	119.31	chr2	2p16.1	48	89.12
FOXN3	119.30	chr14	14q31.3	87	151.07
Hs.592057	119.20	chr16	N/A	8	107.72
LOC728533	119.19	chr19	19q13.12	2	34.21
MASP1	119.15	chr3	3q27-q28	106	211.85
FAF1	119.13	chr1	1p33	47	77.27
Hs.714910	119.12	chr11	N/A	7	51.55
C4orf32	119.09	chr4	4q25	37	100.02
WWC3	119.09	chrX	Xp22.32	65	132.64
LRP3	119.04	chr19	19q13.11	40	129.37
BTBD10	119.02	chr11	11p15.2	26	121.12
SARS	118.99	chr1	1p13.3	58	148.60
C12orf10	118.97	chr12	12q13	28	141.67
HNRNPU-AS1	118.96	chr1	1q44	8	60.12
BCL2L13	118.93	chr22	22q11.1	66	166.92
TPM3	118.92	chr1	1q21.2	122	61.82
LSM7	118.87	chr19	19p13.3	34	86.73
MOGS	118.87	chr2	2p13.1	36	88.18
EGLN2	118.84	chr19	19q13.2	36	128.47
TIMM22	118.80	chr17	17p13	22	95.22
C8orf59	118.80	chr8	8q21.2	25	120.59
RAB11A	118.79	chr15	15q22.31	67	140.46
QRICH1	118.78	chr3	3p21.31	54	99.60
C6orf47	118.77	chr6	6p21.3	37	116.95
GSTT1	118.76	chr22	22q11.23	57	116.50
HECA	118.76	chr6	6q23-q24	37	86.89
MLH3	118.75	chr14	14q24.3	58	493.26
ALDH1A1	118.71	chr9	9q21.13	33	168.74
RNF6	118.66	chr13	13q12.2	73	201.49
RPS6KA2	118.62	chr6	6q27	58	115.68
EFHD1	118.56	chr2	2q37.1	41	151.57
CCSER2	118.52	chr10	10q23.1	61	101.10
MRPL55	118.51	chr1	1q42.13	59	96.18
Hs.670861	118.45	chr5	N/A	2	135.44
COMT	118.44	chr22	22q11.21	120	178.05
IGHG1	118.43	chr14	14q32.33	286	373.58
UCHL1	118.43	chr4	4p14	31	104.56
IVNS1ABP	118.39	chr1	1q25.1-q31.1	73	123.14
TNKS2	118.36	chr10	10q23.3	41	320.84
GRK5	118.35	chr10	10q26.11	51	88.87
Hs.507978	118.29	chr1	N/A	8	80.02
SETD6	118.25	chr16	16q21	36	116.27
C9orf16	118.25	chr9	9q34.1	45	126.55

ABCB7	118.21	chrX	Xq13.3	42	117.69
FAXDC2	118.21	chr5	5q31-q32	51	182.22
NIF3L1	118.19	chr2	2q33	28	78.10
TCEAL6	118.18	chrX	Xq22.1	15	75.90
Hs.729104	118.17	chr9	N/A	1	0.00
PAFAH1B2	118.16	chr11	11q23	62	182.66
CNTN2	118.13	chr1	1q32.1	57	314.58
TMED4	118.12	chr7	7p13	62	141.93
Hs.593994	118.10	chr3	N/A	7	247.50
SRSF4	118.05	chr1	1p35.3	61	171.35
SLC30A3	118.04	chr2	2p23.3	30	95.43
MORC3	118.04	chr21	21q22.13	38	191.32
CALD1	118.01	chr7	7q33	145	148.60
AIMP1	117.98	chr4	4q24	61	141.05
MT1M	117.94	chr16	16q13	25	65.11
LSM2	117.93	chr6	6p21.3	28	127.65
LYPLA2	117.92	chr1	1p36.11	47	139.11
Hs.664383	117.89	chr7	N/A	7	79.54
BMP8B	117.87	chr1	1p35-p32	27	316.29
MMP2	117.84	chr16	16q13-q21	67	193.45
PKDCC	117.82	chr2	2p21	16	90.23
SSBP2	117.81	chr5	5q14.1	61	301.70
SPIN1	117.80	chr9	9q22.1	53	184.49
SULT1C4	117.80	chr2	2q12.3	22	186.57
UAP1	117.79	chr1	1q23.3	41	191.22
CYB5B	117.74	chr16	16q22.1	53	223.13
PELI1	117.72	chr2	2p13.3	37	147.31
KANSL3	117.72	chr2	2q11.2	51	100.05
TOP2B	117.69	chr3	3p24	40	97.52
Hs.709557	117.65	chr16	N/A	8	91.76
GJC1	117.64	chr17	17q21.31	52	280.87
CBY1	117.58	chr22	22q12	37	136.17
GDPD5	117.50	chr11	11q13.4-q13.5	49	194.43
Hs.58593	117.47	chr13	N/A	7	63.50
SLC16A2	117.47	chrX	Xq13.2	30	165.86
CPE	117.46	chr4	4q32.3	35	84.38
Hs.710089	117.46	chr2	N/A	1	0.00
KIAA1671	117.43	chr22	22q11.23	15	135.51
RPP25L	117.36	chr9	9p13.3	37	86.78
TOMM22	117.35	chr22	22q12-q13	23	69.23
OBSCN	117.34	chr1	1q42.13	59	117.84
CYP27C1	117.30	chr2	2q14.3	11	196.90
CMPK1	117.19	chr1	1p32	33	89.80
FNBP4	117.14	chr11	11p11.2	50	99.29
PAIP2B	116.96	chr2	2p13.3	47	112.24
TRIM28	116.96	chr19	19q13.4	40	89.74
FGD5-AS1	116.95	chr3	N/A	17	59.18
METTL7B	116.93	chr12	12q13.2	26	191.64
Hs.658418	116.92	chr4	N/A	3	8.57
TOX4	116.90	chr14	14q11.2	64	124.47
SLCO2A1	116.88	chr3	3q21	30	130.03
Hs.594961	116.84	chr2	N/A	3	7.83
URM1	116.83	chr9	9q34.11	58	144.28
FBXO25	116.82	chr8	8p23.3	39	68.78
TSPAN13	116.81	chr7	7p21.1	31	55.73
ACOX2	116.73	chr3	3p14.3	44	114.07
SAMD4A	116.72	chr14	14q22.2	75	126.17
JAM3	116.71	chr11	11q25	52	182.36
SLMO2	116.65	chr20	20q13.32	57	151.88
PPP2R3A	116.64	chr3	3q22.1	90	125.08
RAD51C	116.61	chr17	17q25.1	56	231.92
FBN1	116.60	chr15	15q21.1	57	194.57
APRT	116.59	chr16	16q24	38	66.80
ITM2C	116.55	chr2	2q37	47	89.69
NBPF3	116.55	chr1	1p36.12	64	109.61
GATA4	116.52	chr8	8p23.1-p22	58	129.49

RFTN1	116.52	chr3	3p24.3	46	139.92
Hs.741275	116.49	chr13	N/A	7	48.27
AIDA	116.48	chr1	1q41	45	147.91
Hs.741586	116.47	chr2	N/A	3	3.72
SPG7	116.45	chr16	16q24.3	96	154.81
ADAM15	116.45	chr1	1q21.3	50	204.05
ANKHD1-EIF4EBF	116.43	chr5	5q31.3	2	8.31
TDRD10	116.41	chr1	1q21.3	29	295.39
Hs.665118	116.41	chr11	N/A	1	0.00
ZNF207	116.40	chr17	17q11.2	60	106.34
Hs.708609	116.39	chr1	N/A	2	1.06
FRMD5	116.39	chr15	15q15.3	29	163.78
SUPT3H	116.38	chr6	6p21.1-p21.3	62	563.16
RPAIN	116.36	chr17	17p13.2	56	122.48
SFPQ	116.35	chr1	1p34.3	52	206.06
MRPS31	116.31	chr13	13q14.11	44	95.82
Hs.595802	116.29	chr3	N/A	8	102.83
EMC2	116.28	chr8	8q23.1	47	141.05
GTSF1L	116.27	chr20	20q13.12	26	324.59
TOMM70A	116.26	chr3	3q12.2	49	153.23
RANBP1	116.23	chr22	22q11.21	51	86.79
IRF2BPL	116.18	chr14	14q24.3	45	133.85
GOLGB1	116.15	chr3	3q13	61	93.57
OTUB1	116.10	chr11	11q13.1	56	148.62
GUSB	116.09	chr7	7q21.11	64	57.38
GRASP	116.06	chr12	12q13.13	22	77.76
Hs.462257	116.05	chr17	N/A	11	68.02
RABEP1	116.02	chr17	17p13.2	95	194.70
IL34	116.00	chr16	16q22.1	19	248.69
RNF114	115.99	chr20	20q13.13	74	87.78
TMEM208	115.97	chr16	16q22.1	21	41.25
TXNDC15	115.96	chr5	5q31.1	21	49.29
SMIM3	115.92	chr5	5q33.1	26	82.93
MATR3	115.90	chr5	5q31.2	87	148.52
NAA60	115.85	chr16	16p13.3	33	174.34
HSD17B8	115.83	chr6	6p21.3	23	59.89
PRKRA	115.81	chr2	2q31.2	34	85.83
Hs.542993	115.80	chr22	N/A	3	6.71
GNG12	115.80	chr1	1p31.3	43	166.28
SDPR	115.77	chr2	2q32-q33	29	62.51
Hs.595572	115.77	chr17	N/A	3	9.89
KMT2E	115.74	chr7	7q22.1	68	179.86
DCUN1D5	115.74	chr11	11q22.3	51	124.62
RBBP4	115.69	chr1	1p35.1	92	181.54
ARSG	115.68	chr17	17q24.2	31	311.92
KHSRP	115.68	chr19	19p13.3	59	102.12
SERBP1	115.67	chr1	1p31	134	113.30
CLIC6	115.58	chr21	21q22.12	20	103.34
Hs.718832	115.57	chr19	N/A	5	171.44
C3orf18	115.50	chr3	3p21.3	28	69.67
PCMTD2	115.49	chr20	20q13.33	55	224.07
POLR2J2	115.46	chr7	7q22.1	49	93.75
LAMA5	115.42	chr20	20q13.2-q13.3	31	187.01
Hs.710933	115.38	chr11	N/A	3	6.09
CCL3L1	115.38	chr17	17q21.1	15	174.91
MYH14	115.37	chr19	19q13.33	52	165.44
STX5	115.34	chr11	11q12.3	43	103.51
BSDC1	115.32	chr1	1p35.1	41	85.41
GSTM4	115.30	chr1	1p13.3	56	235.90
RASSF2	115.27	chr20	20p13	51	460.48
MYCBP2	115.25	chr13	13q22	60	310.82
SYCE1L	115.21	chr16	16q23.1	16	113.32
OR8S1	115.19	chr12	12q13.11	5	138.11
PPP2R3B	115.18	chrX	Xp22.33; Yp11.3	30	69.27
OR2T6	115.18	chr1	1q44	8	165.74
SURF4	115.15	chr9	9q34.2	36	89.29

GPR56	115.12	chr16	16q13	51	128.56
FOXJ2	115.11	chr12	12p13.31	48	159.35
Hs.534696	115.09	chr12	N/A	7	227.73
RRP36	115.06	chr6	6p21.1	37	84.50
UBE2K	115.05	chr4	4p14	69	133.13
SATB1	115.04	chr3	3p23	27	117.73
RPUSD1	114.94	chr16	16p13.3	26	129.66
ECHDC1	114.90	chr6	6q22.33	58	124.03
RAMP3	114.90	chr7	7p13-p12	33	103.49
C16orf3	114.84	chr16	16q24.3	23	136.61
SORT1	114.82	chr1	1p21.3-p13.1	56	130.26
THRA	114.81	chr17	17q11.2	85	129.97
TMX1	114.80	chr14	14q22.1	42	112.73
Hs.729536	114.78	chr3	N/A	15	64.63
TEK	114.72	chr9	9p21	40	104.05
MSRA	114.71	chr8	8p23.1	46	105.87
ZNF672	114.69	chr1	1q44	46	121.77
SCAND1	114.69	chr20	20q11.1-q11.23	53	145.62
TM9SF4	114.66	chr20	20q11.21	45	92.96
SRPX2	114.64	chrX	Xq21.33-q23	30	165.43
OR52H1	114.62	chr11	11p15.4	8	174.08
SELT	114.60	chr3	3q25.1	46	97.39
MRPL3	114.54	chr3	3q21-q23	51	135.61
TRAPPC4	114.52	chr11	11q23.3	34	63.67
Hs.655504	114.47	chr19	N/A	1	0.00
TPD52L2	114.46	chr20	20q13.2-q13.3	40	167.45
PPP1CA	114.46	chr11	11q13	62	118.24
SPHKAP	114.44	chr2	2q36	25	64.33
POLR2C	114.43	chr16	16q13-q21	38	59.86
MFS10	114.43	chr4	4p16.3	30	142.78
DHX16	114.41	chr6	6p21.3	30	106.14
TNPO1	114.40	chr5	5q13.2	117	157.30
PLA2G4C	114.38	chr19	19q13.3	39	103.16
ANKRD37	114.35	chr4	4q35.1	22	64.08
TRA2B	114.33	chr3	3q26.2-q27	68	110.98
NAGK	114.33	chr2	2p13.3	21	70.51
GRB2	114.30	chr17	17q24-q25	85	62.31
PHF10	114.29	chr6	Xq28	46	132.68
Hs.600503	114.26	chr17	N/A	7	53.54
SULT1A2	114.23	chr16	16p12.1	29	68.44
VAMP5	114.20	chr2	2p11.2	37	101.58
NDUF4F4	114.13	chr6	6q16.1	39	82.54
KRBA1	114.12	chr7	7q36	24	66.66
BRD2	114.11	chr6	6p21.3	76	113.70
FRG1	114.08	chr4	4q35	47	74.68
HAMP	114.07	chr19	19q13.1	28	112.01
MTHFD1	114.05	chr14	14q24	46	101.90
Hs.23648	114.02	chr5	N/A	19	328.83
CDK16	114.01	chrX	Xp11	61	108.06
SLC22A3	114.00	chr6	6q25.3	51	269.97
KPNA2	113.99	chr17	17q24.2	45	117.77
CDCA7L	113.95	chr7	7p15.3	23	49.04
Hs.594478	113.94	chr5	N/A	7	78.28
MARS	113.88	chr12	12q13	50	103.08
HSPA4	113.86	chr5	5q31.1	72	143.20
RHBDF1	113.83	chr16	16p13.3	34	124.23
Hs.708731	113.81	chr6	N/A	7	108.45
HERC1	113.80	chr15	15q22	27	78.49
CSRNP1	113.77	chr3	3p22	28	150.30
DIRC2	113.73	chr3	3q21.1	23	89.22
MOK	113.72	chr14	14q32	49	381.48
UBE2H	113.70	chr7	7q32	81	194.52
EIF5B	113.67	chr2	2q11.2	194	97.64
RNF167	113.66	chr17	17p13.2	40	92.73
FOXJ3	113.65	chr1	1p34.2	49	139.54
ZNF10	113.64	chr12	12q24.33	56	233.14

TMEM183A	113.62	chr1	1q32.1	33	115.90
THYN1	113.60	chr11	11q25	38	62.11
MX1	113.57	chr21	21q22.3	37	144.10
Hs.740536	113.37	chr14	N/A	7	70.68
STT3B	113.36	chr3	3p23	39	155.55
FUS	113.33	chr16	16p11.2	51	119.01
TTC3	113.31	chr21	21q22.2	103	188.35
AQP5	113.31	chr12	12q13	40	249.71
Hs.120150	113.29	chr12	N/A	10	152.78
Hs.714503	113.27	chr6	N/A	11	54.07
MARCH6	113.26	chr5	5p15.2	89	142.73
C1QL1	113.26	chr17	17q21	37	257.79
ARHGEF2	113.24	chr1	1q21-q22	34	137.90
PPM1H	113.23	chr12	12q14.1	65	666.40
BOP1	113.21	chr8	8q24.3	20	81.39
FGF7	113.20	chr15	15q21.2	66	453.81
Hs.697075	113.17	chr7	N/A	7	69.43
MPV17	113.15	chr2	2p23.3	38	77.20
PCOLCE	113.12	chr7	7q22	37	97.91
ASNSD1	113.12	chr2	2p24.3-q21.3	28	62.95
F3	113.09	chr1	1p22-p21	38	113.86
Hs.598430	113.06	chr14	N/A	7	86.67
VPS72	113.06	chr1	1q21	28	107.39
Hs.438040	113.04	chr11	N/A	7	55.30
DNAJB5	113.04	chr9	9p13.3	51	100.32
CHPF	113.02	chr2	2q35	30	127.37
CUL1	112.98	chr7	7q36.1	44	122.86
PHAX	112.98	chr5	5q23.2	45	202.92
MRPL45	112.97	chr17	17q21.2	39	83.99
Hs.21375	112.91	chr10	N/A	4	178.03
Hs.714498	112.83	chr2	N/A	7	90.25
NCEH1	112.83	chr3	3q26.31	43	79.37
TFRC	112.77	chr3	3q29	82	106.90
FZD4	112.75	chr11	11q14.2	53	104.18
MPP1	112.75	chrX	Xq28	48	92.45
PTDSS2	112.67	chr11	11p15.5	21	70.91
RERE	112.63	chr1	1p36.23	74	225.58
CDKN1C	112.60	chr11	11p15.5	76	109.14
SLC40A1	112.58	chr2	2q32	71	170.93
Hs.743967	112.58	chr6	N/A	27	99.86
LOC100289090	112.58	chr15	15q15.1	12	43.40
CDC5L	112.57	chr6	6p21	64	215.76
POLRMT	112.57	chr19	19p13.3	53	120.30
LRRC20	112.55	chr10	10q22.1	37	97.14
SPCS2	112.54	chr11	11q13.4	64	128.10
KIAA0232	112.53	chr4	4p16.1	41	133.59
ADCY4	112.52	chr14	14q12	26	80.11
Hs.659021	112.51	chr3	N/A	1	0.00
ANK2	112.48	chr4	4q25-q27	51	196.52
TADA3	112.44	chr3	3p25.3	56	114.02
Hs.732902	112.41	chr22	N/A	8	48.63
CRADD	112.40	chr12	12q21.33-q23.1	39	79.99
Hs.178393	112.39	chr17	N/A	15	97.98
Hs.661309	112.30	chr12	N/A	14	93.70
STAT6	112.26	chr12	12q13	37	79.89
WLS	112.23	chr1	1p31.3	47	98.18
KIAA2013	112.23	chr1	1p36.22	56	55.64
CD320	112.23	chr19	19p13.3-p13.2	28	96.21
ZFP36L2	112.21	chr2	2p22.3-p21	43	90.88
PI16	112.15	chr6	6p21.2	26	129.17
PITHD1	112.14	chr1	1p36.11	35	129.25
MRPS11	112.08	chr15	15q25	58	115.24
RALB	112.07	chr2	2q14.2	66	148.15
DCTD	111.97	chr4	4q35.1	69	150.59
SPIRE1	111.97	chr18	18p11.21	35	199.15
CLDND1	111.96	chr3	3q12.1	45	103.81

Hs.665286	111.95	chr7	N/A	7	97.53
GHSR	111.93	chr3	3q26.31	40	149.54
Hs.732322	111.93	chr19	N/A	7	82.20
ASMTL	111.92	chrX	Xp22.3; Yp11.3	60	71.20
TUSC3	111.91	chr8	8p22	80	134.66
EIF2S3	111.89	chrX	Xp22.2-p22.1	51	163.47
PPP2R5D	111.88	chr6	6p21.1	34	88.04
EMC8	111.79	chr16	16q24	31	55.43
CNTF	111.74	chr11	11q12.2	55	195.23
Hs.43666	111.73	chr8	N/A	14	116.02
Hs.718947	111.72	chr17	N/A	5	71.83
STT3A	111.72	chr11	11q23.3	30	82.62
TMEM222	111.59	chr1	1p36.11	33	124.02
Hs.204758	111.58	chr10	N/A	3	11.71
PBX3	111.52	chr9	9q33.3	55	135.98
TIMP4	111.49	chr3	3p25	37	136.42
F8	111.47	chrX	Xq28	59	138.75
RBM22	111.44	chr5	5q33.1	48	184.26
SP100	111.42	chr2	2q37.1	107	166.39
STK38L	111.41	chr12	12p11.23	59	156.49
SLC25A46	111.39	chr5	5q22.1	37	98.65
Hs.734120	111.38	chr10	N/A	1	0.00
POLR2H	111.37	chr3	3q28	34	61.01
ZNF148	111.34	chr3	3q21	103	161.75
GINM1	111.33	chr6	6q25.1	40	83.32
UTS2R	111.32	chr17	17q25.3	24	108.74
THAP11	111.26	chr16	16q22.1	31	125.46
HDGFRP3	111.26	chr15	15q25.2	67	172.39
TMBIM1	111.16	chr2	2q35	31	55.29
PTPN11	111.15	chr12	12q24	123	132.53
OSER1	111.08	chr20	20q13.11	49	101.83
TMEM106B	111.07	chr7	7p21.3	58	123.85
Hs.655691	111.05	chr17	N/A	17	299.61
DBNL	111.01	chr7	7p13	32	170.12
MRPL17	111.01	chr11	11p15.5-p15.4	28	123.00
HPRT1	111.00	chrX	Xq26.1	52	90.31
C16orf80	110.98	chr16	16q21	32	73.22
YTHDF1	110.97	chr20	20q13.33	38	63.74
ANKRD30B	110.95	chr18	18p11.21	15	201.45
YTHDF3	110.94	chr8	8q12.3	49	177.92
TUBB2A	110.89	chr6	6p25	52	85.12
NUP88	110.89	chr17	17p13.2	32	98.11
Hs.655369	110.87	chr12	N/A	7	66.73
PEX7	110.85	chr6	6q23.3	35	99.25
AVPI1	110.82	chr10	10q24.2	28	124.22
LAMB1	110.78	chr7	7q22	50	84.61
INPPL1	110.75	chr11	11q13	30	104.32
SQRDL	110.75	chr15	15q15	35	86.99
CXXC5	110.70	chr5	5q31.2	54	55.45
Hs.713206	110.68	chr2	N/A	7	91.63
FOPNL	110.66	chr16	16p13.11	40	117.96
ETS2	110.62	chr21	21q22.2	83	138.57
BCAR1	110.53	chr16	16q23.1	45	112.74
AHR	110.48	chr7	7p15	30	177.35
Hs.123541	110.46	chr12	N/A	2	61.58
DMWD	110.43	chr19	19q13.3	40	112.25
LUC7L2	110.41	chr7	7q34	50	86.31
DEGS1	110.38	chr1	1q42.11	55	118.62
GLRX3	110.35	chr10	10q26	50	78.30
LOC441052	110.31	chr4	4q34.1	21	233.56
CDKN2AIPNL	110.31	chr5	5q31.1	43	232.72
ZBTB45	110.30	chr19	19q13.43	27	64.11
Hs.560247	110.29	chr12	N/A	7	102.24
Hs.715086	110.28	chrX	N/A	4	18.78
STX7	110.23	chr6	6q23.1	65	138.51
TDRD7	110.21	chr9	9q22.33	30	146.19

BAMBI	110.17	chr10	10p12.3-p11.2	37	111.53
C11orf73	110.17	chr11	11q14.2	37	126.02
FXYS5	110.16	chr19	19q13.12	41	126.36
DDR1	110.13	chr6	6p21.3	80	96.16
COASY	110.11	chr17	17q12-q21	35	81.45
OPA1	110.07	chr3	3q28-q29	79	173.43
PQLC1	110.06	chr18	18q23	50	158.50
RPL7L1	110.01	chr6	6p21.1	71	247.40
RGS2	110.01	chr1	1q31	30	81.94
CCZ1	109.97	chr7	7p22.1	39	83.44
DARC	109.88	chr1	1q21-q22	30	131.19
SHANK3	109.83	chr22	22q13.3	33	123.33
FSCN1	109.80	chr7	7p22	42	178.78
STRIP1	109.75	chr1	1p13.3	26	160.76
CBWD6	109.71	chr9	9q21.11	13	75.20
TMEM150A	109.69	chr2	2p11.2	36	82.90
TUBG1	109.68	chr17	17q21	42	111.61
JAK1	109.65	chr1	1p32.3-p31.3	68	123.30
PDZD11	109.65	chrX	Xq13.1	33	93.15
Hs.666013	109.61	chr9	N/A	1	0.00
LRP10	109.60	chr14	14q11.2	51	93.70
CCDC115	109.60	chr2	2q21.1	35	122.53
ITGA9	109.58	chr3	3p21.3	92	275.06
KAT8	109.57	chr16	16p11.2	53	117.21
TMEM179B	109.45	chr11	11q12.3	24	172.93
KMT2C	109.41	chr7	7q36.1	137	263.93
PTCD3	109.37	chr2	2p11.2	97	129.83
LSM14A	109.34	chr19	19q13.11	70	84.74
Hs.486095	109.34	chr6	N/A	3	50.66
Hs.662244	109.33	chr11	N/A	22	106.46
Hs.173939	109.30	chr2	N/A	7	60.63
SPG20	109.27	chr13	13q13.3	75	198.34
R3HCC1	109.27	chr8	8p21.3	32	90.10
SMAP1	109.25	chr6	6q13	59	256.38
PITRM1	109.22	chr10	10p15.2	28	59.87
ARPC1B	109.20	chr7	7q22.1	37	82.50
Hs.731692	109.20	chr18	N/A	7	50.50
ARL1	109.19	chr12	12q23.2	67	86.17
IL32	109.18	chr16	16p13.3	36	156.96
Hs.745114	109.15	chr22	N/A	5	137.21
Hs.601024	109.11	chr12	N/A	7	76.13
TPCN1	109.07	chr12	12q24.13	50	115.91
Hs.729467	109.03	chr2	N/A	1	0.00
STARD10	109.02	chr11	11q13	38	245.15
CSGALNACT1	109.01	chr8	8p21.3	36	124.32
WAC	108.87	chr10	10p12.1-p11.2	73	131.69
Hs.661779	108.81	chr19	N/A	8	111.70
NKX1-2	108.79	chr10	10q26.13	13	77.27
KCNJ2	108.78	chr17	17q24.3	30	123.86
ANAPC10	108.73	chr4	4q31	45	319.38
CNTD1	108.65	chr17	17q21.31	28	180.31
USP5	108.63	chr12	12p13	30	138.59
HOMER1	108.61	chr5	5q14.2	47	114.40
BCO2	108.58	chr11	11q23.1	29	67.12
Hs.713743	108.56	chr13	N/A	7	59.77
Hs.601183	108.55	chr7	N/A	7	66.20
VASN	108.55	chr16	16p13.3	26	133.02
ALB	108.51	chr4	4q13.3	73	752.15
Hs.712891	108.49	chr19	N/A	7	65.68
Hs.718822	108.45	chr17	N/A	1	0.00
NUCB2	108.42	chr11	11p15.1	58	130.73
NCAM1	108.41	chr11	11q23.1	86	188.95
SH2B3	108.41	chr12	12q24	47	194.37
Hs.210043	108.38	chr2	N/A	8	72.26
ZNF444	108.35	chr19	19q13.43	30	69.35
Hs.603699	108.35	chr1	N/A	7	80.28

Hs.660217	108.34	chr5	N/A	3	3.50
ABI2	108.33	chr2	2q33	104	426.65
SYT4	108.32	chr18	18q12.3	33	463.71
Hs.623839	108.22	chr1	N/A	3	6.55
DYNLL2	108.18	chr17	17q22	26	73.89
SEPT11	108.18	chr4	4q21.1	85	326.05
Hs.695057	108.17	chr3	N/A	15	99.79
ACIN1	108.14	chr14	14q11.2	44	144.28
ARMCX3	108.09	chrX	Xq22.1	62	108.91
TMED5	108.08	chr1	1pter-q31.3	84	236.60
ABHD14A	108.08	chr3	3p21.1	30	89.03
EWSR1	108.07	chr22	22q12.2	118	198.39
WDR13	108.05	chrX	Xp11.23	40	110.07
SEPT4	108.00	chr17	17q22	58	187.74
FBXW11	107.96	chr5	5q35.1	74	133.48
CAMK2D	107.94	chr4	4q26	116	155.16
DPH5	107.92	chr1	1p21.2	46	109.07
MAP3K5	107.91	chr6	6q22.33	45	111.71
PXDNL	107.90	chr8	8q11.22-q11.23	32	89.93
FAM50B	107.88	chr6	6p25.2	28	72.13
Hs.388742	107.77	chr9	N/A	26	73.91
SIRT2	107.75	chr19	19q13	39	147.42
STEAP4	107.74	chr7	7q21.12	32	277.99
GMFG	107.74	chr19	19q13.2	30	124.27
TIPARP	107.69	chr3	3q25.31	30	78.53
Hs.701051	107.69	chr20	N/A	7	92.44
MAGEF1	107.69	chr3	3q13	28	65.46
TSPAN10	107.66	chr17	17q25.3	29	81.98
GRIN2D	107.61	chr19	19q13.33	31	112.43
MAP3K6	107.59	chr1	1p36.11	50	121.07
LOC100131581	107.58	chr8	8p23.1	19	84.45
PSMD13	107.57	chr11	11p15.5	50	175.47
Hs.563856	107.53	chr1	N/A	1	0.00
CFHR1	107.52	chr1	1q32	35	208.17
TIMM50	107.50	chr19	19q13.2	31	80.30
Hs.557916	107.49	chr11	N/A	8	111.39
RAB40B	107.49	chr17	17q25.3	54	161.43
Hs.544648	107.47	chr6	N/A	10	135.05
SRP54	107.41	chr14	14q13.2	36	89.00
Hs.710486	107.34	chr10	N/A	7	67.28
Hs.665919	107.30	chr5	N/A	1	0.00
PGRMC1	107.28	chrX	Xq22-q24	42	135.45
PDCL3	107.27	chr2	2q11.2	51	63.16
SULT1A1	107.26	chr16	16p12.1	46	108.20
PTOV1	107.25	chr19	19q13.33	46	156.15
TGOLN2	107.19	chr2	2p11.2	62	130.35
VPS25	107.19	chr17	17q21.31	29	102.02
Hs.710158	107.19	chr1	N/A	3	0.91
Hs.722329	107.15	chr2	N/A	3	4.50
Hs.708034	107.13	chr1	N/A	3	3.95
SLC25A53	107.06	chrX	Xq22.2	17	130.35
NBPF15	107.03	chr1	1q21.2	37	107.29
ACLY	107.00	chr17	17q21.2	47	134.32
Hs.745270	106.97	chr1	N/A	3	1.99
Hs.658943	106.95	chr6	N/A	7	197.81
CNIH4	106.91	chr1	1q42.11	57	110.72
SRPRB	106.87	chr3	3q22.1	56	125.95
ADAR	106.83	chr1	1q21.3	56	114.30
Hs.672024	106.81	chr3	N/A	5	142.91
Hs.382102	106.79	chr4	N/A	7	139.93
E2F4	106.79	chr16	16q21-q22	58	143.81
SNRNP200	106.79	chr2	2q11.2	52	102.64
ARL16	106.78	chr17	17q25.3	19	64.52
PIK3C2B	106.77	chr1	1q32	35	39.70
MAN2A2	106.77	chr15	15q26.1	81	116.32
WFDC10B	106.76	chr20	20q13.12	34	173.26

HMGN4	106.75	chr6	6p21.3	59	92.63
TRAPPC3	106.70	chr1	1p34.3	35	75.64
PSMF1	106.69	chr20	20p13	53	184.89
MUL1	106.61	chr1	1p36.12	28	76.06
SLK	106.61	chr10	10q24.33	46	65.16
UBE2Z	106.60	chr17	17q21.32	69	116.26
Hs.626258	106.57	chrX	N/A	3	6.28
TMEM70	106.54	chr8	8q21.11	44	79.96
DERL1	106.54	chr8	8q24.13	65	91.12
LMO4	106.49	chr1	1p22.3	58	127.73
LTBP3	106.49	chr11	11q13.1	56	113.99
ARHGDIA	106.49	chr17	17q25.3	79	153.66
Hs.732611	106.48	chr3	N/A	8	94.67
PHGDH	106.47	chr1	1p12	25	111.67
ZFPM1	106.41	chr16	16q24.2	27	169.54
ACVR2A	106.40	chr2	2q22.3	48	383.18
LOC401357	106.31	chr7	7p11.2	24	55.76
Hs.582113	106.28	chr5	N/A	3	3.07
C1orf21	106.28	chr1	1q25	67	98.16
C18orf32	106.26	chr18	18q21.1	24	80.43
AAMP	106.26	chr2	2q35	30	48.98
Hs.604224	106.23	chr2	N/A	2	54.14
Hs.607239	106.21	chr5	N/A	5	68.79
CDV3	106.17	chr3	3q22.1	71	84.86
ICMT	106.17	chr1	1p36.21	53	93.13
GPR116	106.17	chr6	6p12.3	62	158.17
FAM63A	106.16	chr1	1q21.3	55	118.78
Hs.662519	106.15	chr2	N/A	9	95.08
MAP3K1	106.10	chr5	5q11.2	54	238.72
RNMTL1	106.07	chr17	17p13.3	21	75.97
EPS8L3	106.07	chr1	1p13.3	45	247.85
TLN1	106.04	chr9	9p13	48	221.81
Hs.729509	106.04	chr3	N/A	7	54.98
Hs.594267	105.98	chr1	N/A	21	387.59
Hs.600066	105.94	chr18	N/A	22	74.25
GIMAP4	105.93	chr7	7q36.1	28	110.36
DHX32	105.89	chr10	10q26.2	23	105.10
OLFML2A	105.88	chr9	9q33.3	59	136.37
Hs.657817	105.86	chr2	N/A	3	89.81
ARMCX6	105.85	chrX	Xq21.33-q22.3	34	73.51
LOC729451	105.82	chr14	14q22.2	3	7.77
MAPKAPK2	105.80	chr1	1q32	64	98.86
TIMM17B	105.79	chrX	Xp11.23	41	140.48
Hs.713996	105.78	chr3	N/A	7	247.54
GABRE	105.76	chrX	Xq28	43	108.67
CARNS1	105.69	chr11	11q13.2	23	224.90
PDXDC1	105.65	chr16	16p13.11	72	140.82
CD200	105.63	chr3	3q12-q13	38	414.57
RAB3GAP1	105.61	chr2	2q21.3	60	142.51
SRI	105.60	chr7	7q21.1	79	109.38
CHSY1	105.60	chr15	15q26.3	30	107.19
NUP93	105.60	chr16	16q13	46	175.96
RBM10	105.53	chrX	Xp11.23	51	185.93
ZNF593	105.53	chr1	1p36.11	23	68.79
RSRC2	105.51	chr12	12q24.31	62	94.87
Hs.533222	105.48	chr5	N/A	35	281.90
ANO6	105.46	chr12	12q12	57	127.30
UBE2Q1	105.46	chr1	1q21.3	39	130.28
PDGFRA	105.46	chr4	4q12	72	254.90
Hs.563801	105.45	chr1	N/A	7	82.46
Hs.596366	105.44	chr17	N/A	3	2.55
MGST1	105.40	chr12	12p12.3-p12.1	57	191.20
CGGBP1	105.38	chr3	3p12-p11.1	69	109.70
MRPS17	105.36	chr7	7p11	28	59.49
CLASP1	105.36	chr2	2q14.2-q14.3	42	118.11
KPNA6	105.30	chr1	1p35.1	68	182.40

ZC3H11A	105.24	chr1	1q32.1	101	128.69
CRKL	105.24	chr22	22q11.21	52	215.66
POLD2	105.19	chr7	7p13	27	71.43
PTPRD	105.12	chr9	9p23-p24.3	95	386.57
AHCYL1	105.11	chr1	1p13.2	74	120.81
C17orf58	105.11	chr17	17q24.2	36	128.98
TNNI1	105.10	chr1	1q31.3	30	132.71
MAN2A1	105.08	chr5	5q21-q22	67	195.17
MMS19	105.06	chr10	10q24-q25	40	91.12
TUG1	105.05	chr22	22q12.2	63	183.39
Hs.595602	105.03	chr4	N/A	8	174.94
NEK9	104.98	chr14	14q24.3	45	276.40
HLA-DQB1	104.97	chr6	6p21.3	139	167.33
Hs.730918	104.95	chr9	N/A	3	2.21
LOC728485	104.95	chr19	19q13.12	19	196.49
FAM20B	104.93	chr1	1q25	62	125.79
SRP72	104.88	chr4	4q11	90	187.88
NECAB3	104.88	chr20	20q11.22	29	111.04
BAD	104.85	chr11	11q13.1	44	83.15
UCKL1	104.84	chr20	20q13.33	30	113.86
SESN1	104.82	chr6	6q21	45	109.95
COLGALT1	104.82	chr19	19p13.11	29	95.93
PVRL3	104.79	chr3	3q13	75	333.52
MLX	104.78	chr17	17q21.1	69	89.14
SEC11C	104.78	chr18	18q21.32	26	49.49
TRIOBP	104.78	chr22	22q13.1	78	118.79
GRAMD4	104.74	chr22	22q13.31	37	93.82
CNN2	104.72	chr19	19p13.3	38	106.99
IL1R1	104.69	chr2	2q12	74	171.09
RAD51B	104.69	chr14	14q23-q24.2	85	815.14
HARS	104.66	chr5	5q31.3	38	87.80
TMEM44-AS1	104.66	chr3	3q29	10	211.34
SPRYD3	104.63	chr12	12q13.13	26	74.49
TBC1D13	104.57	chr9	9q34.11	33	74.65
NPTX2	104.57	chr7	7q21.3-q22.1	30	149.82
Hs.673413	104.56	chrX	N/A	5	66.66
Hs.715044	104.56	chr20	N/A	3	114.01
FARSA	104.53	chr19	19p13.2	39	78.79
CASQ1	104.53	chr1	1q21	24	57.89
RELA	104.49	chr11	11q13	78	158.41
FAM134C	104.48	chr17	17q21.2	42	173.18
CHAMP1	104.44	chr13	13q34	26	145.83
MRPS16	104.38	chr10	10q22.1	53	59.61
Hs.626730	104.35	chr6	N/A	10	48.11
Hs.594846	104.34	chr4	N/A	19	77.54
SMARCC1	104.29	chr3	3p21.31	67	283.07
MAD2L2	104.25	chr1	1p36	24	130.04
CYTH1	104.25	chr17	17q25	38	91.78
ZDHHC4	104.23	chr7	7p22.1	29	87.86
Hs.712894	104.19	chr11	N/A	14	86.85
CNPPD1	104.18	chr2	2q35	35	100.95
Hs.310453	104.18	chr10	N/A	10	68.34
TRIP6	104.18	chr7	7q22	50	77.99
Hs.743183	104.17	chr16	N/A	7	76.80
TSPYL4	104.13	chr6	6q22.1	30	72.35
PCNT	104.13	chr21	21q22.3	39	109.37
Hs.567530	104.12	chr7	N/A	27	162.50
Hs.288880	103.97	chr2	N/A	3	2.65
SPEG	103.88	chr2	2q35	40	108.01
RAI2	103.87	chrX	Xp22	28	55.67
EVL	103.84	chr14	14q32.2	47	183.64
DNPEP	103.81	chr2	2q35	53	97.01
GNPDA1	103.80	chr5	5q21	48	118.73
PLEKHA5	103.75	chr12	12p12	67	196.73
DGUOK	103.75	chr2	2p13	62	115.61
CCNY	103.69	chr10	10p11.21	57	145.51

ZNF362	103.64	chr1	1p35.1	33	77.96
Hs.705736	103.63	chr17	N/A	3	6.04
PDZRN3	103.56	chr3	3p13	53	137.49
ATXN10	103.52	chr22	22q13.31	80	133.89
CUTC	103.50	chr10	10q24.2	28	58.39
RASSF7	103.50	chr11	11p15.5	45	183.13
CASP8	103.49	chr2	2q33-q34	98	256.10
XKR8	103.49	chr1	1p35.3	34	135.43
EFHD2	103.46	chr1	1p36.21	32	84.74
SYNPO2	103.46	chr4	4q26	127	222.77
RARRES3	103.43	chr11	11q23	30	66.37
NAP1L4	103.42	chr11	11p15.5	58	118.67
GTF2F2	103.38	chr13	13q14	48	68.52
MRPL43	103.38	chr10	10q24.31	74	109.07
TRMT10C	103.35	chr3	3q12.3	119	37.41
DLK1	103.34	chr14	14q32	48	145.34
Hs.709764	103.34	chr1	N/A	1	0.00
DMD	103.34	chrX	Xp21.2	132	240.28
RABGAP1	103.32	chr9	9q34.11	50	123.82
Hs.718709	103.30	chr12	N/A	22	73.81
RNF141	103.29	chr11	11p15.4	54	257.83
PITPNA	103.27	chr17	17p13.3	91	124.05
RNF126	103.24	chr19	19p13.3	39	74.29
Hs.655968	103.24	chr8	N/A	7	114.26
POPDC3	103.22	chr6	6q21	35	73.23
FAM8A1	103.20	chr6	6p23	40	133.65
CD97	103.18	chr19	19p13	53	81.86
SPR	103.16	chr2	2p14-p12	28	66.75
DMTN	103.14	chr8	8p21.1	27	112.39
TRIM54	103.14	chr2	2p23.3	41	87.59
Hs.602338	103.14	chr9	N/A	3	8.83
KIAA0430	103.13	chr16	16p13.11	35	95.64
IER3IP1	103.10	chr18	18q12	51	115.95
Hs.593952	103.07	chr20	N/A	3	4.05
API5	103.06	chr11	11p11.2	91	151.37
PRRX1	103.06	chr1	1q24	34	181.69
Hs.658981	103.06	chr19	N/A	1	0.00
LILRB1	103.02	chr19	19q13.4	33	280.40
AAR2	103.02	chr20	20pter-q12	28	77.25
NFIX	103.01	chr19	19p13.3	86	186.75
FASN	102.99	chr17	17q25	37	243.32
FKTN	102.92	chr9	9q31-q33	40	288.85
Hs.505905	102.90	chr12	N/A	10	79.49
PPP2R2A	102.90	chr8	8p21.2	56	113.55
MARCKSL1	102.89	chr1	1p35.1	30	87.29
Hs.730889	102.86	chr1	N/A	7	113.13
WRNIP1	102.86	chr6	6p25.2	57	172.15
XIST	102.83	chrX	Xq13.2	67	302.28
TNFRSF14	102.77	chr1	1p36.32	40	97.31
AZGP1	102.75	chr7	7q22.1	56	71.40
SRPK1	102.68	chr6	6p21.31	37	281.93
Hs.666462	102.66	chr7	N/A	7	244.50
KCTD12	102.63	chr13	13q22.3	33	166.44
C11orf83	102.58	chr11	11q12.3	18	92.93
LOC100505495	102.57	chr19	N/A	15	212.18
SLC8A1	102.56	chr2	2p23-p22	109	185.01
PRKAB2	102.50	chr1	1q21.1	76	151.41
ENTPD6	102.49	chr20	20p11.21	44	97.82
ISLR	102.47	chr15	15q23-q24	37	90.78
Hs.720282	102.47	chr11	N/A	8	41.28
Hs.732617	102.46	chr8	N/A	8	82.20
MAST2	102.46	chr1	1p34.1	47	106.38
STRN4	102.44	chr19	19q13.2	31	72.16
PRRC2C	102.42	chr1	1q23.3	110	187.20
ACVR1	102.39	chr2	2q23-q24	37	123.09
C16orf13	102.37	chr16	16p13.3	41	92.05

ISCA1	102.35	chr9	9q21.33	80	127.61
ANKRD10	102.34	chr13	13q34	61	97.56
ASB10	102.34	chr7	7q36.1	21	185.07
C10orf76	102.34	chr10	10q24.32	66	138.64
SETD5	102.32	chr3	3p25.3	82	286.24
EXOSC7	102.31	chr3	3p21.31	57	76.80
ASCL1	102.27	chr12	12q23.2	124	350.27
FAM168B	102.25	chr2	2q21.1	32	80.56
TRIP10	102.22	chr19	19p13.3	30	82.28
Hs.669819	102.21	chr12	N/A	1	0.00
Hs.713163	102.17	chr2	N/A	1	0.00
CRISPLD2	102.16	chr16	16q24.1	66	235.69
B4GALT5	102.16	chr20	20q13.1-q13.2	32	121.65
KIF1B	102.13	chr1	1p36.2	110	168.78
ACACB	102.09	chr12	12q24.11	56	185.51
LIPA	102.07	chr10	10q23.2-q23.3	33	92.50
C19orf35	102.03	chr19	19p13.3	6	90.19
THAP9-AS1	102.02	chr4	N/A	7	82.68
POLB	102.00	chr8	8p11.2	37	79.97
ZNF302	101.98	chr19	19q13.11	63	168.08
CDC16	101.94	chr13	13q34	60	85.06
Hs.731871	101.92	chr16	N/A	7	121.44
ACAD11	101.88	chr3	3q22.1	35	164.05
AP3S2	101.88	chr15	15q26.1	84	125.99
MRPL49	101.88	chr11	11q13	45	128.22
ELL2	101.87	chr5	5q15	85	157.93
PPCS	101.84	chr1	1p34.2	46	87.41
ABCF2	101.84	chr7	7q36	69	182.59
IGLJ3	101.83	chr22	22q11.2	60	268.25
Hs.727864	101.78	chr15	N/A	6	71.43
DLAT	101.68	chr11	11q23.1	55	87.09
Hs.500972	101.68	chr10	N/A	7	79.05
ISOC2	101.67	chr19	19q13.42	41	102.68
C6orf62	101.66	chr6	6p22.3	50	86.68
SEMA4B	101.63	chr15	15q25	29	115.68
Hs.126814	101.53	chr1	N/A	17	113.00
NKTR	101.52	chr3	3p23-p21	92	183.27
TMEM105	101.50	chr17	17q25.3	17	158.47
USP53	101.46	chr4	4q26	54	140.33
DNASE1L1	101.45	chrX	Xq28	45	96.67
NDUFAF5	101.40	chr20	20p12.1	43	103.82
NEU1	101.38	chr6	6p21.3	30	73.26
Hs.654022	101.38	chr6	N/A	3	6.60
TAF9	101.37	chr5	5q11.2-q13.1	58	90.72
SON	101.36	chr21	21q22.11	109	127.61
PRKCSH	101.35	chr19	19p13.2	31	135.12
DUSP22	101.33	chr6	6p25.3	76	179.97
Hs.646225	101.33	chr7	N/A	10	161.18
UBE2G2	101.29	chr21	21q22.3	77	140.43
OPHN1	101.29	chrX	Xq12	39	290.15
MAGT1	101.25	chrX	Xq21.1	69	117.74
SFXN4	101.24	chr10	10q26.11	60	119.05
ZDHHC8	101.22	chr22	22q11.21	46	159.54
CRCT1	101.20	chr1	1q21	37	176.02
YY1	101.20	chr14	14q	78	102.27
AKAP12	101.20	chr6	6q24-q25	70	152.31
CCL20	101.19	chr2	2q36.3	29	472.09
LOC100133161	101.19	chr11	11p15.5	3	8.21
HMGA1	101.14	chr6	6p21	57	172.36
NR2F6	101.14	chr19	19p13.1	67	118.54
LRRFIP1	101.13	chr2	2q37.3	87	137.55
MTOR	101.11	chr1	1p36.2	39	170.52
LOXL1	101.10	chr15	15q22	38	104.30
S100A9	101.03	chr1	1q21	40	104.30
CDKN1B	101.01	chr12	12p13.1-p12	72	101.07
STIP1	101.00	chr11	11q13	45	154.62

PARP6	101.00	chr15	15q23	50	114.87
Hs.139006	101.00	chr10	N/A	7	102.45
ATP6V1H	101.00	chr8	8q11.2	47	80.84
Hs.190440	100.98	chr2	N/A	6	60.96
Hs.595500	100.98	chr10	N/A	12	106.58
CRAT	100.96	chr9	9q34.1	38	100.41
Hs.696093	100.94	chr1	N/A	1	0.00
C9orf62	100.92	chr9	9q34.3	14	89.85
Hs.645602	100.90	chr1	N/A	4	164.24
Hs.737729	100.85	chr19	N/A	3	1.09
CSNK1D	100.80	chr17	17q25	53	60.04
Hs.708488	100.80	chr14	N/A	1	0.00
SMARCA4	100.79	chr19	19p13.2	100	198.43
AMT	100.78	chr3	3p21.2-p21.1	38	82.40
MPV17L2	100.77	chr19	19p13.11	19	63.95
Hs.597555	100.77	chr11	N/A	7	72.05
PLEKHF1	100.76	chr19	19q12	48	100.25
ACTL6A	100.76	chr3	3q26.33	33	106.87
SLC2A4	100.76	chr17	17p13	40	111.66
BCLAF1	100.73	chr6	6q22-q23	72	115.73
C11orf48	100.72	chr11	11q12.3	28	70.34
Hs.56294	100.72	chrX	N/A	7	49.55
ISG15	100.69	chr1	1p36.33	48	95.34
AKIP1	100.69	chr11	11p15.3	59	121.01
PDCD6IP	100.68	chr3	3p22.3	88	109.96
SPCS3	100.64	chr4	4q34.2	50	111.41
Hs.588220	100.62	chr5	N/A	7	69.43
PLS3	100.62	chrX	Xq23	46	109.25
Hs.363492	100.61	chr2	N/A	7	53.41
Hs.21377	100.61	chr6	N/A	7	238.68
Hs.713767	100.60	chrX	N/A	10	57.29
DNAJC11	100.55	chr1	1p36.31	34	81.31
TIMM9	100.53	chr14	14q21	29	51.65
Hs.658179	100.53	chr15	N/A	7	61.75
MARCH2	100.51	chr19	19p13.2	49	118.83
TFDP1	100.49	chr13	13q34	53	168.99
ACSL3	100.48	chr2	2q34-q35	65	137.16
ANG	100.48	chr14	14q11.1-q11.2	70	119.58
MAD2L1BP	100.47	chr6	6p21.1	36	96.92
NPEPL1	100.41	chr20	20q13.32	49	79.97
HBD	100.37	chr11	11p15.5	32	110.10
MFSD1	100.33	chr3	3q25.32	28	81.97
RPH3AL	100.32	chr17	17p13.3	37	426.00
Hs.546523	100.32	chr2	N/A	12	104.82
Hs.347302	100.28	chr16	N/A	11	61.88
PRMT5	100.28	chr14	14q11.2	42	97.15
Hs.633578	100.25	chr3	N/A	3	57.20
OCIAD2	100.20	chr4	4p11	27	85.80
AIRE	100.15	chr21	21q22.3	39	292.69
SUMF2	100.13	chr7	7q11.1	39	154.11
CDR2L	100.13	chr17	17q25.1	25	123.84
DIP2C	100.11	chr10	10p15.3	67	172.62
C6orf1	100.06	chr6	6p21.31	42	133.54
NT5DC2	100.06	chr3	3p21.1	28	93.75
Hs.731626	100.05	chr10	N/A	22	151.78
Hs.707361	100.05	chr1	N/A	8	113.18
Hs.112603	100.05	chrX	N/A	17	89.56
EIF5A	100.01	chr17	17p13-p12	59	61.33
RAB11FIP3	100.01	chr16	16p13.3	42	115.47
MTUS1	99.95	chr8	8p22	60	136.95
AGL	99.95	chr1	1p21	60	135.72
Hs.575726	99.94	chr20	N/A	7	77.15
DGCR6L	99.93	chr22	22q11.21	37	80.41
Hs.655314	99.93	chr8	N/A	8	113.04
NICN1	99.92	chr3	3p21.31	35	99.55
Hs.715050	99.91	chr9	N/A	7	49.46

VAMP8	99.87	chr2	2p12-p11.2	40	89.92
RND3	99.84	chr2	2q23.3	127	128.41
PHRF1	99.82	chr11	11p15.5	35	110.51
RALY	99.82	chr20	20q11.21-q11.23	43	128.68
Hs.733818	99.80	chr2	N/A	1	0.00
PPP1R12C	99.79	chr19	19q13.42	28	80.62
HNRNPUL2	99.79	chr11	11q12.3	63	122.43
AGXT2L2	99.76	chr5	5q35.3	53	170.08
LAMTOR4	99.72	chr7	7q22.1	21	99.25
RFXANK	99.67	chr19	19p12	36	67.92
IGHG3	99.67	chr14	14q32.33	6	130.72
BCAP29	99.67	chr7	7q22.3	86	240.43
HFE2	99.60	chr1	1q21.1	32	80.25
SHMT2	99.60	chr12	12q12-q14	52	130.15
KCNQ1	99.57	chr11	11p15.5	51	158.60
MTUS2	99.55	chr13	13q12.3	49	87.89
DGKH	99.49	chr13	13q14.11	39	136.58
UROS	99.45	chr10	10q25.2-q26.3	51	156.92
MSX1	99.45	chr4	4p16.2	53	131.66
CHCHD1	99.38	chr10	10q22.2	41	93.90
ZNF549	99.32	chr19	19q13.43	33	247.33
IFIT1	99.31	chr10	10q23.31	55	105.04
Hs.733080	99.28	chr19	N/A	7	101.06
EIF3J	99.24	chr15	15q21.1	59	101.43
NUP62	99.23	chr19	19q13.33	39	128.17
HCLS1	99.22	chr3	3q13	43	77.89
KCNA5	99.18	chr12	12p13	23	145.30
IRX5	99.16	chr16	16q12.2	45	96.49
Hs.645668	99.15	chr10	N/A	7	81.13
TEX2	99.15	chr17	17q23.3	42	113.41
Hs.632500	99.12	chr1	N/A	8	58.35
FBXO30	99.11	chr6	6q24	27	46.62
DENND4B	99.09	chr1	1q21	23	71.84
OR1J1	99.09	chr9	9q33.2	8	150.30
PCCA	99.09	chr13	13q32	38	76.68
SLPI	99.07	chr20	20q12	59	176.52
PRKRIR	99.06	chr11	11q13.5	50	66.23
ZNF254	99.04	chr19	19p12	58	153.86
NRIP1	99.00	chr21	21q11.2	48	150.35
SYN1	98.98	chrX	Xp11.23	47	131.28
OR4X1	98.93	chr11	11p11.2	8	191.96
PCYOX1	98.91	chr2	2p13.3	66	133.57
TBC1D14	98.91	chr4	4p16.1	41	79.34
KDM3B	98.90	chr5	5q31	42	72.11
KCNK1	98.87	chr1	1q42-q43	48	72.49
CXCL2	98.84	chr4	4q21	42	119.63
BASP1	98.83	chr5	5p15.1	54	416.87
XPNPEP1	98.83	chr10	10q25.3	49	154.34
MAP3K3	98.79	chr17	17q23.3	50	92.67
NMT1	98.77	chr17	17q21.31	66	85.68
SF3A3	98.74	chr1	1p34.3	48	99.97
IRX4	98.74	chr5	5p15.3	31	67.68
IFFO1	98.71	chr12	12p13.3	41	71.27
UFL1	98.69	chr6	6q16.1	50	188.56
Hs.706881	98.67	chr1	N/A	7	73.48
TBCE	98.66	chr1	1q42.3	45	66.28
MEF2C	98.65	chr5	5q14	59	238.27
PELP1	98.61	chr17	17p13.2	28	84.92
HOOK2	98.60	chr19	19p13.2	28	49.52
NFIA	98.60	chr1	1p31.3-p31.2	116	181.65
SPOP	98.60	chr17	17q21.33	62	145.46
IDH1	98.57	chr2	2q33.3	31	79.65
BAALC	98.54	chr8	8q22.3	56	191.79
TSC22D3	98.54	chrX	Xq22.3	55	141.46
PACSIN2	98.53	chr22	22q13.2-q13.33	61	147.78
UFD1L	98.51	chr22	22q11.21	47	118.71

SFT2D1	98.51	chr6	6q27	52	149.36
COA5	98.50	chr2	2q11.2	27	62.76
NCOA6	98.50	chr20	20q11	27	77.76
PTBP2	98.48	chr1	1p21.3	55	442.52
ATG2A	98.45	chr11	11q13.1	36	144.37
LACTB2	98.43	chr8	8q13.3	48	112.35
Hs.610280	98.41	chr9	N/A	8	71.66
CD53	98.36	chr1	1p13	43	282.92
ANKRD13A	98.30	chr12	12q24.11	29	147.24
TOMM40L	98.25	chr1	1q23.3	26	63.16
MKNK1	98.21	chr1	1p33	35	84.82
GBA2	98.20	chr9	9p13.3	40	149.61
CALCOCO1	98.17	chr12	12q13.13	37	115.97
THOC1	98.15	chr18	18p11.32	37	145.17
FMN2	98.14	chr1	1q43	60	690.16
FAM89A	98.14	chr1	1q42.2	32	96.47
Hs.664772	98.09	chr16	N/A	1	0.00
Hs.131732	98.03	chr19	N/A	8	14.06
CYFIP1	98.02	chr15	15q11	39	80.89
TMEM246	97.96	chr9	9q31.1	26	45.67
Hs.721212	97.95	chr5	N/A	7	65.07
PITPNB	97.95	chr22	22q12.1	53	124.37
GCN1L1	97.95	chr12	12q24.2	35	75.52
GPR108	97.93	chr19	19p13.3	15	138.91
Hs.656946	97.92	chr2	N/A	1	0.00
ARMC1	97.91	chr8	8q13.1	50	131.75
Hs.9676	97.91	chr6	N/A	20	171.35
IL4R	97.87	chr16	16p12.1-p11.2	34	96.69
DNM2	97.85	chr19	19p13.2	37	85.59
INPP5K	97.82	chr17	17p13.3	45	67.65
LPAR6	97.82	chr13	13q14	43	79.33
SUPV3L1	97.81	chr10	10q22.1	30	55.63
DHCR7	97.73	chr11	11q13.4	38	56.10
SCRIB	97.71	chr8	8q24.3	34	75.57
RNF13	97.70	chr3	3q25.1	61	158.77
VCAM1	97.69	chr1	1p32-p31	53	147.33
Hs.644986	97.67	chr2	N/A	7	90.73
ACADS	97.64	chr12	12q24.31	30	92.76
MRPL9	97.64	chr1	1q21	35	77.36
RYK	97.64	chr3	3q22	52	126.28
CCNH	97.63	chr5	5q13.3-q14	37	89.38
KDR	97.61	chr4	4q11-q12	50	167.00
Hs.574008	97.59	chr12	N/A	3	10.57
CPNE4	97.55	chr3	3q22.1	36	105.59
Hs.733994	97.53	chr4	N/A	7	62.42
GIMAP5	97.52	chr7	7q36.1	75	135.54
FUBP3	97.50	chr9	9q34.11	48	123.53
TNRC18	97.44	chr7	7p22.1	85	159.70
LPIN1	97.44	chr2	2p25.1	50	105.44
ANKMY2	97.43	chr7	7p21	30	91.55
AUP1	97.43	chr2	2p13	31	111.58
TRIM55	97.43	chr8	8q13.1	31	80.73
ZFYVE19	97.39	chr15	15q15.1	35	169.37
CHKB	97.38	chr22	22q13.33	43	110.96
TMEM5	97.38	chr12	12q14.2	35	93.89
SZRD1	97.36	chr1	1p36.13	76	120.33
AGXT	97.35	chr2	2q37.3	57	510.82
PDCD2L	97.32	chr19	19q13.11	19	104.25
Hs.668423	97.31	chr7	N/A	7	197.09
EHD2	97.31	chr19	19q13.3	48	146.51
Hs.745099	97.30	chr11	N/A	3	9.24
EFNB2	97.30	chr13	13q33	61	125.06
MOP-1	97.29	chr4	4q21.22	11	69.50
TMEM128	97.22	chr4	4p16.3	29	120.69
CLIP1	97.19	chr12	12q24.3	70	100.67
Hs.601787	97.15	chr9	N/A	1	0.00

PLEKHO2	97.13	chr15	15q22.1	30	139.66
OR2D3	97.12	chr11	11p15.4	8	183.13
DNTTIP2	97.12	chr1	1p22.1	118	46.87
RNF149	97.08	chr2	2q11.2	29	112.89
SAR1A	97.07	chr10	10q22.1	52	89.17
ABI3	97.06	chr17	17q21.3	21	185.41
REPS1	96.98	chr6	6q24.1	45	166.15
FAM43A	96.97	chr3	3q29	25	158.80
JPH2	96.94	chr20	20q13.12	63	136.86
USP2	96.90	chr11	11q23.3	65	193.03
SACS	96.89	chr13	13q12	55	428.23
SF3A1	96.87	chr22	22q12.2	74	88.06
FOLR1	96.86	chr11	11q13.3-q14.1	48	281.88
WNT6	96.82	chr2	2q35	58	189.39
LINC00674	96.79	chr17	17q24.2	33	139.97
TUBB4A	96.79	chr19	19p13.3	36	268.01
Hs.597712	96.77	chr18	N/A	7	212.02
FUNDC1	96.76	chrX	Xp11.3	19	59.08
Hs.545122	96.74	chr7	N/A	10	264.49
Hs.733671	96.69	chr1	N/A	7	84.36
SOGA3	96.66	chr6	6q22.33	50	599.61
Hs.644153	96.64	chr16	N/A	7	39.35
MTERFD1	96.63	chr8	8q22.1	34	84.08
ATP6V1C1	96.58	chr8	8q22.3	71	167.59
NT5C3A	96.57	chr7	7p14.3	37	55.14
ZNF512	96.56	chr2	2p23	27	149.99
GTF2H2C	96.54	chr5	5q13.2	31	138.53
SPRR2B	96.51	chr1	1q21-q22	11	55.08
C11orf24	96.50	chr11	11q13	26	56.64
PGD	96.45	chr1	1p36.22	32	112.68
HEATR5B	96.45	chr2	2p22.2	41	134.07
GSTA4	96.45	chr6	6p12.1	52	225.85
SARDH	96.44	chr9	9q33-q34	67	267.74
SAMD8	96.43	chr10	10q22.2	35	147.59
HELZ2	96.41	chr20	20q13.33	29	125.25
SF1	96.41	chr11	11q13	80	151.58
Hs.713089	96.40	chr22	N/A	13	73.40
ELOVL5	96.37	chr6	6p21.1-p12.1	77	214.49
SRA1	96.34	chr5	5q31.3	56	110.59
MAFB	96.33	chr20	20q11.2-q13.1	36	101.86
DCUN1D2	96.33	chr13	13q34	41	102.03
C17orf59	96.32	chr17	17p13.1	33	90.27
Hs.561130	96.31	chr3	N/A	3	5.13
EXOSC10	96.27	chr1	1p36.22	40	83.68
LANCL1	96.27	chr2	2q33-q35	48	118.36
C2orf69	96.26	chr2	2q33.1	54	252.25
PRKAG2	96.21	chr7	7q36.1	104	124.63
GAR1	96.20	chr4	4q25	34	122.79
UBA2	96.15	chr19	19q12	40	125.90
SPPL2A	96.15	chr15	15q21.2	31	81.53
TARS	96.13	chr5	5p13.2	31	95.52
IL18	96.11	chr11	11q22.2-q22.3	48	293.35
IFT43	96.11	chr14	14q24.3	40	77.72
MIDN	96.03	chr19	19p13.3	31	186.33
COL5A2	96.00	chr2	2q14-q32	71	138.98
ITGAE	95.97	chr17	17p13	30	68.53
RNF4	95.97	chr4	4p16.3	46	55.04
ARL8A	95.93	chr1	1q32.1	36	126.55
CCL11	95.93	chr17	17q21.1-q21.2	30	190.98
ARHGEF6	95.85	chrX	Xq26.3	50	187.73
Hs.663514	95.84	chr7	N/A	7	192.67
Hs.145500	95.83	chr20	N/A	8	67.14
SLC45A3	95.81	chr1	1q32.1	33	220.41
C8orf82	95.80	chr8	8q24	7	73.98
SMARCA1	95.79	chrX	Xq25	62	100.27
DPP7	95.79	chr9	9q34.3	50	60.08

B4GALT3	95.77	chr1	1q21-q23	31	81.45
HIST1H3E	95.74	chr6	6p22.1	24	73.61
BIRC2	95.72	chr11	11q22	30	106.68
DLX6-AS1	95.69	chr7	7q21.3	7	249.38
Hs.666101	95.67	chr8	N/A	7	84.22
SHC1	95.66	chr1	1q21	73	126.70
TUSC2	95.65	chr3	3p21.3	59	83.67
PLOD2	95.64	chr3	3q24	48	168.23
Hs.594584	95.63	chr12	N/A	25	230.21
ARFGAP2	95.63	chr11	11p11.2-p11.12	24	89.77
BEX2	95.59	chrX	Xq22	24	109.56
CSNK2A2	95.58	chr16	16q21	47	93.97
ARL6IP1	95.56	chr16	16p12-p11.2	43	122.59
C11orf68	95.56	chr11	11q13.1	28	100.17
SLC44A4	95.54	chr6	6p21.3	45	340.52
CNFN	95.54	chr19	19q13.2	19	67.40
HDAC3	95.52	chr5	5q31	30	135.98
UBE2E2	95.50	chr3	3p24.2	29	146.48
FOXC1	95.50	chr6	6p25	56	122.85
UBE2QL1	95.49	chr5	5p15.31	26	222.73
FZD7	95.49	chr2	2q33	45	132.43
NELFCD	95.48	chr20	20q13	36	64.32
PER1	95.43	chr17	17p13.1	51	96.69
Hs.600053	95.42	chr8	N/A	7	84.94
Hs.655495	95.37	chr5	N/A	2	54.25
EML1	95.34	chr14	14q32	40	104.58
Hs.658975	95.33	chr5	N/A	7	118.34
HIST1H2AH	95.33	chr6	6p21.33	18	91.39
Hs.594569	95.33	chr10	N/A	8	55.56
EAPP	95.30	chr14	14q13.1	34	82.86
DTD1	95.30	chr20	20p11.23	25	61.70
SCO1	95.29	chr17	17p13.1	36	135.93
MITF	95.28	chr3	3p14.2-p14.1	87	125.45
GPRASP2	95.27	chrX	Xq22.1	16	93.94
Hs.726351	95.27	chr11	N/A	5	72.15
MFAP1	95.26	chr15	15q15-q21	30	43.63
Hs.652196	95.23	chr5	N/A	17	176.69
Hs.713786	95.21	chr12	N/A	1	0.00
AGER	95.19	chr6	6p21.3	43	244.00
SSRP1	95.15	chr11	11q12	38	97.18
Hs.713809	95.15	chr17	N/A	7	188.40
A4GALT	95.13	chr22	22q13.2	21	124.94
TXNDC5	95.12	chr6	6p24.3	54	126.64
TANGO2	95.08	chr22	22q11.21	27	182.65
PSD3	95.08	chr8	8p21.3	110	226.36
CLASP2	95.06	chr3	3p22.3	86	294.35
Hs.314413	95.03	chr13	N/A	7	55.17
CIAPIN1	95.02	chr16	16q21	53	91.83
HLA-DMB	95.02	chr6	6p21.3	50	107.88
GIPC1	95.02	chr19	19p13.1	38	101.56
FCRLB	95.01	chr1	1q23.3	36	138.18
HARS2	95.00	chr5	5q31.3	52	148.74
NPEPPS	95.00	chr17	17q21	104	149.69
FTSJ3	94.98	chr17	17q23.3	30	85.80
WDR12	94.97	chr2	2q33.2	24	56.08
C1D	94.97	chr2	2p13-p12	46	151.62
Hs.442160	94.95	chrX	N/A	15	48.02
KRCC1	94.93	chr2	2p11.2	23	59.97
Hs.593188	94.93	chr5	N/A	7	78.53
AP2B1	94.92	chr17	17q11.2-q12	47	91.88
RABEPK	94.91	chr9	9q33.3	31	65.78
DPYSL4	94.87	chr10	10q26	40	133.63
CREB3L1	94.83	chr11	11p11.2	40	127.81
LPP	94.80	chr3	3q28	144	194.90
Hs.729710	94.75	chr9	N/A	1	0.00
LYN	94.74	chr8	8q13	61	257.51

TIPRL	94.71	chr1	1q23.2	42	86.42
CHGA	94.70	chr14	14q32	30	239.89
USP14	94.69	chr18	18p11.32	56	138.75
TOB2	94.65	chr22	22q13.2	53	99.87
PURA	94.64	chr5	5q31	54	140.23
WBP4	94.63	chr13	13q14.11	57	102.78
FRMD3	94.63	chr9	9q21.32	43	126.79
Hs.732652	94.62	chr5	N/A	7	55.81
CHPF2	94.60	chr7	7q36.1	43	108.39
DHCR24	94.58	chr1	1p32.3	40	319.08
STOML1	94.57	chr15	15q24-q25	45	110.96
RANGRF	94.55	chr17	17p13.1	35	57.59
DNMT1	94.54	chr19	19p13.2	30	134.00
STRBP	94.53	chr9	9q33.3	48	233.18
CLPTM1	94.51	chr19	19q13.3	49	107.54
Hs.659224	94.47	chr15	N/A	15	221.27
SLC25A44	94.45	chr1	1q22	35	55.50
NXF1	94.44	chr11	11q12-q13	41	84.79
Hs.596234	94.43	chr7	N/A	7	96.42
HYOU1	94.40	chr11	11q23.1-q23.3	33	112.85
IRAK1	94.36	chrX	Xq28	36	111.34
GALNT1	94.34	chr18	18q12.1	64	150.46
ABCA5	94.33	chr17	17q24.3	72	164.72
MACROD1	94.30	chr11	11q11	46	141.64
ARPC5L	94.30	chr9	9q33.3	36	91.75
Hs.713429	94.28	chr11	N/A	7	131.78
MRPS30	94.28	chr5	5q11	49	143.96
PLCL1	94.25	chr2	2q33	58	123.80
Hs.677049	94.24	chr4	N/A	1	0.00
USP9Y	94.24	chrY	Yq11.2	31	266.99
ASL	94.20	chr7	7q11.21	36	160.51
BEX1	94.18	chrX	Xq22	41	182.06
Hs.660511	94.13	chr1	N/A	15	308.43
Hs.593657	94.11	chr2	N/A	7	77.52
E1F4E2	94.10	chr2	2q37.1	67	114.98
C16orf46	94.07	chr16	16q23.2	27	305.05
RABGAP1L	94.07	chr1	1q24	143	136.18
VTA1	94.06	chr6	6q24.1	67	97.26
MKI67IP	94.05	chr2	2q14.3	35	178.64
TIE1	94.04	chr1	1p34-p33	31	212.36
BVES	94.03	chr6	6q21	50	156.55
Hs.663736	94.02	chr5	N/A	5	31.67
TOP2A	94.02	chr17	17q21-q22	59	229.03
KLF13	94.01	chr15	15q12	46	126.40
HP1BP3	93.99	chr1	1p36.12	66	109.46
MMD	93.98	chr17	17q	38	152.00
LOC100506469	93.98	chr19	N/A	6	60.56
H1FX	93.95	chr3	3q21.3	33	121.85
USP8	93.93	chr15	15q21.2	58	146.52
PXK	93.91	chr3	3p14.3	47	172.05
SGCE	93.85	chr7	7q21.3	37	160.40
HSD17B12	93.84	chr11	11p11.2	58	175.38
Hs.543064	93.77	chr3	N/A	3	3.54
PEG10	93.71	chr7	7q21	66	559.45
Hs.714048	93.65	chr15	N/A	18	130.79
COPA	93.64	chr1	1q23.2	82	162.21
ATP9A	93.64	chr20	20q13.2	58	217.26
PRUNE	93.62	chr1	1q21	60	160.48
LOC100129292	93.61	chr20	20q13.12	9	42.14
SLC3A2	93.56	chr11	11q13	46	80.36
FAHD2A	93.51	chr2	2q11.2	67	100.49
SASH1	93.49	chr6	6q24.3	95	85.10
DANCR	93.48	chr4	4q12	10	89.50
Hs.601129	93.45	chr4	N/A	7	26.58
Hs.603306	93.38	chr6	N/A	7	76.63
Hs.595643	93.38	chr11	N/A	7	49.91

KCNIP2	93.34	chr10	10q24	43	198.17
RSPRY1	93.32	chr16	16q13	28	108.71
ATG4D	93.32	chr19	19p13.2	26	166.83
BZW1	93.31	chr2	2q33	71	240.45
JKAMP	93.31	chr14	14q23.1	29	70.17
MESDC1	93.29	chr15	15q13	26	109.48
CXXC1	93.29	chr18	18q12	33	145.63
DKC1	93.26	chrX	Xq28	40	110.08
Hs.593318	93.25	chr9	N/A	8	118.52
PTPN21	93.23	chr14	14q31.3	72	301.35
TAF6	93.22	chr7	7q22.1	30	71.16
DNAJB1	93.22	chr19	19p13.2	38	65.79
CCDC104	93.22	chr2	2p16.1	28	84.00
JOSD1	93.21	chr22	22q13.1	53	78.22
CRTC2	93.20	chr1	1q21.3	26	123.24
GORASP2	93.18	chr2	2q31.1	62	106.28
KCNMB1	93.17	chr5	5q34	41	95.00
COPG1	93.16	chr3	3q21.3	35	109.82
EEF2K	93.10	chr16	16p12.2	37	148.66
PRPF40A	93.10	chr2	2q23.3	96	141.33
RALA	93.08	chr7	7p15-p13	70	165.56
TYK2	93.08	chr19	19p13.2	48	123.05
KIAA1429	93.06	chr8	8q22.1	53	168.87
DGCR2	93.03	chr22	22q11.21	36	83.71
RAB11FIP5	93.00	chr2	2p13	30	68.06
Hs.714390	92.97	chr2	N/A	3	2.97
MCUR1	92.95	chr6	6p23	42	146.87
BBS5	92.94	chr2	2q31.1	59	197.53
GJA4	92.93	chr1	1p35.1	35	67.14
ADIRF-AS1	92.92	chr10	10q23.2	15	128.98
SPINT2	92.87	chr19	19q13.1	37	90.28
ACTRT1	92.85	chrX	Xq25	18	84.39
FAM46B	92.84	chr1	1p36.11	26	134.61
HAND2	92.84	chr4	4q33	28	108.88
C11orf92	92.83	chr11	11q23.1	15	306.05
TNFAIP3	92.76	chr6	6q23	72	308.93
WDR34	92.75	chr9	9q34.11	26	88.52
TMEM131	92.74	chr2	2q11.2	38	137.38
C19orf47	92.74	chr19	19q13.2	24	101.35
NXT1	92.72	chr20	20p12-p11.2	21	99.95
HMX2	92.66	chr10	10q26.13	14	82.84
SNHG1	92.62	chr11	11q12.3	20	195.03
IGFBP3	92.62	chr7	7p13-p12	68	80.73
TMEM87A	92.60	chr15	15q15.1	40	113.53
Hs.656710	92.59	chr7	N/A	1	0.00
Hs.544332	92.58	chr6	N/A	7	60.35
KCTD9	92.57	chr8	8p21.1	57	118.24
CPSF7	92.56	chr11	11q12.2	56	178.20
Hs.715002	92.55	chr1	N/A	7	146.44
NAV1	92.52	chr1	1q32.3	74	162.72
MGRN1	92.51	chr16	16p13.3	30	69.20
TMEM189-UBE2V	92.49	chr20	20q13.2	13	131.94
Hs.744923	92.49	chr8	N/A	7	102.84
CD79A	92.48	chr19	19q13.2	39	111.04
CRYL1	92.42	chr13	13q12.11	28	61.15
CNOT7	92.42	chr8	8p22-p21.3	70	113.23
WNT4	92.38	chr1	1p36.23-p35.1	70	370.89
FDX1	92.36	chr11	11q22	50	79.03
Hs.713683	92.34	chr10	N/A	8	82.21
LMAN2L	92.33	chr2	2q11.2	28	52.19
FAM115A	92.32	chr7	7q35	78	169.39
EXOC7	92.32	chr17	17q25.1	90	98.24
PSENN	92.31	chr19	19q13.12	28	69.76
CTTN	92.27	chr11	11q13	62	122.19
Hs.666532	92.22	chr13	N/A	7	58.73
Hs.436679	92.18	chr2	N/A	3	5.81

NAPRT1	92.17	chr8	8q24.3	37	109.68
Hs.719922	92.16	chr5	N/A	8	71.68
RGN	92.16	chrX	Xp11.3	39	56.35
NBPF1	92.16	chr1	1p36.13	114	145.13
CHMP5	92.14	chr9	9p13.3	45	78.36
FSTL3	92.13	chr19	19p13	30	88.69
LIN9	92.12	chr1	1q42.12	49	186.86
Hs.426929	92.11	chr21	N/A	3	10.21
UCK1	92.11	chr9	9q34.13	41	203.30
TJAP1	92.09	chr6	6p21.1	31	94.47
MAPK3	92.02	chr16	16p11.2	51	140.88
UTP11L	92.01	chr1	1p34.3	31	71.00
PPP2R5E	92.01	chr14	14q23.1	51	150.42
DNTTIP1	92.00	chr20	20q13.12	23	57.95
HDAC2	91.98	chr6	6q21	38	99.66
SYPL2	91.96	chr1	1p13.3	9	48.25
Hs.662769	91.95	chrX	N/A	7	168.31
Hs.744397	91.94	chr12	N/A	1	0.00
Hs.740898	91.93	chr19	N/A	3	9.20
PIP5K1C	91.92	chr19	19p13.3	40	103.58
Hs.708733	91.91	chr2	N/A	3	1.13
APH1A	91.90	chr1	1p36.13-q31.3	45	132.57
PLAU	91.89	chr10	10q22.2	60	153.92
CHCHD7	91.87	chr8	8q12.1	42	67.79
C18orf54	91.83	chr18	18q21.2	50	587.43
SLC26A9	91.80	chr1	1q32.1	27	174.54
CHTOP	91.76	chr1	1q21.3	92	85.16
GLOD4	91.76	chr17	17p13.3	27	88.17
Hs.368399	91.75	chr15	N/A	1	0.00
DAPK3	91.74	chr19	19p13.3	36	73.27
CPXM2	91.73	chr10	10q26.13	35	191.88
CFH	91.72	chr1	1q32	66	179.73
Hs.159437	91.71	chr1	N/A	22	99.41
CD164	91.71	chr6	6q21	43	121.59
PRC1	91.70	chr15	15q26.1	28	144.40
GPANK1	91.69	chr6	6p21.3	34	96.61
FKBP4	91.68	chr12	12p13.33	44	74.28
FGD5	91.66	chr3	3p25.1	31	252.17
Hs.550803	91.65	chr1	N/A	8	102.84
TUSC1	91.65	chr9	9p21.2	27	59.69
DDX54	91.62	chr12	12q24.13	42	99.80
IDUA	91.62	chr4	4p16.3	47	252.21
BUD31	91.61	chr7	7q22.1	29	70.82
GEM	91.60	chr8	8q13-q21	36	95.76
DNAJC30	91.58	chr7	7q11.23	52	225.07
NQO2	91.56	chr6	6p25.2	38	90.32
Hs.702810	91.56	chr5	N/A	7	81.90
C5orf51	91.52	chr5	5p13.1	30	110.50
GALNT11	91.52	chr7	7q36.1	31	74.65
ARHGEF17	91.52	chr11	11q13.4	43	96.28
C3orf37	91.50	chr3	3q21.3	26	74.03
CARS2	91.47	chr13	13q34	41	153.23
FBXL17	91.44	chr5	5q21.3	66	193.37
SEPHS2	91.40	chr16	16p11.2	30	54.11
PLEKHM1	91.40	chr17	17q21.31	58	198.54
Hs.715279	91.39	chr4	N/A	3	3.73
Hs.720063	91.37	chr14	N/A	7	212.37
SYNCRIP	91.34	chr6	6q14-q15	107	115.38
ZFP36L1	91.31	chr14	14q22-q24	42	118.59
CMTM3	91.30	chr16	16q21	47	91.56
GPRC5B	91.27	chr16	16p12	53	102.39
C10orf32	91.22	chr10	10q24.32	50	95.35
Hs.511138	91.20	chr15	N/A	7	73.10
MRC2	91.20	chr17	17q23.2	33	138.81
Hs.599827	91.20	chr2	N/A	7	117.47
AUH	91.17	chr9	9q22.31	37	85.84

HOPX	91.14	chr4	4q12	58	128.93
Hs.667599	91.14	chr8	N/A	2	10.14
DHRS7	91.10	chr14	14q23.1	43	101.51
TFF3	91.06	chr21	21q22.3	53	122.95
LATS2	91.03	chr13	13q11-q12	45	93.16
OR9G4	91.02	chr11	11q12.1	8	184.21
TFB2M	91.02	chr1	1q44	34	70.38
HSPA2	90.99	chr14	14q24.1	35	83.49
Hs.85862	90.98	chr4	N/A	7	117.18
RCSD1	90.97	chr1	1q24.2	28	50.07
Hs.694195	90.95	chr19	N/A	1	0.00
FAHD1	90.95	chr16	16p13.3	34	77.79
RAVER1	90.92	chr19	19p13.2	33	178.30
Hs.377120	90.91	chr9	N/A	7	223.93
SBF2	90.90	chr11	11p15.4	66	306.89
KIAA0141	90.90	chr5	5q31.3	61	86.33
AKIRIN2	90.89	chr6	6q15	68	153.20
SRP19	90.85	chr5	5q21-q22	76	92.95
COMMD2	90.83	chr3	3q25.1	27	288.16
ANO5	90.82	chr11	11p14.3	38	123.15
WASF1	90.79	chr6	6q21	40	438.52
IFT46	90.78	chr11	11q23.3	28	83.95
Hs.608901	90.77	chr7	N/A	1	0.00
UBE2Q2	90.77	chr15	15q24.2	38	153.48
Hs.733141	90.76	chr13	N/A	5	60.11
INIP	90.75	chr9	9q32	40	261.76
COA6	90.75	chr1	1q42.2	28	69.21
Hs.599526	90.74	chr5	N/A	7	41.14
Hs.596981	90.73	chr1	N/A	7	112.75
TMED1	90.73	chr19	19p13.2	23	75.53
NID2	90.70	chr14	14q22.1	37	89.45
DDX3Y	90.70	chrY	Yq11	54	166.33
STS	90.69	chrX	Xp22.32	60	213.96
CHADL	90.67	chr22	22q13.2	20	83.41
NEK6	90.66	chr9	9q33.3-q34.11	29	244.89
FXR1	90.65	chr3	3q28	90	146.80
CAV3	90.64	chr3	3p25	43	72.03
HCFC1	90.63	chrX	Xq28	45	189.37
CREB1	90.63	chr2	2q34	82	253.77
DCAF5	90.62	chr14	14q23-q24.1	98	173.34
HBEGF	90.61	chr5	5q23	50	127.02
TCEAL5	90.55	chrX	Xq22.1	22	84.16
MKRN2	90.51	chr3	3p25	34	118.28
Hs.732334	90.51	chr1	N/A	8	103.44
FUBP1	90.49	chr1	1p31.1	44	150.39
XRN2	90.47	chr20	20p11.2-p11.1	30	156.02
SAR1B	90.45	chr5	5q31.1	73	133.94
IPO13	90.40	chr1	1p34.1	40	113.74
KDSR	90.36	chr18	18q21.3	76	144.89
RGL1	90.36	chr1	1q25.3	37	115.98
STAG2	90.35	chrX	Xq25	56	258.02
RBM8A	90.32	chr1	1q21.1	79	157.13
LRRC59	90.30	chr17	17q21.33	22	56.40
TOR1AIP1	90.30	chr1	1q24.2	87	148.61
Hs.180171	90.29	chr7	N/A	8	96.23
TARBP1	90.29	chr1	1q42.3	35	210.02
Hs.706368	90.27	chr9	N/A	7	113.08
CDK7	90.24	chr5	5q12.1	46	98.03
NUDCD3	90.24	chr7	7p13-p12	62	125.54
PPP2R5C	90.23	chr14	14q32.31	110	134.38
PLEKHA3	90.22	chr2	2q31.2	62	123.11
C6orf89	90.22	chr6	6p21.2	76	144.01
SEC24C	90.22	chr10	10q22.2	43	161.64
Hs.655918	90.21	chr4	N/A	1	0.00
SNAPC2	90.20	chr19	19p13	37	63.71
Hs.674560	90.18	chr19	N/A	1	0.00

CUL5	90.18	chr11	11q22.3	58	117.21
MGMT	90.15	chr10	10q26	34	83.69
NR2C2	90.14	chr3	3p25	63	205.12
GPN1	90.13	chr2	2p23.3	30	91.61
KALRN	90.13	chr3	3q21.2	89	269.77
MED19	90.10	chr11	11q12.1	34	115.30
PTP4A1	90.09	chr6	6q12	87	199.57
PDCD10	90.08	chr3	3q26.1	39	142.25
Hs.434075	90.08	chr4	N/A	1	0.00
DNAJC7	90.06	chr17	17q11.2	28	62.09
EGR3	90.05	chr8	8p23-p21	33	207.83
RRS1	90.04	chr8	8q13.1	22	54.06
FAM171A1	90.02	chr10	10p13	27	85.89
TSR2	89.99	chrX	Xp11.22	37	87.56
PI4KA	89.97	chr22	22q11.21	46	106.23
TMTC1	89.95	chr12	12p11.22	62	108.33
TMEM115	89.94	chr3	3p21.3	37	109.72
COL9A3	89.94	chr20	20q13.3	39	209.09
ALG5	89.93	chr13	13q13.3	36	59.16
POLM	89.89	chr7	7p13	38	162.84
BTN3A3	89.87	chr6	6p21.3	52	147.04
RAB3A	89.87	chr19	19p13.2	37	249.24
FAM3A	89.85	chrX	Xq28	45	187.95
DIMT1	89.83	chr5	5q12.1	74	209.24
C21orf59	89.82	chr21	21q22.1	38	90.18
VEGFA	89.81	chr6	6p12	111	132.96
ZNF385A	89.78	chr12	12q13.13	26	56.66
TMEM176B	89.78	chr7	7q36.1	30	109.76
RMND5A	89.73	chr2	2p11.2	87	125.41
CPSF2	89.73	chr14	14q31.1	54	244.43
MIPEP	89.73	chr13	13q12	33	116.93
NUDT9	89.67	chr4	4q22.1	34	62.70
SNRPA1	89.66	chr15	15q26.3	38	118.87
FBXO8	89.62	chr4	4q34.1	27	64.15
DACT3	89.62	chr19	19q13.32	37	100.15
CBWD1	89.59	chr9	9p24.3	64	83.74
VPS52	89.58	chr6	6p21.3	35	93.46
LOC100127983	89.57	chr8	8q21.3	15	82.02
TYMP	89.54	chr22	22q13.33	67	129.92
ZNF410	89.53	chr14	14q24.3	35	108.18
DESI1	89.53	chr22	22q13.2	59	105.12
RTCA	89.52	chr1	1p21.2	49	79.60
CLCN3	89.52	chr4	4q33	85	136.26
TXNDC9	89.51	chr2	2q11.2	70	123.72
FAM136A	89.50	chr2	2p13.3	27	62.14
PSMD9	89.49	chr12	12q24.31-q24.32	47	102.51
EXOSC1	89.48	chr10	10q24	29	104.08
DNAJC13	89.45	chr3	3q22.1	34	105.92
THAP7-AS1	89.38	chr22	22q11.21	32	231.69
PDRG1	89.37	chr20	20q11.21	17	28.34
LEMD3	89.34	chr12	12q14	42	152.42
U2AF2	89.34	chr19	19q13.42	53	151.63
KLF16	89.33	chr19	19p13.3	36	188.70
Hs.213493	89.32	chr15	N/A	11	110.18
RNF19A	89.29	chr8	8q22	52	165.32
CHD8	89.28	chr14	14q11.2	46	153.69
ZNF146	89.26	chr19	19q13.1	44	136.87
AGPAT2	89.26	chr9	9q34.3	46	130.76
Hs.744879	89.26	chr3	N/A	22	127.81
SLC6A3	89.24	chr5	5p15.3	44	547.74
TAF12	89.22	chr1	1p35.3	32	65.84
TRIM27	89.21	chr6	6p22	83	138.85
Hs.709775	89.19	chr9	N/A	33	192.08
Hs.709018	89.19	chr6	N/A	7	69.39
PPM1A	89.17	chr14	14q23.1	123	150.03
Hs.734261	89.15	chr1	N/A	2	2.53

AASDHPPT	89.15	chr11	11q22	62	96.24
EPHX1	89.15	chr1	1q42.1	35	147.53
GOLGA8B	89.14	chr15	15q14	69	163.39
Hs.702552	89.11	chr21	N/A	10	22.50
Hs.557382	89.11	chr3	N/A	4	60.85
THUMPD3	89.11	chr3	3p25.3	43	123.70
CAPN1	89.05	chr11	11q13	40	114.30
PEX5	89.02	chr12	12p13.31	56	137.62
TMEM101	89.01	chr17	17q21.31	26	86.37
Hs.731584	89.00	chr19	N/A	3	4.28
TSC1	88.99	chr9	9q34	39	87.54
ZNF428	88.98	chr19	19q13.31	32	213.84
Hs.687287	88.95	chr3	N/A	2	140.79
Hs.656868	88.93	chr19	N/A	8	133.64
LOC100506365	88.92	chr8	N/A	118	33.12
ASS1	88.88	chr9	9q34.1	58	135.91
Hs.130916	88.87	chr11	N/A	3	18.59
PI4KB	88.87	chr1	1q21	66	81.69
TPRKB	88.82	chr2	2p24.3-p24.1	38	66.16
MAP4K3	88.77	chr2	2p22.1	55	255.12
MPDZ	88.77	chr9	9p23	52	83.10
Hs.732900	88.77	chr12	N/A	10	105.09
GFM1	88.76	chr3	3q25	59	120.73
IKBKG	88.76	chrX	Xq28	35	92.29
Hs.435667	88.74	chr2	N/A	7	66.09
CLINT1	88.73	chr5	5q33.3	49	105.93
TRIM2	88.71	chr4	4q31.3	78	554.62
BCAS2	88.66	chr1	1p13.2	33	115.46
AOC3	88.60	chr17	17q21	39	58.34
FAM73B	88.59	chr9	9q34.11	28	174.61
SCMH1	88.56	chr1	1p34	30	110.12
USP4	88.54	chr3	3p21.3	61	64.98
SDE2	88.50	chr1	1q42.12	24	109.06
ADH1C	88.49	chr4	4q23	30	78.16
Hs.705959	88.49	chr2	N/A	17	108.25
CSNK1A1L	88.47	chr13	13q13.3	19	69.02
RTN4IP1	88.45	chr6	6q21	20	62.76
GLRX2	88.39	chr1	1q31.2	34	66.17
Hs.592515	88.38	chr15	N/A	8	57.85
RASSF4	88.34	chr10	10q11.21	62	86.37
IDS	88.34	chrX	Xq28	125	245.06
RUNX1T1	88.31	chr8	8q22	120	265.24
CNP	88.29	chr17	17q21	59	123.60
Hs.687783	88.28	chr10	N/A	8	184.76
EFCAB12	88.25	chr3	3q21.3	14	65.41
Hs.730816	88.25	chr16	N/A	8	113.70
ARIH1	88.25	chr15	15q24	75	209.89
Hs.103334	88.25	chr5	N/A	10	285.20
DDRGK1	88.23	chr20	20p13	28	65.54
SLC13A1	88.23	chr7	7q31.32	74	306.04
FLJ31306	88.21	chr14	14q23.1	20	114.86
XPNPEP3	88.19	chr22	22q13.2	71	324.26
CTSO	88.19	chr4	4q32.1	51	150.88
Hs.662069	88.17	chr7	N/A	4	15.03
SULT1A4	88.17	chr16	N/A	32	57.25
ARMCX2	88.17	chrX	Xq21.33-q22.2	30	128.10
PRPF31	88.17	chr19	19q13.42	49	93.17
Hs.514216	88.15	chr17	N/A	7	74.42
COMMD9	88.15	chr11	11p13	28	57.80
DDX23	88.13	chr12	12q13.12	42	82.95
MDP1	88.12	chr14	14q12	21	37.88
NR1H2	88.12	chr19	19q13.3	50	85.82
Hs.705707	88.09	chr1	N/A	7	63.90
FNBP1L	88.08	chr1	1p22.1	42	98.50
CSNK1G2	88.07	chr19	19p13.3	54	89.51
ANGPTL4	88.07	chr19	19p13.3	42	161.53

SMARCA2	88.04	chr9	9p22.3	103	172.65
GP9	88.04	chr3	3q21.3	30	116.07
ICAM3	88.03	chr19	19p13.3-p13.2	38	85.16
TEX37	88.03	chr2	2p11.2	18	253.72
PTRHD1	88.02	chr2	2p23.3	23	100.85
Hs.567725	88.00	chr4	N/A	7	99.39
C9orf163	87.99	chr9	9q34.3	17	102.29
TMEM116	87.95	chr12	12q24.13	46	97.39
RDH11	87.94	chr14	14q24.1	65	107.36
IWS1	87.93	chr2	2q14.3	23	100.35
Hs.713903	87.91	chr12	N/A	3	10.21
PMM1	87.91	chr22	22q13.2	30	92.98
NOA1	87.90	chr4	4q12	26	72.41
ENO2	87.89	chr12	12p13	30	130.79
AGAP8	87.87	chr10	10q11.23	4	135.84
FADS1	87.85	chr11	11q12.2-q13.1	67	71.57
MARVELD1	87.83	chr10	10q24.2	11	53.06
Hs.705992	87.83	chr18	N/A	11	112.58
USP16	87.82	chr21	21q22.11	36	55.69
OTOG	87.80	chr11	11p15.1	15	152.47
UBE2S	87.77	chr19	19q13.43	52	65.05
BOLA2	87.75	chr16	16p11.2	64	136.00
FAM3C	87.74	chr7	7q31	67	93.00
GTPBP8	87.74	chr3	3q13.2	43	75.82
RUFY1	87.73	chr5	5q35.3	37	61.32
PEX19	87.73	chr1	1q23.2	45	74.14
Hs.734081	87.70	chr7	N/A	7	48.92
Hs.732292	87.70	chr12	N/A	1	0.00
EFNB1	87.69	chrX	Xq12	39	111.43
Hs.538554	87.68	chr10	N/A	3	13.44
CNNM4	87.67	chr2	2q11	35	77.16
HIPK1	87.67	chr1	1p13.2	80	217.19
Hs.107410	87.65	chr6	N/A	1	0.00
C7orf43	87.65	chr7	7q22.1	21	61.83
USP28	87.64	chr11	11q23	23	117.35
STARD3NL	87.63	chr7	7p14-p13	35	76.41
RBM28	87.63	chr7	7q32.1	28	68.10
FXR2	87.60	chr17	17p13.1	42	149.97
MANBAL	87.58	chr20	20q11.23-q12	30	120.65
PRPS1	87.57	chrX	Xq22.3	47	66.46
PCMTD1	87.57	chr8	8q11.23	63	170.67
NAT10	87.56	chr11	11p13	26	91.93
Hs.703361	87.55	chr6	N/A	7	68.36
CHMP1B	87.55	chr18	18p11.21	47	87.32
Hs.734342	87.52	chr17	N/A	3	47.11
CUX1	87.51	chr7	7q22.1	103	182.44
FDX1L	87.50	chr19	19p13.2	41	69.80
CA2	87.50	chr8	8q22	38	96.43
CDK18	87.50	chr1	1q31-q32	43	111.45
PISD	87.49	chr22	22q12.2	44	197.75
KIAA0100	87.48	chr17	17q11.2	40	68.33
RANBP2	87.48	chr2	2q12.3	65	126.89
MXRA8	87.46	chr1	1p36.33	58	126.62
RNMT	87.44	chr18	18p11.21	45	201.71
CTNND1	87.43	chr11	11q11	95	260.24
Hs.610328	87.39	chr2	N/A	1	0.00
PITPNM1	87.39	chr11	11q13	30	117.63
TP53INP1	87.38	chr8	8q22	33	68.14
Hs.745145	87.37	chr1	N/A	7	49.69
Hs.597423	87.36	chr1	N/A	7	84.01
INO80C	87.36	chr18	18q12.2	18	63.59
TPST2	87.33	chr22	22q12.1	47	135.05
Hs.637933	87.33	chr7	N/A	10	31.31
BEST4	87.32	chr1	1p33-p32.3	19	74.26
ARL14EP	87.32	chr11	11p14.1	36	164.95
DPP8	87.30	chr15	15q22	47	136.29

HILPDA	87.28	chr7	7q32.1	36	152.87
Hs.636828	87.26	chr15	N/A	1	0.00
SP1	87.26	chr12	12q13.1	75	260.20
OR10H2	87.25	chr19	19p13.1	21	116.82
Hs.657637	87.24	chr17	N/A	1	0.00
Hs.708437	87.19	chr12	N/A	7	66.52
GATM	87.19	chr15	15q21.1	48	113.81
ELF2	87.16	chr4	4q28	49	134.31
FAM173A	87.10	chr16	16p13.3	24	62.43
AEBP1	87.08	chr7	7p13	47	80.91
SLC16A12	87.08	chr10	10q23.31	46	304.03
TICAM2	87.06	chr5	5q23.1	67	237.11
SIRT3	87.05	chr11	11p15.5	67	89.12
Hs.280461	87.04	chr4	N/A	17	267.89
Hs.713907	87.02	chr20	N/A	9	101.85
HIF1A	87.02	chr14	14q23.2	158	199.01
FAM160A2	87.01	chr11	11p15.4	26	70.64
VAMP7	87.00	chrX	Xq28 and Yq12	30	65.79
SIAH2	86.96	chr3	3q25	30	132.56
TMEM38B	86.95	chr9	9q31.2	57	101.36
GNP7	86.94	chr19	19p13.3	61	95.39
Hs.678582	86.92	chr8	N/A	3	4.07
DNAJB4	86.90	chr1	1p31.1	50	101.04
ARF6	86.89	chr14	14q21.3	55	194.07
CREBRF	86.88	chr5	5q35.1	43	127.88
EDARADD	86.88	chr1	1q42.3	25	109.76
RAMP2	86.87	chr17	17q12-q21.1	42	152.33
ACBD3	86.86	chr1	1q42.12	42	135.03
SUGP2	86.85	chr19	19p12	73	94.69
HMGXB3	86.85	chr5	5q32	22	66.81
ASNA1	86.85	chr19	19q13.3	37	119.82
PROP1	86.84	chr5	5q35.3	23	115.16
OLA1	86.84	chr2	2q31.1	80	226.45
SPTSSA	86.83	chr14	14q13.1	44	98.66
Hs.707343	86.76	chr3	N/A	6	89.15
Hs.676589	86.76	chr16	N/A	8	14.93
PIP5K1A	86.70	chr1	1q21.3	79	188.57
TMC6	86.68	chr17	17q25.3	44	100.32
KAT2A	86.65	chr17	17q21	23	45.92
ASB16	86.63	chr17	17q21.31	27	52.06
C9orf78	86.58	chr9	9q34.11	35	114.16
MCM7	86.58	chr7	7q21.3-q22.1	41	78.67
XYLT2	86.56	chr17	17q21.33	22	92.17
CCDC23	86.56	chr1	1p34.2	18	102.86
Hs.272234	86.55	chr1	N/A	1	0.00
SUPT6H	86.54	chr17	17q11.2	58	152.35
C2CD4A	86.53	chr15	15q22.2	21	117.58
Hs.596132	86.50	chr5	N/A	7	65.25
TM9SF1	86.47	chr14	14q11.2	45	69.67
SNW1	86.39	chr14	14q24.3	35	73.99
SLC2A12	86.37	chr6	6q23.2	36	138.61
PDGFB	86.37	chr22	22q13.1	72	152.67
INPP5E	86.30	chr9	9q34.3	47	102.37
SPI1	86.30	chr11	11p11.2	47	167.38
GM2A	86.28	chr5	5q33.1	99	324.11
HIST1H2BK	86.25	chr6	6p21.33	31	114.65
MTR	86.24	chr1	1q43	63	111.67
GALT	86.23	chr9	9p13	52	79.26
UBAP2	86.23	chr9	9p13.3	35	69.17
HDDC3	86.22	chr15	15q26.1	19	74.27
CAMSAP2	86.20	chr1	1q32.1	56	242.97
SLC2A1	86.20	chr1	1p34.2	63	144.15
PELO	86.20	chr5	5q11.2	74	136.04
METRN	86.18	chr16	16p13.3	28	55.97
NELFB	86.18	chr9	9q34	39	88.30
ARHGEF7	86.15	chr13	13q34	85	159.90

ATXN2	86.14	chr12	12q24.1	48	187.15
CREM	86.11	chr10	10p11.21	108	229.98
Hs.599179	86.11	chr5	N/A	19	91.87
SUMO4	86.07	chr6	6q25	8	123.94
SRPK3	86.07	chrX	Xq28	40	84.40
TMEM140	86.06	chr7	7q33	34	101.15
FLJ45445	86.06	chr19	19p13.3	14	84.05
SRRT	86.04	chr7	7q21	82	168.97
Hs.734008	86.04	chr3	N/A	7	156.70
STX10	86.00	chr19	19p13.2	30	72.05
LYPLA1	85.99	chr8	8q11.23	41	126.47
SCRN2	85.95	chr17	17q21.32	30	108.35
Hs.596566	85.92	chr19	N/A	7	62.58
Hs.721954	85.89	chr8	N/A	10	100.61
DPM3	85.87	chr1	1q22	44	74.81
DIP2A	85.86	chr21	21q22.3	88	375.69
Hs.686925	85.86	chr20	N/A	3	4.80
CCDC3	85.84	chr10	10p13	31	61.49
NFKBIZ	85.83	chr3	3p12-q12	34	180.86
MARCH9	85.83	chr12	12q14.1	34	134.68
Hs.745058	85.82	chr20	N/A	8	140.51
PEPD	85.77	chr19	19q13.11	48	134.34
PIM1	85.76	chr6	6p21.2	47	100.72
CDC37L1	85.73	chr9	9p24.1	29	81.87
C11orf57	85.73	chr11	11q23.1	61	162.38
TINAGL1	85.66	chr1	1p35.2	31	120.72
EDNRB	85.66	chr13	13q22	69	270.10
GP1BB	85.64	chr22	22q11.21	22	66.62
ZMYM4	85.62	chr1	1p32-p34	54	122.79
CMTM8	85.61	chr3	3p22.3	19	113.57
SEC16A	85.61	chr9	9q34.3	51	128.26
Hs.530171	85.60	chr8	N/A	7	90.38
NFAM1	85.54	chr22	22q13.2	23	197.12
Hs.370287	85.54	chr2	N/A	32	91.11
NCBP2	85.53	chr3	3q29	53	114.64
FEZ1	85.52	chr11	11q24.2	67	97.02
N4BP2L2	85.52	chr13	13q13.1	117	120.59
Hs.740758	85.52	chr19	N/A	10	95.05
SORBS3	85.51	chr8	8p21.3	41	91.35
FAM219A	85.49	chr9	9p13.3	26	63.17
ITGA5	85.48	chr12	12q11-q13	28	111.58
SULT1A3	85.47	chr16	16p11.2	44	120.67
JAM2	85.46	chr21	21q21.2	46	95.06
FLJ44124	85.42	chr7	7p22.3	10	149.13
BCL6	85.40	chr3	3q27	64	147.95
LTBP2	85.40	chr14	14q24	81	145.39
RARS2	85.34	chr6	6q16.1	29	77.46
SRSF6	85.34	chr20	20q12-q13.1	37	227.49
CMSS1	85.34	chr3	3q12.1	36	86.18
Hs.555954	85.34	chr6	N/A	8	92.36
HACL1	85.34	chr3	3p25.1	26	56.91
Hs.550811	85.33	chr1	N/A	11	163.49
Hs.708782	85.33	chr11	N/A	3	6.13
C11orf54	85.30	chr11	11q21	41	74.13
ERGIC2	85.29	chr12	12p11.22	133	94.80
LMAN2	85.23	chr5	5q35.3	43	99.65
ATP8B2	85.22	chr1	1q21.3	58	189.76
P4HTM	85.21	chr3	3p21.3	65	127.68
Hs.730747	85.19	chr5	N/A	8	99.30
FCGR3A	85.19	chr1	1q23	41	106.42
YAP1	85.18	chr11	11q13	49	149.34
Hs.720681	85.15	chr17	N/A	7	108.11
Hs.731534	85.15	chr19	N/A	5	37.87
ATG4A	85.14	chrX	Xq22.1-q22.3	33	76.91
PCTP	85.14	chr17	17q21-q24	30	97.53
SLA	85.10	chr8	8q24	53	334.45

BRMS1	85.08	chr11	11q13-q13.2	35	131.35
SMNDC1	85.06	chr10	10q23	30	71.30
Hs.732605	85.02	chr2	N/A	7	227.03
Hs.534185	85.02	chr9	N/A	7	74.18
Hs.708183	85.01	chr2	N/A	5	115.40
TBL1XR1	85.01	chr3	3q26.32	114	216.30
FCGBP	85.00	chr19	19q13.1	53	147.65
ICA1	84.94	chr7	7p22	84	91.35
NKD2	84.94	chr5	5p15.3	36	92.11
TOMM40	84.93	chr19	19q13	53	155.36
GOLGA6L4	84.86	chr15	15q25.2	18	68.92
ESYT1	84.86	chr12	12q13.2	30	88.85
GBP2	84.86	chr1	1p22.2	37	143.73
Hs.606473	84.84	chr2	N/A	3	6.21
SLFN11	84.83	chr17	17q12	37	96.84
SEMA3B	84.81	chr3	3p21.3	41	112.12
ZBTB38	84.77	chr3	3q23	58	138.90
Hs.538451	84.76	chr10	N/A	10	47.41
Hs.666512	84.75	chr16	N/A	7	147.42
SMPD1	84.74	chr11	11p15.4-p15.1	45	111.80
NFYC	84.74	chr1	1p32	64	97.42
LRRC40	84.70	chr1	1p31.1	40	306.99
Hs.663087	84.63	chr14	N/A	15	331.98
KDM1A	84.62	chr1	1p36.12	44	103.28
ANTXR2	84.61	chr4	4q21.21	63	118.92
EXTL3	84.59	chr8	8p21	43	85.26
Hs.564949	84.58	chr16	N/A	3	9.17
LOC391322	84.55	chr22	22q11.23	5	116.94
PRAF2	84.54	chrX	Xp11.23	30	84.21
EEF1E1	84.53	chr6	6p24.3	47	124.15
ZRANB1	84.49	chr10	10q26.13	50	119.62
NUDT16	84.49	chr3	3q22.1	46	60.99
FAM53C	84.48	chr5	5q31	51	100.68
IFT172	84.45	chr2	2p23.3	24	80.44
SOX11	84.44	chr2	2p25	57	321.92
Hs.694868	84.43	chr5	N/A	14	115.19
SNX27	84.42	chr1	1q21.3	63	133.41
APOL3	84.41	chr22	22q13.1	44	73.23
DAB2	84.41	chr5	5p13	71	105.18
NEUROG1	84.40	chr5	5q23-q31	21	88.55
CRYZ	84.39	chr1	1p31.1	39	83.97
SLAMF6	84.39	chr1	1q23.2	33	263.07
ANKS1A	84.38	chr6	6p21.31	44	115.62
Hs.592785	84.37	chrX	N/A	3	0.08
Hs.596498	84.34	chr8	N/A	7	220.70
SLC19A2	84.33	chr1	1q23.3	30	67.86
NAE1	84.27	chr16	16q22	36	75.41
CSK	84.26	chr15	15q24.1	38	121.88
Hs.655980	84.24	chr11	N/A	1	0.00
ZNFX1	84.20	chr20	20q13.13	43	231.16
ASAP3	84.15	chr1	1p36.12	26	83.82
MRS2	84.14	chr6	6p22.3-p22.1	49	118.77
CNPY2	84.13	chr12	12q15	58	91.68
CDK11B	84.12	chr1	1p36.33	73	76.39
PHLDB1	84.12	chr11	11q23.3	40	118.23
TRUB2	84.10	chr9	9q34.11	24	50.37
Hs.705857	84.10	chr20	N/A	14	73.39
ZNF679	84.10	chr7	7q11.21	16	60.49
Hs.679020	84.10	chr20	N/A	3	11.12
DDHD2	84.09	chr8	8p11.23	64	166.61
UBE2E1	84.08	chr3	3p24.2	41	226.66
AIG1	84.07	chr6	6q24.2	63	100.68
PSMC4	84.05	chr19	19q13.11-q13.13	45	111.17
IPO5	84.05	chr13	13q32.2	65	122.93
TSNAX	84.04	chr1	1q42.1	7	74.86
RBCK1	84.03	chr20	20p13	45	69.85

Hs.436189	84.03	chr20	N/A	13	69.35
NSFL1C	84.02	chr20	20p13	77	88.64
C12orf44	84.02	chr12	12q13.13	28	92.23
SGSM2	83.99	chr17	17p13.3	57	171.21
Hs.122514	83.98	chr8	N/A	1	0.00
IL21R	83.97	chr16	16p11	60	391.68
C19orf52	83.93	chr19	19p13.2	19	70.67
Hs.712705	83.92	chr10	N/A	7	67.31
ASH2L	83.92	chr8	8p11.2	40	91.27
Hs.656455	83.88	chr3	N/A	4	158.03
SERP2	83.86	chr13	13q14.11	27	89.49
TMEM99	83.83	chr17	17q21.2	19	72.90
PPP1R35	83.83	chr7	7q22.1	24	65.10
ERBB2IP	83.82	chr5	5q12.3	47	154.60
Hs.677038	83.79	chr4	N/A	1	0.00
PRICKLE1	83.79	chr12	12q12	33	115.55
C10orf54	83.78	chr10	10q22.1	24	72.91
METTL17	83.77	chr14	14q11.2	44	124.54
ATXN7L3B	83.77	chr12	12q21	29	121.26
Hs.715202	83.75	chr4	N/A	19	300.70
ARNT2	83.75	chr15	15q24	30	219.95
Hs.21572	83.73	chr7	N/A	7	80.29
KANSL2	83.72	chr12	12q13.11	21	132.93
UBR5	83.72	chr8	8q22	76	241.05
MFSD3	83.71	chr8	8q24.3	20	116.00
Hs.647016	83.64	chr7	N/A	17	194.50
PCDP1	83.62	chr2	2q14.2	33	226.28
MRGPRX3	83.59	chr11	11p15.1	19	199.97
BMI1	83.59	chr10	10p11.23	73	137.25
CRLF1	83.58	chr19	19p12	32	119.52
IBTK	83.56	chr6	6q14.1	45	106.92
UBE4B	83.53	chr1	1p36.3	62	87.79
Hs.597711	83.50	chr13	N/A	7	48.04
MTMR4	83.47	chr17	17q22-q23	59	230.79
CBFB	83.46	chr16	16q22.1	60	98.25
CSEIL	83.46	chr20	20q13	51	92.07
FCAMR	83.46	chr1	1q32.1	39	332.33
LSM5	83.42	chr7	7p14.3	55	145.58
TNS3	83.42	chr7	7p12.3	50	156.98
ATP2C1	83.41	chr3	3q22.1	85	179.03
Hs.697350	83.40	chr17	N/A	3	1.54
DDX41	83.40	chr5	5q35.3	28	92.49
NPRL2	83.40	chr3	3p21.3	53	118.68
KCTD10	83.38	chr12	12q24.11	37	77.67
RBFA	83.38	chr18	18q23	21	42.61
DYRK4	83.38	chr12	12p13.32	30	82.69
MACF1	83.37	chr1	1p32-p31	97	148.71
Hs.657316	83.37	chr12	N/A	3	5.05
FAM210A	83.36	chr18	18p11.21	59	83.99
MAN2B1	83.36	chr19	19cen-q13.1	36	74.33
OAF	83.36	chr11	11q23.3	32	210.12
Hs.575085	83.33	chr4	N/A	3	8.04
LDOC1	83.33	chrX	Xq27	28	152.93
DHRS12	83.30	chr13	13q14.3	52	184.83
LOC100506844	83.30	chr12	N/A	8	56.89
TOR4A	83.30	chr9	9q34.3	33	66.26
NUP85	83.30	chr17	17q25.1	28	58.23
CARKD	83.28	chr13	13q34	55	90.59
ANKRD36C	83.28	chr2	2q11.1	29	112.34
TAPBP	83.27	chr6	6p21.3	96	166.08
Hs.539765	83.27	chr13	N/A	3	12.69
NOP58	83.27	chr2	2q33.1	17	70.05
Hs.720660	83.25	chr14	N/A	7	128.52
TGM7	83.24	chr15	15q15.2	22	291.53
USP10	83.23	chr16	16q24.1	45	151.32
Hs.732449	83.22	chr22	N/A	2	20.85

Hs.6729	83.20	chr2	N/A	10	90.09
ZNF2	83.17	chr2	2q11.2	44	171.68
CLPX	83.17	chr15	15q22.31	48	52.62
MAFG	83.16	chr17	17q25.3	57	94.04
CCNC	83.14	chr6	6q21	46	117.73
SGSM3	83.14	chr22	22q13.1-q13.2	57	162.53
CCDC43	83.13	chr17	17q21.31	36	97.38
EIF4EBP1	83.12	chr8	8p12	30	79.60
CEP170B	83.11	chr14	14q32.33	26	78.83
COX11	83.10	chr17	17q22	95	111.55
UTRN	83.09	chr6	6q24	72	203.83
RPA1	83.06	chr17	17p13.3	55	132.72
DECR2	83.01	chr16	16p13.3	28	54.15
ANKRD11	83.00	chr16	16q24.3	112	146.56
Hs.602682	83.00	chr2	N/A	7	60.23
CCDC127	82.98	chr5	5p15.33	26	54.61
PRCC	82.98	chr1	1q21.1	33	119.58
NFYB	82.96	chr12	12q22-q23	65	168.53
WBSCR17	82.93	chr7	7q11.23	36	178.97
SCAF11	82.93	chr12	12q12	110	163.24
MEAF6	82.90	chr1	1p35.3-p33	50	116.30
VPS26A	82.88	chr10	10q21.1	47	102.00
PNPLA4	82.88	chrX	Xp22.3	45	84.05
OR10AD1	82.87	chr12	12q13.11	8	165.96
EFCAB4A	82.87	chr11	11p15.5	26	66.82
RETSAT	82.79	chr2	2p11.2	31	77.53
LOC100505876	82.77	chr2	2p22	27	188.63
RPA3	82.75	chr7	7p22	40	108.87
SREBF1	82.72	chr17	17p11.2	61	133.36
RUSC2	82.71	chr9	9p13.3	30	73.12
PSPH	82.71	chr7	7p11.2	65	136.15
PEX11B	82.71	chr1	1q21.1	40	151.22
C5orf28	82.69	chr5	5p12	32	210.04
SCFD1	82.68	chr14	14q12	41	105.16
Hs.721442	82.67	chr10	N/A	3	3.71
FAM110D	82.67	chr1	1p36.11	34	129.35
STK25	82.65	chr2	2q37.3	66	121.42
Hs.669961	82.65	chr20	N/A	1	0.00
HEG1	82.64	chr3	3q21.2	47	134.95
Hs.705852	82.63	chr4	N/A	7	166.09
TUBA3E	82.63	chr2	2q21.1	6	100.95
CARHSP1	82.62	chr16	16p13.2	36	106.04
Hs.599804	82.62	chr6	N/A	7	90.19
BRD9	82.62	chr5	5p15.33	24	170.50
C21orf90	82.59	chr21	21q22.3	25	411.67
Hs.44380	82.59	chr4	N/A	14	119.18
PPIL3	82.58	chr2	2q33.1	28	104.17
HNRNPL	82.58	chr19	19q13.2	48	82.09
YIPF4	82.58	chr2	2p22.3	50	99.31
PTGES3L-AARSD	82.49	chr17	17q	46	109.84
ABCF3	82.48	chr3	3q27.1	37	63.21
FNIP2	82.46	chr4	4q32.1	50	121.67
KCNK7	82.45	chr11	11q13	40	169.20
SLC9A3R1	82.43	chr17	17q25.1	30	48.29
TBC1D7	82.41	chr6	6p24.1	32	78.41
AIFM2	82.40	chr10	10q22.1	48	97.42
Hs.603315	82.39	chr7	N/A	7	81.20
NARF	82.39	chr17	17q25.3	38	76.98
Hs.707402	82.37	chr14	N/A	7	78.74
CST5	82.34	chr20	20p11.21	23	123.45
Hs.594162	82.34	chr7	N/A	7	54.89
Hs.571520	82.32	chr8	N/A	7	52.00
Hs.585281	82.32	chr22	N/A	20	108.62
SOX3	82.29	chrX	Xq27.1	56	168.88
MADD	82.29	chr11	11p11.2	41	60.81
MFSD5	82.27	chr12	12q13.13	42	70.05

NOL6	82.23	chr9	9p13.3	44	131.03
GID8	82.22	chr20	20q13.33	53	140.38
GFM2	82.21	chr5	5q13	48	96.74
NOB1	82.20	chr16	16q22.3	36	228.54
GTPBP2	82.19	chr6	6p21	38	132.68
Hs.499297	82.17	chr10	N/A	14	192.36
Hs.596753	82.17	chr3	N/A	8	44.51
EIF4G3	82.14	chr1	1p36.12	64	145.27
BICD2	82.12	chr9	9q22.31	49	160.97
XRCC1	82.11	chr19	19q13.2	28	79.54
Hs.638682	82.11	chr20	N/A	1	0.00
C1GALT1C1	82.10	chrX	Xq24	34	91.49
DCAF13	82.09	chr8	8q22.3	41	147.61
Hs.715921	82.09	chr11	N/A	7	83.68
IMPA1	82.05	chr8	8q21.13-q21.3	53	87.62
GOLPH3L	82.05	chr1	1q21.3	37	372.53
PMEPA1	82.04	chr20	20q13.31-q13.33	86	110.31
LOC100507221	82.03	chr16	N/A	4	65.85
LINC00087	81.99	chrX	Xq26.3	18	70.96
CENPV	81.98	chr17	17p11.2	21	136.77
Hs.630993	81.97	chr7	N/A	8	171.25
MICAL2	81.97	chr11	11p15.3	64	109.09
NT5C	81.96	chr17	17q25.1	24	86.19
DDX27	81.95	chr20	20q13.13	33	63.63
RELL1	81.95	chr4	4p14	26	70.93
Hs.554083	81.94	chr11	N/A	7	72.37
ZNF511	81.93	chr10	10q26.3	26	94.32
GPR152	81.92	chr11	11q13.2	5	130.36
AP1M1	81.89	chr19	19p13.12	27	110.39
Hs.24990	81.89	chr3	N/A	5	70.77
SUPT16H	81.87	chr14	14q11.2	52	157.08
SERF1B	81.87	chr5	5q13.2	44	80.15
ELP2	81.87	chr18	18q12.2	44	75.65
C20orf141	81.85	chr20	20p13	29	113.39
MMRN2	81.85	chr10	10q23.2	47	80.39
RAB8A	81.82	chr19	19p13.1	46	131.70
Hs.576694	81.82	chr10	N/A	3	8.20
CUEDC1	81.77	chr17	17q23.2	36	214.60
SCYL2	81.77	chr12	12q23.1	49	217.87
KRTAP10-10	81.76	chr21	21q22.3	19	93.35
UBQLN1	81.73	chr9	9q21.2-q21.3	102	113.13
CREBZF	81.73	chr11	11q14	71	188.75
NBEA	81.73	chr13	13q13	41	161.50
CUL4B	81.71	chrX	Xq23	60	261.20
APPL1	81.65	chr3	3p21.1-p14.3	53	115.29
FAM220A	81.64	chr7	7p22.1	29	119.92
DNAJC5	81.63	chr20	20q13.33	19	61.76
Hs.707224	81.63	chr17	N/A	7	85.42
CYFIP2	81.63	chr5	5q33.3	61	97.51
CACNA1I	81.62	chr22	22q13.1	54	213.06
MUC3A	81.60	chr7	7q22	77	139.26
MCTS1	81.58	chrX	Xq24	44	94.62
SDK2	81.58	chr17	17q25.1	63	218.43
CHORDC1	81.55	chr11	11q14.3	57	150.66
FAM115C	81.53	chr7	7q35	46	293.26
DHX30	81.52	chr3	3p21.31	62	89.52
NAA10	81.46	chrX	Xq28	35	72.31
DOK4	81.43	chr16	16q21	58	179.19
Hs.602352	81.42	chr17	N/A	7	56.85
DDX42	81.41	chr17	17q23.3	45	99.93
MAP3K7	81.41	chr6	6q15	62	83.08
CENPO	81.40	chr2	2p23.3	49	212.96
CD300LG	81.40	chr17	17q21.31	39	149.72
CPOX	81.38	chr3	3q12	27	179.57
RARRES2	81.35	chr7	7q36.1	38	110.36
EGFL7	81.34	chr9	9q34.3	31	69.47

MAL	81.33	chr2	2q11.1	41	71.18
Hs.513522	81.30	chr16	N/A	7	119.31
TGIF1	81.30	chr18	18p11.3	49	208.06
HSF2	81.29	chr6	6q22.31	61	92.88
YIPF6	81.28	chrX	Xq12	76	108.50
PIGB	81.25	chr15	15q21.3	37	128.44
VPS37A	81.25	chr8	8p22	68	90.42
EHD1	81.22	chr11	11q13	77	131.16
DBN1	81.19	chr5	5q35.3	46	105.03
IPO8	81.18	chr12	12p11.21	49	205.49
TBC1D8	81.17	chr2	2q11.2	48	93.46
ORC3	81.16	chr6	6q14.3-q16.1	30	124.41
TSPYL2	81.14	chrX	Xp11.2	60	142.55
ACTR2	81.12	chr2	2p14	52	113.16
COPZ2	81.09	chr17	17q21.32	36	77.24
ALDH4A1	81.08	chr1	1p36	77	79.77
ST6GALNAC6	81.06	chr9	9q34.11	24	117.40
GIMAP7	81.05	chr7	7q36.1	22	54.92
Hs.603324	81.05	chr12	N/A	7	88.28
SHARPIN	81.04	chr8	8q24.3	38	106.94
CD55	81.02	chr1	1q32	76	199.55
Hs.604782	81.01	chr18	N/A	7	77.94
KRT3	81.00	chr12	12q13.13	23	165.98
PLXNB2	80.99	chr22	22q13.33	55	93.04
AKR7A3	80.98	chr1	1p36.13	31	85.33
Hs.607645	80.97	chr14	N/A	1	0.00
LST1	80.97	chr6	6p21.3	74	127.74
LOC100507477	80.96	chr6	N/A	12	65.58
MORN2	80.96	chr2	2p22.1	24	33.51
TMEM11	80.95	chr17	17p11.2	38	74.53
TCEA1	80.94	chr8	8q11.2	65	127.41
S100B	80.92	chr21	21q22.3	31	140.88
SF3B3	80.91	chr16	16q22.1	67	154.10
GTF3C5	80.91	chr9	9q34	22	63.24
ANXA3	80.91	chr4	4q21.21	28	60.38
ELP5	80.88	chr17	17p13.1	45	91.34
PLCL2	80.86	chr3	3p24.3	50	83.03
GTF2I	80.86	chr7	7q11.23	111	149.36
FAM160B1	80.83	chr10	10q25.3	51	123.35
BAG2	80.82	chr6	6p12.1-p11.2	21	58.05
Hs.658106	80.81	chr6	N/A	9	109.29
MYOCD	80.75	chr17	17p11.2	23	203.67
RB1CC1	80.75	chr8	8q11	56	113.07
HEY1	80.74	chr8	8q21	39	95.94
CCL16	80.72	chr17	17q11.2	30	157.48
Hs.442696	80.70	chr6	N/A	3	5.98
SPECC1L	80.70	chr22	22q11.23	54	140.89
Hs.696462	80.69	chr3	N/A	3	63.94
SPRR1A	80.68	chr1	1q21-q22	43	132.39
SLC35E1	80.68	chr19	19p13.11	75	148.24
Hs.600029	80.65	chr15	N/A	7	51.69
FOXO3	80.64	chr6	6q21	107	193.92
CLDN12	80.61	chr7	7q21	37	122.59
FAM20C	80.60	chr7	7p22.3	32	91.68
Hs.581234	80.60	chr3	N/A	3	10.52
CACNA1C	80.59	chr12	12p13.3	83	129.26
C6orf203	80.57	chr6	6q21	34	71.26
CASK	80.57	chrX	Xp11.4	77	348.86
C1QTNF5	80.56	chr11	11q23.3	45	92.34
MAP3K11	80.54	chr11	11q13.1-q13.3	33	102.83
PEMT	80.52	chr17	17p11.2	46	130.52
C2orf47	80.52	chr2	2q33.1	33	119.61
LY6E	80.52	chr8	8q24.3	35	135.50
Hs.521782	80.50	chr8	N/A	4	38.08
FAM189A2	80.50	chr9	9q21.11	50	101.96
SIRT5	80.49	chr6	6p23	81	138.89

DGKD	80.49	chr2	2q37.1	41	87.75
SPAG9	80.48	chr17	17q21.33	122	226.08
Hs.635750	80.46	chr15	N/A	3	15.86
PRKACA	80.46	chr19	19p13.1	67	172.37
TATDN2	80.45	chr3	3p25.3	28	75.34
Hs.723380	80.45	chr4	N/A	7	90.09
TMEM91	80.43	chr19	19q13.2	4	55.30
TKT	80.40	chr3	3p14.3	44	97.55
ATP6V1A	80.40	chr3	3q13.31	68	131.56
Hs.707170	80.39	chr17	N/A	5	64.26
CLEC2D	80.38	chr12	12p13	94	267.73
PPP1R8	80.38	chr1	1p35.3	46	138.14
Hs.655051	80.37	chr17	N/A	8	45.17
Hs.656129	80.35	chr5	N/A	1	0.00
GTF2B	80.35	chr1	1p22-p21	41	146.08
RASL12	80.33	chr15	15q11.2-q22.33	36	84.40
TRIB2	80.33	chr2	2p24.3	58	125.15
LAMP2	80.32	chrX	Xq24	108	115.83
NAPG	80.31	chr18	18p11.22	74	134.49
Hs.656664	80.30	chr16	N/A	7	57.17
RNASET2	80.29	chr6	6q27	74	142.62
GMPR2	80.28	chr14	14q12	37	89.08
H2AFY2	80.26	chr10	10q22.1	21	176.29
DHRS1	80.25	chr14	14q12	42	62.10
PHF11	80.24	chr13	13q14.2	35	123.38
SEMA4C	80.21	chr2	2q11.2	43	112.18
Hs.732811	80.21	chr10	N/A	7	71.62
NSUN5	80.20	chr7	7q11.23	39	82.27
CRBN	80.15	chr3	3p26.2	49	119.34
OGFOD3	80.14	chr17	17q25.3	67	80.54
C1orf54	80.13	chr1	1q21.2	35	71.30
ZMYM2	80.10	chr13	13q11-q12	94	198.63
Hs.659607	80.10	chr14	N/A	7	24.65
RARRES1	80.09	chr3	3q25.32	55	359.23
AKAP6	80.06	chr14	14q12	57	284.72
Hs.592572	80.06	chr3	N/A	23	135.31
TSHZ1	80.05	chr18	18q22.3	34	70.67
MAGEH1	80.03	chrX	Xp11.21	24	36.22
CSNK2A3	80.02	chr11	11p15.3	6	16.25
SETMAR	80.02	chr3	3p26.1	43	191.35
Hs.604363	80.01	chr7	N/A	10	111.26
Hs.670421	80.00	chr5	N/A	1	0.00
GSTO2	80.00	chr10	10q25.1	26	187.81
PPP1R13B	79.99	chr14	14q32.33	44	213.41
Hs.363431	79.99	chr14	N/A	11	60.18
FUCA1	79.96	chr1	1p34	31	56.24
ASCC1	79.94	chr10	10pter-q25.3	38	176.04
MRGPRF	79.91	chr11	11q13.3	38	116.73
HIST1H3A	79.90	chr6	6p22.1	21	93.82
PAPOLA	79.90	chr14	14q32.31	109	151.51
DPCD	79.90	chr10	10q24.32	25	46.16
SF3B4	79.88	chr1	1q21.2	30	164.63
Hs.600897	79.87	chr3	N/A	7	81.96
BRPF1	79.87	chr3	3p26-p25	31	210.35
PCP4	79.87	chr21	21q22.2	29	193.67
GGCT	79.86	chr7	7p15-p14	32	64.45
SLC4A1AP	79.84	chr2	2p23.3	30	59.88
ZNF787	79.82	chr19	19q13.43	32	133.37
MAX	79.82	chr14	14q23	88	127.87
Hs.512011	79.82	chr12	N/A	24	25.96
RRM1	79.81	chr11	11p15.5	46	104.23
RNPEPL1	79.80	chr2	2q37.3	28	64.82
MED9	79.80	chr17	17p11.2	38	72.18
CYP2B6	79.76	chr19	19q13.2	57	188.84
TRAC	79.73	chr14	14q11	5	45.57
CLCN7	79.71	chr16	16p13	47	228.65

C19orf10	79.70	chr19	19p13.3	39	109.96
FAM214A	79.67	chr15	15q21.2-q21.3	51	119.41
PRDM11	79.67	chr11	11p11	84	456.49
Hs.729630	79.66	chr10	N/A	15	121.93
FASTKD1	79.66	chr2	2q31	41	112.48
KRT5	79.63	chr12	12q13.13	42	342.84
MMP23B	79.63	chr1	1p36.3	66	104.57
LCLAT1	79.62	chr2	2p23.1	41	130.19
MMP17	79.62	chr12	12q24.3	43	123.32
PKIB	79.62	chr6	6q22.31	44	276.70
RRAS2	79.61	chr11	11p15.2	54	110.36
CHMP1A	79.61	chr16	16q24.3	55	64.43
Hs.596785	79.59	chrX	N/A	7	46.21
TBC1D15	79.57	chr12	12q21.1	50	98.82
PFN2	79.54	chr3	3q25.1	38	150.93
PLRG1	79.52	chr4	4q31.2-q32.1	33	144.94
RWDD3	79.52	chr1	1p21.3	33	59.77
CD83	79.51	chr6	6p23	33	120.80
TTC4	79.50	chr1	1p32.3	18	173.58
INPP1	79.47	chr2	2q32	40	83.72
TRIM44	79.47	chr11	11p13	54	139.16
Hs.731987	79.44	chr19	N/A	17	157.08
Hs.694201	79.42	chr12	N/A	1	0.00
COX4I2	79.40	chr20	20q11.21	19	113.19
SLC2A3	79.40	chr12	12p13.3	50	225.57
FAM131A	79.39	chr3	3q27.1	45	81.19
EPN2	79.38	chr17	17p11.2	36	114.80
ARF3	79.35	chr12	12q13	62	107.07
H2AFX	79.34	chr11	11q23.3	52	95.06
Hs.623022	79.30	chr17	N/A	3	5.53
SMIM14	79.29	chr4	4p14	41	117.69
Hs.731851	79.23	chr14	N/A	7	118.38
TSPYL5	79.17	chr8	8q22.1	37	88.12
PPP1R10	79.16	chr6	6p21.3	42	120.76
CIAO1	79.15	chr2	2q11.2	55	93.07
NIT1	79.15	chr1	1q21-q22	67	104.88
Hs.715708	79.14	chr13	N/A	3	5.80
CRHR1	79.13	chr17	17q12-q22	53	168.26
MAP1A	79.13	chr15	15q15.3	49	153.86
COL5A3	79.11	chr19	19p13.2	40	176.95
RAB3IL1	79.11	chr11	11q12.2	28	151.95
MED20	79.09	chr6	6p21.1	35	147.25
BIRC6	79.06	chr2	2p22.3	55	194.36
CIRH1A	79.05	chr16	16q22.1	46	103.88
PCNXL4	79.03	chr14	14q23.1	53	229.65
UBE2J1	79.03	chr6	6q15	63	199.53
DENR	79.02	chr12	12q24.31	37	95.00
SPRY4	79.02	chr5	5q31.3	44	140.17
ALOX12	79.01	chr17	17p13.1	47	244.26
NPLOC4	79.01	chr17	17qter	41	85.31
Hs.731736	79.00	chr7	N/A	7	81.45
GBF1	78.98	chr10	10q24	44	90.38
WDTC1	78.95	chr1	1p36.11	51	119.18
CCL5	78.95	chr17	17q11.2-q12	50	113.11
CYB561A3	78.94	chr11	11q12.2	26	163.94
ADRA2C	78.90	chr4	4p16	31	87.33
FAM85A	78.90	chr8	8p23.1	1	0.00
Hs.664073	78.87	chr4	N/A	1	0.00
CHMP2B	78.86	chr3	3p11.2	69	128.69
ADPRHL2	78.86	chr1	1p34.3	19	112.10
HIST2H2AC	78.84	chr1	1q21.2	23	82.93
LIN7B	78.79	chr19	19q13.3	29	68.68
TDP2	78.78	chr6	6p22.3-p22.1	33	76.79
OXLD1	78.77	chr17	17q25.3	33	100.88
Hs.576373	78.75	chr1	N/A	3	15.20
MYC	78.74	chr8	8q24.21	110	144.68

NUP133	78.71	chr1	1q42.13	46	77.94
AGBL3	78.71	chr7	7q33	41	353.30
Hs.702386	78.71	chr2	N/A	7	102.35
UBE2O	78.71	chr17	17q25.1	41	78.09
Hs.522924	78.70	chr10	N/A	21	195.70
TMEM160	78.70	chr19	19q13.32	28	81.90
ASCC2	78.68	chr22	22q12.1	32	173.37
HCST	78.68	chr19	19q13.1	27	77.08
SMIM12	78.67	chr1	1p34.3	45	127.76
Hs.292860	78.66	chr7	N/A	12	60.05
TMEM88	78.62	chr17	17p13.1	24	90.76
FTX	78.62	chrX	Xq13.2	5	146.34
MESDC2	78.62	chr15	15q13	33	99.39
ARID4B	78.59	chr1	1q42.1-q43	83	200.52
POLDIP3	78.59	chr22	22q13.2	62	129.83
B3GALNT1	78.58	chr3	3q25	51	122.47
KDM5D	78.57	chrY	Yq11	30	87.16
SEPT5	78.57	chr22	22q11.21	54	205.75
CMTM6	78.56	chr3	3p22.3	40	63.95
Hs.592551	78.56	chr1	N/A	8	142.39
Hs.711669	78.55	chr12	N/A	7	46.46
PLIN3	78.54	chr19	19p13.3	39	75.26
MED25	78.53	chr19	19q13.3	29	221.49
THY1	78.53	chr11	11q23.3	61	107.91
ID12-AS1	78.53	chr10	10p15.3	18	59.50
C20orf181	78.52	chr20	20q13.33	27	114.61
VSNL1	78.52	chr2	2p24.3	46	105.49
CEACAM20	78.51	chr19	19q13.31	18	108.30
FAM207A	78.49	chr21	21q22.3	46	85.13
UBE2L6	78.47	chr11	11q12	55	128.19
ETHE1	78.46	chr19	19q13.31	28	109.35
SART1	78.44	chr11	11q13.1	40	71.27
LOC100506937	78.41	chr7	N/A	10	262.60
ASPN	78.41	chr9	9q22	29	113.37
PPT2	78.41	chr6	6p21.3	44	95.65
ANKRD12	78.40	chr18	18p11.22	94	279.01
STAT2	78.40	chr12	12q13.3	53	162.13
TMEM167B	78.39	chr1	1p13.3	26	65.97
TMEM161A	78.38	chr19	19p13.11	26	117.67
TMEM123	78.36	chr11	11q22.1	57	116.30
NOTCH4	78.33	chr6	6p21.3	48	144.18
Hs.635363	78.33	chr5	N/A	11	58.48
Hs.511979	78.32	chr7	N/A	18	102.08
EIF4E3	78.32	chr3	3p14	63	160.31
SNAP25	78.31	chr20	20p12-p11.2	50	322.53
TMEM9	78.29	chr1	N/A	25	40.52
Hs.705969	78.26	chr3	N/A	1	0.00
MTX1	78.26	chr1	1q21	38	94.73
SLC16A5	78.26	chr17	17q25.1	47	128.00
Hs.713686	78.25	chrX	N/A	7	60.36
Hs.673431	78.24	chr3	N/A	1	0.00
CA14	78.23	chr1	1q21	28	63.41
CDK5RAP3	78.21	chr17	17q21.32	67	89.83
PSMD10	78.20	chrX	Xq22.3	39	96.49
PLA2G15	78.17	chr16	16q22.1	30	88.04
RNF187	78.16	chr1	1q42.13	49	165.57
C18orf12	78.16	chr18	18q21.1	16	90.33
LOC100132086	78.15	chr12	12p11.1	2	136.31
RFWD2	78.15	chr1	1q25.1-q25.2	53	87.85
C4B	78.10	chr6	6p21.3	13	52.54
ACAD8	78.09	chr11	11q25	62	129.16
AS3MT	78.08	chr10	10q24.32	19	39.20
SYNJ2BP	78.05	chr14	14q24.2	58	116.77
ZNF384	78.03	chr12	12p12	38	70.04
CYB5R4	78.02	chr6	6pter-q22.33	31	125.77
DNPH1	78.02	chr6	6p21.1	50	135.07

ASAP1	78.02	chr8	8q24.1-q24.2	73	136.07
URI1	78.01	chr19	19q12	50	147.78
Hs.732138	78.00	chr20	N/A	7	58.17
EXOSC8	78.00	chr13	13q13.1	39	73.97
LOC100507425	78.00	chr17	N/A	1	0.00
ROCK1	77.98	chr18	18q11.1	58	174.83
TOM1	77.96	chr22	22q13.1	35	141.71
Hs.2868	77.96	chr8	N/A	7	67.08
CCDC6	77.96	chr10	10q21	43	109.35
BDH2	77.95	chr4	4q24	53	101.32
Hs.523316	77.95	chr10	N/A	7	180.07
TSR3	77.92	chr16	16p13.3	50	85.79
TSTD3	77.92	chr6	6q16.2	18	84.02
ZSCAN26	77.91	chr6	6p21.31	55	125.76
PLIN1	77.89	chr15	15q26	30	68.27
SENP6	77.89	chr6	6q13-q14.3	67	258.82
Hs.602607	77.88	chr14	N/A	7	44.57
Hs.681773	77.87	chr11	N/A	1	0.00
BPHL	77.87	chr6	6p25	60	131.27
Hs.656677	77.87	chr1	N/A	6	116.59
LOC100128644	77.86	chr3	3p25.1	11	56.66
NAP1L2	77.84	chrX	Xq13	31	180.04
CDK9	77.82	chr9	9q34.1	68	118.01
MYH7B	77.82	chr20	20q11.22	26	87.42
PPP1R7	77.81	chr2	2q37.3	56	97.92
ASB1	77.81	chr2	2q37	70	102.38
ACBD5	77.80	chr10	10p12.1	51	169.79
MAB21L2	77.79	chr4	4q31	36	166.01
C1orf56	77.78	chr1	1q21.3	44	108.09
STK17A	77.77	chr7	7p13	86	219.69
UBE2D1	77.76	chr10	10q21.1	64	133.87
XPO1	77.76	chr2	2p15	52	134.59
FOXP1	77.75	chr3	3p14.1	136	205.47
SV2B	77.75	chr15	15q26.1	53	256.69
C2orf40	77.74	chr2	2q12.2	19	114.68
TEX30	77.73	chr13	13q33.1	30	125.56
Hs.667145	77.72	chr14	N/A	7	45.06
MRPL42	77.71	chr12	12q22	63	117.19
Hs.500832	77.68	chr10	N/A	10	51.93
BBX	77.67	chr3	3q13.1	119	105.93
SREBF2	77.65	chr22	22q13	49	67.42
THOC2	77.64	chrX	Xq25-q26.3	69	195.08
HELZ	77.64	chr17	17q24.2	36	80.41
Hs.606744	77.58	chr9	N/A	1	0.00
GPN2	77.50	chr1	1p36.11	31	97.39
SNX14	77.49	chr6	6q14.3	38	89.86
Hs.661380	77.49	chr9	N/A	15	140.41
MAN2C1	77.45	chr15	15q11-q13	63	99.68
CTCFL	77.45	chr20	20q13.31	25	194.61
JPH1	77.42	chr8	8q21	27	114.98
CALHM2	77.42	chr10	10q24.33	33	81.13
TRUB1	77.41	chr10	10q25.3	54	179.57
COMMD4	77.41	chr15	15q24.2	63	90.12
NTAN1	77.39	chr16	16p13.11	51	88.31
Hs.607775	77.39	chr2	N/A	1	0.00
Hs.665226	77.36	chr9	N/A	1	0.00
TESK1	77.32	chr9	9p13	45	110.01
DVL3	77.32	chr3	3q27	60	116.65
Hs.645916	77.31	chr16	N/A	1	0.00
C3orf17	77.30	chr3	3q13.2	49	155.91
STMN1	77.29	chr1	1p36.11	59	144.60
D2HGDH	77.28	chr2	2q37.3	39	80.50
Hs.660557	77.27	chr8	N/A	1	0.00
NOP2	77.27	chr12	12p13	36	154.39
DHX15	77.26	chr4	4p15.3	69	151.24
ARMC10	77.25	chr7	7q22.1	42	89.13

VWA7	77.25	chr6	6p21.33	21	111.58
METTL7A	77.24	chr12	12q13.12	66	99.71
GLIPR2	77.24	chr9	9p13.3	32	160.98
METTL23	77.23	chr17	17q25.1	29	94.13
Hs.655924	77.23	chr4	N/A	14	119.43
PJA1	77.21	chrX	Xq13.1	34	62.08
SGSH	77.21	chr17	17q25.3	35	85.63
UBR7	77.20	chr14	14q32.12	44	115.38
DPEP3	77.19	chr16	16q22.1	21	88.25
B4GALT2	77.19	chr1	1p34-p33	54	89.19
FAM69B	77.18	chr9	9q34.3	25	88.15
Hs.145224	77.16	chr4	N/A	1	0.00
LTBP1	77.16	chr2	2p22-p21	66	151.26
Hs.647561	77.15	chr14	N/A	8	88.15
Hs.667102	77.13	chr2	N/A	1	0.00
COA1	77.11	chr7	7p13	61	153.09
PAPSS1	77.11	chr4	4q24	33	130.73
LRWD1	77.09	chr7	7q22.1	17	63.43
DRAM2	77.07	chr1	1p13.3	48	86.70
PSMG1	77.06	chr21	21q22.3	35	73.97
DCBLD2	77.04	chr3	3	96	129.63
SH2B2	77.02	chr7	7q22	30	135.78
TMEM135	77.02	chr11	11q14.2	56	205.86
CYP51A1	76.98	chr7	7q21.2	59	227.10
PTGR1	76.94	chr9	9q31.3	52	86.38
Hs.664020	76.92	chrX	N/A	5	21.45
Hs.597044	76.88	chr2	N/A	7	44.35
SOX9	76.86	chr17	17q23	38	81.11
CCDC51	76.86	chr3	3p21.31	28	86.63
POP5	76.83	chr12	12q24.31	30	79.32
CDKN2D	76.83	chr19	19p13	40	94.05
CRIP1	76.81	chr2	2p21	30	79.87
Hs.600101	76.80	chr8	N/A	8	102.52
Hs.733741	76.80	chr3	N/A	1	0.00
GTF3C2	76.79	chr2	2p23.3	51	109.06
MFAP5	76.79	chr12	12p13.1-p12.3	62	135.71
FBXL19	76.78	chr16	16p11.2	28	105.44
CYYR1	76.77	chr21	21q21.2	37	105.05
RNF175	76.77	chr4	4q31.3	52	166.13
C1orf229	76.76	chr1	1q44	13	36.65
CTNBL1	76.75	chr20	20q11.23-q12	46	89.66
MAP2K2	76.71	chr19	19p13.3	63	133.85
PTPN3	76.70	chr9	9q31	67	98.04
RXRβ	76.69	chr6	6p21.3	42	87.88
SSSCA1	76.67	chr11	11q13.1	30	49.93
SMARCE1	76.64	chr17	17q21.2	53	113.53
CCDC85B	76.64	chr11	11q12.1	42	95.27
ABHD4	76.63	chr14	14q11.2	28	72.45
MBNL1	76.62	chr3	3q25	126	159.09
VASH1	76.62	chr14	14q24.3	51	107.85
Hs.733524	76.62	chr5	N/A	1	0.00
SMAD4	76.62	chr18	18q21.1	87	166.74
EML3	76.59	chr11	11q12.3	47	125.54
Hs.645315	76.57	chr6	N/A	8	67.14
DRG2	76.56	chr17	17p11.2	35	73.06
PLXNA1	76.56	chr3	3q21.3	55	82.60
LOC100652772	76.54	chr5	N/A	8	98.31
MKKS	76.54	chr20	20p12	59	70.56
PBX1	76.53	chr1	1q23	104	182.15
Hs.593575	76.51	chr6	N/A	18	144.81
STAM	76.51	chr10	10p14-p13	44	80.45
KIAA0196	76.48	chr8	8q24.13	28	76.69
TCEAL7	76.48	chrX	Xq22.1	39	326.94
METTL9	76.47	chr16	16p12.2	60	115.60
MED22	76.46	chr9	9q34.2	56	92.74
Hs.598525	76.45	chr6	N/A	7	28.42

OSTM1	76.43	chr6	6q21	105	110.29
ID11	76.42	chr10	10p15.3	47	181.13
PLEKHA2	76.40	chr8	8p11.22	69	162.51
SMG1	76.39	chr16	16p12.3	111	232.83
HDLBP	76.37	chr2	2q37.3	94	124.50
MATN2	76.37	chr8	8q22	43	128.59
GCA	76.37	chr2	2q24.2	40	141.25
ZMAT3	76.35	chr3	3q26.32	62	158.20
TNFRSF1B	76.35	chr1	1p36.22	37	116.44
REEP1	76.35	chr2	2p11.2	39	83.54
TSKU	76.35	chr11	11q13.5	28	122.30
SRR	76.34	chr17	17p13	41	143.42
BTF3L4	76.34	chr1	1p32.3	51	83.22
SUPT20HL2	76.30	chrX	Xp22.11	5	125.29
Hs.687674	76.27	chr12	N/A	1	0.00
LRP8	76.26	chr1	1p34	71	528.15
DSCR3	76.25	chr21	21q22.2	55	135.07
EIF2B5	76.23	chr3	3q27.1	31	96.58
AMFR	76.23	chr16	16q21	48	109.66
KCNJ15	76.21	chr21	21q22.2	49	525.60
Hs.603099	76.20	chr1	N/A	7	56.89
THOC3	76.18	chr5	5q35.2	25	65.50
PIH1D1	76.17	chr19	19q13.33	25	90.56
PRKD2	76.16	chr19	19q13.3	39	105.31
CCDC86	76.13	chr11	11q12.2	47	97.61
ENDOD1	76.13	chr11	11q21	49	62.09
PFKFB2	76.12	chr1	1q31	69	82.64
IKZF1	76.12	chr7	7p13-p11.1	88	328.88
ZFYVE27	76.11	chr10	10q24.2	36	116.42
RNF34	76.09	chr12	12q24.31	54	178.39
LINC00705	76.08	chr10	10p15.1	1	0.00
ISG20	76.05	chr15	15q26	54	170.18
PIK3IP1	76.03	chr22	22q12.2	46	74.89
AOC2	76.03	chr17	17q21	36	246.58
DDX19B	76.02	chr16	16q22.1	43	94.20
Hs.641364	76.01	chr19	N/A	2	25.49
Hs.596973	76.00	chr13	N/A	7	61.23
ANKRA2	75.99	chr5	5q12-q13	57	128.19
AGTPBP1	75.98	chr9	9q21.33	55	116.22
RNF20	75.97	chr9	9q22	28	92.76
Hs.595320	75.96	chr19	N/A	28	82.67
ARFGEF1	75.95	chr8	8q13	66	153.41
MCCC2	75.94	chr5	5q12-q13	36	98.81
CAPS	75.92	chr19	19p13.3	42	211.14
B3GNT8	75.91	chr19	19q13.2	17	96.28
Hs.101248	75.88	chr13	N/A	11	280.69
Hs.663804	75.87	chr2	N/A	7	69.30
Hs.732826	75.86	chr6	N/A	7	45.34
CPSF3L	75.84	chr1	1p36.33	43	121.24
RRBP1	75.83	chr20	20p12	106	246.07
ERAP2	75.81	chr5	5q15	54	277.80
MLXIPL	75.80	chr7	7q11.23	51	166.47
FARS2	75.79	chr6	6p25.1	42	89.45
NEMF	75.77	chr14	14q22	45	66.11
POP4	75.76	chr19	19q12	31	80.83
Hs.602322	75.76	chr15	N/A	7	98.32
NSUN2	75.76	chr5	5p15.31	42	119.85
GLI3	75.74	chr7	7p13	37	380.16
SLCO3A1	75.74	chr15	15q26	93	96.29
RICTOR	75.69	chr5	5p13.1	49	110.62
PRPF3	75.67	chr1	1q21.1	30	100.61
CLK3	75.67	chr15	15q24	56	92.83
ILF3	75.67	chr19	19p13.2	88	82.69
ERCC5	75.64	chr13	13q33	34	74.82
CGB5	75.64	chr19	19q13.32	15	145.98
Hs.592737	75.63	chr15	N/A	17	112.23

EXOSC6	75.62	chr16	16q22.1	68	135.43
SETD7	75.62	chr4	4q28	45	161.68
LRRRC8A	75.62	chr9	9q34.11	37	120.71
ZNF524	75.61	chr19	19q13.42	17	47.13
UBFD1	75.61	chr16	16p12	58	96.87
STRA13	75.60	chr17	17q25.3	39	89.80
Hs.593319	75.59	chr3	N/A	7	79.17
Hs.551143	75.59	chr9	N/A	3	18.48
Hs.356273	75.59	chr20	N/A	1	0.00
LIMS1	75.56	chr2	2q12.3	66	123.85
GPIHBP1	75.56	chr8	8q24.3	29	111.75
Hs.671926	75.52	chr8	N/A	1	0.00
SLC9A3R2	75.52	chr16	16p13.3	30	103.55
Hs.597566	75.51	chr11	N/A	7	58.26
Hs.712780	75.51	chr4	N/A	3	6.24
DROSHA	75.50	chr5	5p13.3	50	109.64
TMEM214	75.50	chr2	2p23.3	28	72.88
LPHN1	75.49	chr19	19p13.2	48	82.20
Hs.638010	75.49	chr6	N/A	3	15.03
Hs.734867	75.47	chr17	N/A	1	0.00
CAMK2N1	75.45	chr1	1p36.12	49	120.77
STIM1	75.45	chr11	11p15.5	40	149.65
ETNK1	75.44	chr12	12p12.1	106	408.55
BLZF1	75.44	chr1	1q24	72	169.71
EGLN1	75.43	chr1	1q42.1	36	123.38
TTL12	75.42	chr22	22q13.31	38	104.47
C9orf69	75.38	chr9	9q34.3	3	34.05
MFSD11	75.37	chr17	17q25	29	37.60
ALDH7A1	75.36	chr5	5q31	73	94.80
Hs.565250	75.34	chr19	N/A	3	7.30
COL4A6	75.34	chrX	Xq22	63	196.93
B4GALT1	75.34	chr9	9p13	95	164.36
Hs.731848	75.33	chr3	N/A	8	44.60
HDAC5	75.30	chr17	17q21	64	79.41
CHN1	75.29	chr2	2q31.1	49	68.70
KIF22	75.28	chr16	16p11.2	32	126.39
LOC100507207	75.26	chr8	N/A	10	101.60
Hs.656593	75.25	chr4	N/A	3	8.33
C14orf119	75.23	chr14	14q11.2	36	98.24
PTGIS	75.20	chr20	20q13.13	66	99.49
Hs.674599	75.19	chr18	N/A	1	0.00
Hs.706901	75.19	chr17	N/A	7	48.31
Hs.633637	75.15	chr7	N/A	7	85.21
STXBP1	75.15	chr9	9q34.1	53	95.88
Hs.408190	75.15	chr4	N/A	2	13.84
COG2	75.15	chr1	1q42.2	51	105.79
CBX6	75.14	chr22	22q13.1	39	120.23
HAR1A	75.14	chr20	20q13.33	14	74.66
Hs.699340	75.14	chr18	N/A	8	17.69
UBE3C	75.13	chr7	7q36.3	60	152.90
TPRN	75.11	chr9	9q34.3	26	185.42
SYAP1	75.11	chrX	Xp22.2	41	74.89
Hs.121525	75.10	chr14	N/A	14	48.76
ZNF395	75.10	chr8	8p21.1	66	123.85
KAT7	75.09	chr17	17q21.32	42	80.15
BLOC1S2	75.06	chr10	10q24.31	37	69.93
NADK2	75.04	chr5	5p13.2	33	182.77
PROKR2	75.03	chr20	20p12.3	24	227.84
Hs.596674	75.01	chr20	N/A	7	102.99
SLC10A3	75.00	chrX	Xq28	28	96.69
SLC35A1	75.00	chr6	6q15	40	136.75
Hs.546699	75.00	chr1	N/A	7	39.09
RABL5	74.98	chr7	7q22.1	39	77.52
CX3CL1	74.98	chr16	16q13	62	109.19
Hs.214174	74.97	chr7	N/A	13	143.89
MAST4	74.97	chr5	5q12.3	101	163.37

Hs.679409	74.92	chr17	N/A	25	103.27
APOL2	74.90	chr22	22q12	45	123.23
PPM1B	74.90	chr2	2p21	66	131.67
YLP1	74.88	chr14	14q24.3	91	217.66
MCF2L	74.87	chr13	13q34	98	273.61
PUM2	74.86	chr2	2p22-p21	69	129.03
NMUR1	74.85	chr2	2q37.1	21	129.50
STOX2	74.84	chr4	4q35.1	39	77.59
DOCK7	74.83	chr1	1p31.3	73	510.29
EFNB3	74.82	chr17	17p13.1	45	126.85
PSMB8	74.82	chr6	6p21.3	44	159.03
SNX2	74.81	chr5	5q23	42	104.17
DAAM2	74.81	chr6	6p21.2	30	122.32
OPCML	74.81	chr11	11q25	57	594.65
Hs.670167	74.79	chr17	N/A	1	0.00
CNRIP1	74.78	chr2	2p14	33	218.21
Hs.729729	74.76	chr16	N/A	1	0.00
SCRN1	74.76	chr7	7p14.3-p14.1	30	69.52
CELF1	74.74	chr11	11p11	71	109.11
Hs.596769	74.74	chr10	N/A	3	13.52
ARHGFEF40	74.73	chr14	14q11.2	57	97.44
DAP	74.73	chr5	5p15.2	43	75.59
TGFB3	74.72	chr14	14q24	66	162.09
Hs.731820	74.71	chr3	N/A	1	0.00
ZGPAT	74.69	chr20	20q13.3	40	100.27
Hs.732412	74.67	chr1	N/A	5	49.18
ANKRD50	74.65	chr4	4q28.1	48	309.99
Hs.644848	74.64	chr8	N/A	7	202.91
NEURL1B	74.63	chr5	5q35.1	38	106.82
SYVN1	74.63	chr11	11q13	42	92.96
ZBED3	74.62	chr5	5q13.3	19	91.85
NCDN	74.61	chr1	1p34.3	60	218.97
CTBP2	74.61	chr10	10q26.13	95	126.57
ARMC6	74.60	chr19	19p13.11	37	123.70
RPL39L	74.59	chr3	3q27	26	125.36
LYVE1	74.58	chr11	11p15	43	85.60
ZHX2	74.56	chr8	8q24.13	47	89.06
CACYBP	74.54	chr1	1q24-q25	102	89.11
CES1	74.53	chr16	16q22.2	32	91.26
BCL3	74.53	chr19	19q13.1-q13.2	35	89.74
SLCO2B1	74.51	chr11	11q13	48	98.29
GSS	74.47	chr20	20q11.2	37	61.42
FRS3	74.46	chr6	6p21.1	28	57.11
ECM1	74.46	chr1	1q21	36	68.56
INTS3	74.45	chr1	1q21.3	41	91.39
Hs.664050	74.45	chrX	N/A	15	209.12
FADS3	74.43	chr11	11q12-q13.1	35	97.22
KLRK1	74.43	chr12	12p13.2-p12.3	49	183.92
ARHGFEF18	74.42	chr19	19p13.3	30	103.01
TMEM71	74.42	chr8	8q24.22	26	144.57
Hs.701108	74.42	chr10	N/A	7	104.43
INTS10	74.41	chr8	8p21.3	45	83.26
ASB8	74.40	chr12	12q13.11	42	96.10
G3BP2	74.40	chr4	4q21.1	81	240.74
Hs.702981	74.40	chr1	N/A	7	49.85
Hs.638583	74.38	chr5	N/A	4	22.22
LINGO1	74.37	chr15	15q24.3	32	104.17
HSD11B1	74.36	chr1	1q32-q41	36	175.69
PPP1R3F	74.35	chrX	Xp11.23	68	142.06
USP47	74.35	chr11	11p15.3	67	83.43
PRR14	74.34	chr16	16p11.2	34	105.98
LOC100129113	74.33	chr22	22q11.21	20	111.82
RIMKLB	74.32	chr12	12p13.31	52	126.15
Hs.741439	74.31	chr12	N/A	12	94.38
TRIM16	74.30	chr17	17p11.2	32	124.86
MARK3	74.28	chr14	14q32.3	70	107.29

TSSC4	74.27	chr11	11p15.5	28	108.54
ZNRD1	74.24	chr6	6p21.3	32	50.87
PAF1	74.24	chr19	19q13.1	54	113.67
HPS6	74.24	chr10	10q24.32	38	123.01
LOC388692	74.23	chr1	1q21.2	22	110.70
GTF2E2	74.22	chr8	8p12	30	115.38
LOC158376	74.22	chr9	9p13.3	5	46.27
DCAF7	74.21	chr17	17q23.3	112	132.83
WDR60	74.21	chr7	7q36.3	30	88.41
FKBP15	74.19	chr9	9q32	53	100.72
KRTAP5-9	74.19	chr11	11q13.5	23	105.04
ACOT8	74.17	chr20	20q13.12	31	132.25
PLSCR4	74.13	chr3	3q24	21	73.12
TMEM74B	74.12	chr20	20p13	21	60.45
MAFK	74.12	chr7	7p22.3	41	116.71
HIST1H2AD	74.09	chr6	6p21.3	23	107.81
PRPF6	74.09	chr20	20q13.33	42	104.17
VARS2	74.08	chr6	6p21.33	36	100.77
RGS3	74.08	chr9	9q32	65	167.36
IFRD1	74.08	chr7	7q31.1	64	131.62
KIAA0020	74.08	chr9	9p24.2	34	94.37
ENPP4	74.05	chr6	6p21.1	35	81.05
MED24	74.03	chr17	17q21.1	40	85.73
Hs.721523	74.01	chr8	N/A	3	9.69
Hs.705546	73.99	chr11	N/A	7	70.06
GSE1	73.99	chr16	16q24.1	60	95.46
KAT5	73.98	chr11	11q13	54	95.59
KLHL3	73.95	chr5	5q31	37	127.14
BANP	73.94	chr16	16q24	56	96.28
ITPKB	73.93	chr1	1q42.13	52	204.97
USP22	73.93	chr17	17p11.2	74	138.25
RMDN3	73.92	chr15	15q15.1	45	94.24
PMF1	73.92	chr1	1q12	33	71.96
DCAF8	73.92	chr1	1q22-q23	71	229.81
Hs.655433	73.89	chr1	N/A	1	0.00
SLC22A18	73.88	chr11	11p15.5	43	79.74
ADAM23	73.88	chr2	2q33	31	78.84
YIF1B	73.87	chr19	19q13.2	39	218.67
ATF3	73.86	chr1	1q32.3	58	109.39
Hs.745170	73.86	chr4	N/A	1	0.00
NELL2	73.85	chr12	12q12	32	385.45
Hs.656053	73.85	chr12	N/A	1	0.00
SLC9A6	73.85	chrX	Xq26.3	46	122.64
HYI	73.83	chr1	1p34.2	43	85.50
CFHR3	73.81	chr1	1q32	27	123.25
DDX56	73.78	chr7	7p13	49	113.57
Hs.641247	73.77	chr12	N/A	7	68.72
KIF21A	73.77	chr12	12q12	48	93.46
RQCD1	73.75	chr2	2q35	63	161.05
SCN4B	73.74	chr11	11q23.3	19	49.41
KBTBD12	73.74	chr3	3q21.3	22	91.02
AAED1	73.74	chr9	9q22.32	28	103.99
ADIPOQ	73.73	chr3	3q27	68	136.50
THEM6	73.72	chr8	8q24.3	21	106.90
Hs.662446	73.71	chr5	N/A	7	82.61
ZNF22	73.70	chr10	10q11	55	113.89
RPF1	73.70	chr1	1p22.3	33	90.14
FN3KRP	73.68	chr17	17q25.3	31	47.25
Hs.603556	73.67	chr6	N/A	1	0.00
Hs.654881	73.67	chr4	N/A	7	56.07
KRTAP1-5	73.66	chr17	17q12-q21	19	256.71
RIOK3	73.65	chr18	18q11.2	74	112.70
PAICS	73.64	chr4	4q12	74	126.83
GOLGA7	73.64	chr8	8p11.21	50	147.30
TCF12	73.62	chr15	15q21	79	214.03
Hs.598436	73.62	chr2	N/A	7	43.00

Hs.633397	73.61	chr11	N/A	10	49.76
Hs.732571	73.58	chr20	N/A	8	90.31
IP6K3	73.57	chr6	6p21.31	24	146.20
COTL1	73.57	chr16	16q24.1	55	101.08
CTSZ	73.57	chr20	20q13.32	44	81.18
NDEL1	73.57	chr17	17p13.1	36	206.51
DDX55	73.55	chr12	12q24.31	37	164.63
Hs.655568	73.55	chr14	N/A	7	109.51
WDR26	73.54	chr1	1q42.13	87	80.98
TSTD1	73.54	chr1	1q23.3	11	64.78
TMEM223	73.53	chr11	11q12.3	39	103.74
CCL21	73.53	chr9	9p13	28	107.69
Hs.145481	73.52	chr6	N/A	14	171.66
Hs.649389	73.52	chr11	N/A	7	70.76
TMEM241	73.50	chr18	18q11.2	27	207.90
Hs.511739	73.48	chr19	N/A	1	0.00
DYRK1A	73.47	chr21	21q22.13	119	222.05
Hs.595378	73.46	chr8	N/A	24	64.18
PAK2	73.43	chr3	3q29	87	175.05
SKOR2	73.43	chr18	18q21.1	2	16.10
CTSC	73.43	chr11	11q14.2	66	210.06
Hs.713055	73.42	chr13	N/A	7	81.49
DYNLT3	73.41	chrX	Xp21	52	100.19
Hs.318773	73.41	chr1	N/A	1	0.00
VASP	73.38	chr19	19q13.32	41	85.33
KLHDC7B	73.37	chr22	22q13.33	30	196.09
HSPA12B	73.37	chr20	20p13	25	76.17
ATRX	73.36	chrX	Xq21.1	106	181.74
SDC3	73.36	chr1	1pter-p22.3	48	158.04
CCDC28A	73.36	chr6	6q23.1-q24.1	30	68.33
GOLGA8A	73.35	chr15	15q11.2	39	210.70
POLR3K	73.33	chr16	16p13.3	29	54.94
TRABD	73.32	chr22	22q13.33	47	124.33
OR11H6	73.32	chr14	14q11.2	5	115.84
RABL6	73.31	chr9	9q34.3	66	104.30
DUSP5	73.30	chr10	10q25	30	108.24
CD58	73.30	chr1	1p13	60	115.30
CDC42BPB	73.26	chr14	14q32.3	53	113.50
PDPK1	73.26	chr16	16p13.3	101	133.78
DOHH	73.24	chr19	19p13.3	42	167.14
SNX1	73.22	chr15	15q22.31	64	100.61
RAB12	73.21	chr18	18p11.22	37	90.00
Hs.600990	73.21	chr7	N/A	7	59.19
TPT1-AS1	73.18	chr13	13q14.13	40	119.09
LOC441124	73.17	chr1	1q42.11	34	102.86
AFAP1L1	73.17	chr5	5q32	46	123.74
PIK3CA	73.14	chr3	3q26.3	48	140.54
FAN1	73.14	chr15	15q13.2-q13.3	38	126.17
GRB10	73.13	chr7	7p12.2	59	56.95
Hs.619708	73.12	chr11	N/A	3	21.80
HLA-DOA	73.11	chr6	6p21.3	97	187.94
MAP2K4	73.10	chr17	17p12	46	81.94
PTCD1	73.07	chr7	7q22.1	27	92.15
INSIG2	73.06	chr2	2q14.2	56	128.29
PRR7	73.06	chr5	5q35.3	49	172.03
UBXN2A	73.05	chr2	2p23.3	31	166.96
HIST3H2A	73.05	chr1	1q42.13	26	83.49
Hs.27608	73.04	chr14	N/A	10	73.36
PRPF38A	73.04	chr1	1p32.3	40	179.75
CCDC124	73.04	chr19	19p13.11	27	64.75
WAC-AS1	73.02	chr10	10p11.23	18	55.36
GIMAP8	72.99	chr7	7q36.1	30	57.52
VWA8	72.98	chr13	13q14.11	79	167.22
STMN2	72.98	chr8	8q21.13	48	490.04
PHF13	72.98	chr1	1p36.31	26	107.78
Hs.666471	72.97	chr3	N/A	1	0.00

LINC00341	72.96	chr14	14q32.13	21	44.68
ARHGAP21	72.93	chr10	10p12.3	42	103.29
FURIN	72.91	chr15	15q26.1	30	99.74
BRAT1	72.91	chr7	7p22.3	36	82.99
GTF2F1	72.86	chr19	19p13.3	40	75.44
SLC25A40	72.84	chr7	7q21.12	68	225.17
ZDHC6	72.81	chr10	10q25.2	31	92.80
ABCC5	72.79	chr3	3q27	75	116.06
IPW	72.78	chr15	15q11-q12	5	144.03
CORO1C	72.77	chr12	12q24.1	52	90.45
TMEM8A	72.77	chr16	16p13.3	29	75.65
SERP1	72.76	chr3	3q25.1	61	108.15
NEDD9	72.76	chr6	6p25-p24	56	116.84
PHKA2	72.75	chrX	Xp22.2-p22.1	50	100.87
SC5D	72.75	chr11	11q23.3	59	134.39
POLR3C	72.73	chr1	1q21.1	37	93.37
Hs.114180	72.73	chr20	N/A	8	145.30
CASP9	72.69	chr1	1p36.21	50	69.98
CISH	72.69	chr3	3p21.3	40	137.14
LOC92249	72.67	chrX	Xq11.1	24	88.89
TMEM38A	72.67	chr19	19p13.11	33	40.15
FBLIM1	72.63	chr1	1p36.21	50	154.06
MRPS14	72.58	chr1	1q25.1	35	78.58
RB1	72.56	chr13	13q14.2	73	97.53
MPI	72.56	chr15	15q22-qter	40	74.86
SPATA17	72.54	chr1	1q41	37	229.11
LYSMD4	72.53	chr15	15q26.3	41	233.96
STXBP6	72.51	chr14	14q12	72	91.66
AP5M1	72.45	chr14	14q22.3	53	141.69
Hs.592660	72.45	chr1	N/A	1	0.00
ALPPL2	72.44	chr2	2q37	38	139.86
YAF2	72.44	chr12	12q12	53	112.04
ZNF33A	72.43	chr10	10p11.2	46	282.46
LUC7L3	72.43	chr17	17q21.33	80	103.09
C1orf115	72.43	chr1	1q41	46	175.36
SMG5	72.42	chr1	1q21.2	32	71.46
NDFIP2	72.42	chr13	13q31.1	75	109.73
MBD6	72.41	chr12	N/A	29	105.55
SLC31A2	72.40	chr9	9q32	30	62.07
MEIS2	72.37	chr15	15q14	56	126.06
Hs.661374	72.37	chr5	N/A	17	152.42
CREB3L2	72.36	chr7	7q34	73	152.54
MCM2	72.36	chr3	3q21	23	46.37
TAAR5	72.36	chr6	6q23	21	106.84
KLF3	72.35	chr4	4p14	45	268.42
IL10RB	72.30	chr21	21q22.11	53	108.66
MTSS1	72.30	chr8	8p22	79	157.95
WDYHV1	72.29	chr8	8q24.13	28	71.14
FAM222A	72.28	chr12	12q24.11	19	82.49
Hs.608001	72.27	chr7	N/A	1	0.00
MSL1	72.27	chr17	17q21.1	49	99.83
Hs.740485	72.26	chr11	N/A	15	95.73
OSTF1	72.26	chr9	9q13-q21.2	44	101.66
Hs.207604	72.24	chr16	N/A	1	0.00
Hs.562044	72.23	chrX	N/A	7	71.59
LZTR1	72.22	chr22	22q11.1-q11.2	30	92.45
TENC1	72.22	chr12	12q13.13	40	90.18
TMEM60	72.21	chr7	7q11.23	17	104.94
Hs.605133	72.19	chr12	N/A	1	0.00
SRSF10	72.17	chr1	1p36.11	114	117.43
Hs.578895	72.15	chr16	N/A	3	2.45
TSTA3	72.14	chr8	8q24.3	35	81.98
WHAMM	72.11	chr15	15q25.2	48	130.95
UBTD2	72.10	chr5	5q35.1	52	257.87
MPG	72.10	chr16	16p13.3	34	78.28
C6orf99	72.09	chr6	6q25.3	8	76.55

MEPCE	72.07	chr7	7q22.1	38	101.01
ZNF404	72.02	chr19	19q13.31	27	141.98
Hs.656947	72.01	chr7	N/A	7	49.73
LOC100507577	72.00	chr16	N/A	12	76.64
FAH	72.00	chr15	15q25.1	37	97.71
POLR2A	71.99	chr17	17p13.1	87	180.58
MARCH7	71.99	chr2	2q24.2	54	135.20
SEMA6C	71.98	chr1	1q21.2	37	86.21
SLC2A8	71.97	chr9	9q33.3	56	98.71
PCNA	71.96	chr20	20pter-p12	66	66.49
C12orf45	71.95	chr12	12q23.3	26	105.04
ZNF580	71.93	chr19	19q13.42	24	60.66
PAN2	71.93	chr12	12q13.2	30	195.12
PARD6G	71.91	chr18	18q23	44	187.20
EMCN	71.90	chr4	4q24	64	81.26
FAM45A	71.89	chr10	10q25	35	87.38
GLTPD1	71.89	chr1	1p36.33	44	96.69
Hs.656306	71.89	chr8	N/A	1	0.00
ZC3H15	71.88	chr2	2q32.1	67	124.14
TSEN15	71.87	chr1	1q25	52	109.72
PROSC	71.86	chr8	8p11.2	79	195.48
STX2	71.85	chr12	12q24.33	60	122.30
CMTM7	71.85	chr3	3p22.3	55	106.04
MPHOSPH6	71.85	chr16	16q23.3	53	170.08
GRINA	71.84	chr8	8q24.3	87	187.86
DLGAP4	71.83	chr20	20q11.23	64	108.73
ACTN3	71.80	chr11	11q13.1	30	116.90
TMUB1	71.79	chr7	7q36.1	38	86.65
HRSP12	71.78	chr8	8q22	34	62.11
KLHDC9	71.76	chr1	1q23.3	27	63.02
Hs.12264	71.75	chr1	N/A	1	0.00
TMEM185A	71.73	chrX	Xq28	71	125.20
TFEB	71.71	chr6	6p21	28	70.42
STX4	71.71	chr16	16p11.2	51	105.51
UBN1	71.69	chr16	16p13.3	54	144.13
FBXO3	71.68	chr11	11p13	106	138.77
DLC1	71.68	chr8	8p22	102	108.84
G3BP1	71.68	chr5	5q33.1	54	92.55
RBM4	71.68	chr11	11q13	90	201.38
PDXP	71.68	chr22	22q12.3	24	115.96
MBNL2	71.67	chr13	13q32.1	102	138.41
DST	71.66	chr6	6p12.1	176	254.34
GCC2	71.63	chr2	2q12.3	98	192.37
RALBP1	71.63	chr18	18p11.3	56	95.01
TROVE2	71.63	chr1	1q31	83	134.93
FAM204A	71.62	chr10	10q26.11	51	112.57
BPGM	71.61	chr7	7q33	43	78.72
Hs.594184	71.59	chr7	N/A	7	85.13
PDCD6	71.57	chr5	5p15.33	76	165.95
SLC52A2	71.56	chr8	8q24.3	26	81.11
MNT	71.56	chr17	17p13.3	43	65.85
TRPC4AP	71.56	chr20	20q11.22	33	85.27
Hs.664497	71.56	chr4	N/A	7	134.08
YRDC	71.53	chr1	1p34.3	32	85.55
SMAD5	71.52	chr5	5q31	55	127.12
PPP2R3C	71.51	chr14	14q13.2	43	89.28
DEF8	71.50	chr16	16q24.3	57	79.56
WAPAL	71.50	chr10	10q23.2	58	108.32
STAT4	71.49	chr2	2q32.2-q32.3	40	188.04
FAM120AOS	71.48	chr9	9q22.31	37	71.60
AATF	71.48	chr17	17q12	40	48.40
NMRAL1	71.47	chr16	16p13.3	25	111.07
NECAP1	71.47	chr12	12p13.31	38	139.42
MID1	71.45	chrX	Xp22	63	215.99
PRKAR2A	71.45	chr3	3p21.3-p21.2	75	178.56
Hs.594438	71.44	chr11	N/A	7	107.02

RER1	71.43	chr1	1p36	86	113.22
INTS9	71.42	chr8	8p21.1	24	58.10
ADK	71.40	chr10	10q11-q24	60	124.86
OIP5-AS1	71.33	chr15	15q15.1	53	93.39
MRPL2	71.29	chr6	6p21.3	41	92.69
COQ2	71.29	chr4	4q21.23	43	158.16
ZBED5	71.27	chr11	11p15.3	65	120.73
ADRBK1	71.25	chr11	11q13.1	48	159.83
KBTBD11	71.23	chr8	8p23.3	30	80.66
Hs.633708	71.23	chr19	N/A	1	0.00
GLA	71.22	chrX	Xq22	30	60.68
SKIV2L2	71.20	chr5	5q11.2	30	69.38
TOP3B	71.20	chr22	22q11.22	48	336.05
C16orf72	71.19	chr16	16p13.2	60	120.65
Hs.549268	71.18	chr12	N/A	7	228.82
Hs.600844	71.17	chr1	N/A	18	116.16
C7orf41	71.17	chr7	7p14.3	61	132.58
Hs.530359	71.17	chrX	N/A	8	61.29
SLC25A1	71.16	chr22	22q11.21	34	89.92
SMARCA5	71.15	chr4	4q31.1-q31.2	53	153.22
Hs.733732	71.14	chrX	N/A	7	51.60
KIAA0195	71.14	chr17	17q25.1	30	89.94
ZNF746	71.13	chr7	7q36.1	25	53.60
TMEM187	71.12	chrX	Xq28	30	95.52
ATOX8	71.11	chr2	2p11.2	31	187.75
GCDH	71.10	chr19	19p13.2	47	60.89
BAX	71.10	chr19	19q13.3-q13.4	90	94.53
SLC20A1	71.07	chr2	2q13	40	122.42
RAB32	71.07	chr6	6q24.3	41	113.91
ARFGAP3	71.05	chr22	22q13.2	26	67.68
IQGAP1	71.05	chr15	15q26.1	66	229.53
SWI5	71.02	chr9	9q34.11	24	65.81
Hs.567355	71.02	chr22	N/A	1	0.00
ARAP1	71.01	chr11	11q13.4	52	113.30
FAM117A	70.99	chr17	17q21.33	28	54.98
NR2F2	70.95	chr15	15q26	122	104.39
CAPRIN1	70.93	chr11	11p13	118	121.29
GIGYF1	70.92	chr7	7q22	36	146.38
MEF2A	70.91	chr15	15q26	67	140.75
XPA	70.91	chr9	9q22.3	39	177.35
PLEKHA4	70.85	chr19	19q13.33	38	106.95
SMN2	70.85	chr5	5q13.2	34	154.94
SNAPC3	70.84	chr9	9p22.3	77	128.91
Hs.444517	70.83	chr4	N/A	8	48.91
HLTF	70.81	chr3	3q25.1-q26.1	55	232.46
ABHD2	70.80	chr15	15q26.1	128	205.33
VPS26B	70.80	chr11	11q25	54	133.74
ZEB1	70.80	chr10	10p11.2	48	187.21
Hs.638142	70.80	chr17	N/A	2	81.36
NAA38	70.79	chr7	7q31.1-q31.3	65	77.56
MYH10	70.78	chr17	17p13	88	213.62
HBP1	70.77	chr7	7q22-q31	63	149.54
CDH19	70.77	chr18	18q22.1	59	104.88
SPRYD4	70.74	chr12	12q13.3	16	75.97
COG1	70.71	chr17	17q25.1	55	104.02
PHF6	70.70	chrX	Xq26.3	47	276.57
NRP1	70.69	chr10	10p12	88	113.57
COG8	70.69	chr16	16q22.1	59	215.60
PHIP	70.67	chr6	6q14	90	250.19
BCL7C	70.66	chr16	16p11	26	67.55
ZBTB17	70.66	chr1	1p36.13	35	73.07
RPRD1A	70.66	chr18	18q12.2	77	139.59
ITFG1	70.65	chr16	16q12.1	68	149.84
SPTB	70.65	chr14	14q23-q24.2	89	177.54
FAM203A	70.65	chr8	8q24.3	38	152.09
GIMAP6	70.64	chr7	N/A	34	94.92

Hs.594327	70.63	chr12	N/A	7	50.07
TNNT3	70.63	chr11	11p15.5	44	52.60
TJP2	70.62	chr9	9q13-q21	67	121.26
Hs.722057	70.60	chr1	N/A	11	134.62
FCHSD2	70.57	chr11	11q13.4	61	136.48
EIF2B3	70.56	chr1	1p34.1	18	93.44
GALC	70.56	chr14	14q31	48	113.86
TMEM181	70.54	chr6	6q25.3	23	76.15
Hs.731592	70.49	chrX	N/A	1	0.00
MRPL30	70.47	chr2	2q11.2	67	104.21
BRD7	70.47	chr16	16q12	40	77.67
Hs.656956	70.45	chr13	N/A	7	55.23
MYOT	70.45	chr5	5q31	28	158.73
C1orf191	70.45	chr1	1p32.3	1	0.00
ITGB2	70.44	chr21	21q22.3	78	152.72
PSMC3IP	70.44	chr17	17q21.2	38	205.30
Hs.709031	70.44	chr2	N/A	3	4.58
SMEK2	70.42	chr2	2p16.1	48	170.74
Hs.595627	70.41	chr9	N/A	7	64.73
WDR77	70.40	chr1	1p13.2	28	61.40
GPR137B	70.40	chr1	1q42-q43	37	103.41
WIZ	70.38	chr19	19p13.1	53	145.50
Hs.666436	70.37	chr7	N/A	7	81.72
Hs.732041	70.35	chr6	N/A	15	163.14
RPP14	70.34	chr3	3p14.3	59	84.09
Hs.543417	70.34	chr4	N/A	7	55.44
KIAA0907	70.31	chr1	1q22	46	106.13
AGFG1	70.31	chr2	2q36.3	79	131.32
Hs.663640	70.29	chr5	N/A	16	139.80
Hs.544119	70.28	chr5	N/A	7	79.02
UBAP2L	70.27	chr1	1q21.3	65	130.68
LSS	70.27	chr21	21q22.3	96	89.34
PEX3	70.26	chr6	6q24.2	48	109.18
Hs.439713	70.25	chr19	N/A	11	163.05
PNPO	70.24	chr17	17q21.32	53	135.16
Hs.661033	70.24	chr1	N/A	2	121.38
USP21	70.23	chr1	1q22	44	171.24
LOC284454	70.22	chr19	19p13.13	22	98.72
LOC100134259	70.21	chr2	2p21	11	57.22
AKT2	70.20	chr19	19q13.1-q13.2	96	216.24
Hs.664587	70.18	chr2	N/A	7	108.20
GSR	70.17	chr8	8p21.1	63	145.21
PITPNA-AS1	70.16	chr17	17p13.3	1	0.00
SEMG2	70.16	chr20	20q12-q13.1	44	411.40
CYP3A5	70.15	chr7	7q21.1	80	198.58
ZFP14	70.13	chr19	19q13.12	26	197.97
Hs.681787	70.12	chr16	N/A	2	107.15
Hs.592692	70.12	chr6	N/A	39	90.64
PELI3	70.11	chr11	11q13.2	27	119.31
DEDD	70.08	chr1	1q23.3	39	117.30
CHRNA3	70.07	chr15	15q24	46	549.86
Hs.543865	70.06	chr5	N/A	3	0.67
ADAM19	70.06	chr5	5q33.3	61	140.37
CACTIN	70.04	chr19	19p13.3	80	240.43
LSMEM2	70.04	chr3	3p21.31	18	82.27
FLRT2	70.03	chr14	14q24-q32	45	404.10
SMAP2	70.01	chr1	1p35.3-p34.1	31	154.32
Hs.733420	69.98	chr18	N/A	3	9.79
SNRK	69.96	chr3	3p22.1	71	199.20
ZNF812	69.96	chr19	19p13.2	9	70.70
G6PC3	69.96	chr17	17q21.31	41	165.55
SCARF1	69.96	chr17	17p13.3	32	245.93
MRI1	69.95	chr19	19p13.2	31	111.81
PPP3CC	69.95	chr8	8p21.3	52	98.10
C1orf50	69.93	chr1	1p34.2	40	95.45
EPHX2	69.93	chr8	8p21	30	75.22

MIER1	69.92	chr1	1p31.3	77	154.56
MGAT2	69.92	chr14	14q21	60	137.79
SIGIRR	69.92	chr11	11p15.5	32	66.52
C4orf27	69.90	chr4	4q33	39	63.75
PLA2G12A	69.89	chr4	4q25	49	102.66
SLC1A2	69.89	chr11	11p13-p12	60	507.53
Hs.700734	69.84	chr22	N/A	10	34.20
PPP6R1	69.81	chr19	19q13.42	40	63.80
TAOK1	69.81	chr17	17q11.2	90	162.20
IGF1R	69.80	chr15	15q26.3	142	382.62
ACN9	69.80	chr7	7q21.3	31	82.64
EPC2	69.79	chr2	2q23.1	24	65.38
PARP4	69.78	chr13	13q11	54	120.16
Hs.680516	69.75	chr14	N/A	2	50.59
NOC2L	69.74	chr1	1p36.33	59	175.40
GMPS	69.72	chr3	3q24	20	39.90
CUL9	69.72	chr6	6p21.1	40	154.60
MYB	69.71	chr6	6q22-q23	64	218.95
CARS	69.71	chr11	11p15.5	46	91.73
Hs.538526	69.69	chr10	N/A	7	33.35
MTSS1L	69.67	chr16	16q22.1	47	142.15
FNDC3B	69.66	chr3	3q26.31	116	147.61
POMT1	69.63	chr9	9q34.1	51	63.00
Hs.731901	69.63	chr18	N/A	5	134.22
TLN2	69.63	chr15	15q15-q21	62	88.26
GMFB	69.62	chr14	14q22.2	45	121.01
COMMD8	69.62	chr4	4p12	31	76.77
ATG3	69.61	chr3	3q13.2	49	86.38
C17orf70	69.60	chr17	17q25.3	39	99.20
PTGER4P2-CDK2A	69.59	chr9	9q13	29	97.44
PSEN2	69.59	chr1	1q31-q42	77	88.05
WDPCP	69.59	chr2	2p15	19	103.85
CDK5RAP2	69.58	chr9	9q33.2	60	133.92
FMR1	69.57	chrX	Xq27.3	44	152.69
RNF123	69.57	chr3	3p24.3	29	114.77
XPO4	69.54	chr13	13q11	52	133.67
NUDT21	69.52	chr16	16q12.2	70	136.96
HIBCH	69.52	chr2	2q32.2	52	75.63
PARP3	69.51	chr3	3p21.31-p21.1	39	163.29
GCAT	69.50	chr22	22q13.1	39	108.83
ARG2	69.50	chr14	14q24.1	35	175.16
Hs.660465	69.49	chr1	N/A	7	58.56
Hs.720449	69.48	chr15	N/A	8	67.68
Hs.205952	69.45	chr4	N/A	16	92.82
ZNF69	69.45	chr19	19p13.2	13	159.75
SLC35G3	69.40	chr17	17q12	17	194.30
SLC25A26	69.39	chr3	3p14.1	50	76.57
Hs.602597	69.39	chr9	N/A	3	105.42
Hs.655648	69.38	chr2	N/A	1	0.00
Hs.135763	69.36	chr4	N/A	15	109.40
VPS41	69.36	chr7	7p14-p13	82	143.90
Hs.658786	69.35	chr2	N/A	15	191.30
BOLA1	69.32	chr1	1q21	28	71.58
Hs.644438	69.32	chr6	N/A	1	0.00
CXCL16	69.31	chr17	17p13	29	181.16
NRN1	69.30	chr6	6p25.1	38	87.87
MAPK6	69.30	chr15	15q21	47	117.59
MAPKAP1	69.29	chr9	9q33.3	65	105.11
RIN2	69.29	chr20	20p11.22	75	142.76
Hs.570588	69.29	chr3	N/A	7	52.90
SAFB2	69.29	chr19	19p13.3	58	90.08
ROBO2	69.27	chr3	3p12.3	71	351.65
Hs.582701	69.24	chr6	N/A	3	7.92
Hs.601806	69.22	chr2	N/A	3	15.25
LINC00478	69.21	chr21	21q21.1	45	95.36
ECSCR	69.15	chr5	5q31.2	21	84.92

SCNM1	69.15	chr1	1q21.3	41	100.87
RGPD5	69.15	chr2	2q13	84	155.40
SIAH1	69.13	chr16	16q12.1	70	154.81
Hs.660927	69.13	chr2	N/A	7	100.76
SMIM20	69.13	chr4	4p15.2	18	50.41
TMEM55A	69.11	chr8	8q21.3	24	88.01
LAPTM5	69.11	chr1	1p34	55	170.75
STC1	69.09	chr8	8p21-p11.2	54	163.25
Hs.597730	69.02	chr17	N/A	7	40.36
PKP4	69.02	chr2	2q24.1	59	118.82
RPF2	69.02	chr6	6q21	30	87.25
Hs.596603	69.02	chr14	N/A	7	210.54
PDE4B	69.02	chr1	1p31	78	247.79
ANAPC15	69.02	chr11	11q13.4	30	77.44
ZCCHC9	69.01	chr5	5q14.1	29	89.66
KGFLP2	69.00	chr9	9p12	21	76.26
APOA1	69.00	chr11	11q23-q24	61	81.92
CRTAP	68.99	chr3	3p22.3	98	137.36
FAM219B	68.99	chr15	15q24.1	30	131.30
RAC2	68.98	chr22	22q13.1	62	162.58
TRIT1	68.97	chr1	1p34.2	28	54.63
LTC4S	68.97	chr5	5q35	36	166.25
FAM168A	68.97	chr11	11q13.4	42	152.61
Hs.731916	68.94	chr9	N/A	8	249.67
VEGFC	68.93	chr4	4q34.3	40	102.04
FBXO9	68.92	chr6	6p12.3-p11.2	112	144.41
CDC42EP1	68.92	chr22	22q13.1	53	85.44
C2CD2	68.89	chr21	21q22.3	43	205.30
NR1D1	68.88	chr17	17q11.2	45	98.39
GTF3C1	68.88	chr16	16p12	33	89.63
LOC100652791	68.87	chr8	8p23.1	21	119.98
Hs.660167	68.86	chr12	N/A	1	0.00
ERP44	68.85	chr9	9q31.1	65	124.05
CWC27	68.80	chr5	5q12.3	35	70.09
DLG2	68.75	chr11	11q14.1	75	563.81
UACA	68.73	chr15	15q22-q24	75	249.30
PDE7A	68.73	chr8	8q13	92	188.41
EDC4	68.73	chr16	16q22.1	30	118.05
HBS1L	68.72	chr6	6q23.3	84	129.74
MPEG1	68.72	chr11	11q12.1	34	225.05
PXDN	68.66	chr2	2p25	59	112.36
WDR81	68.65	chr17	17p13.3	28	119.68
Hs.149762	68.64	chr2	N/A	16	97.28
Hs.669920	68.61	chr12	N/A	1	0.00
Hs.494100	68.61	chr9	N/A	7	53.65
CIDEA	68.61	chr18	18	30	162.36
GLB1	68.58	chr3	3p21.33	60	105.20
PNKP	68.58	chr19	19q13.3-q13.4	26	102.18
Hs.659569	68.58	chr1	N/A	1	0.00
KLF10	68.57	chr8	8q22.2	41	68.37
SAP30	68.57	chr4	4q34.1	56	96.30
COMMD10	68.57	chr5	5q23.1	52	86.95
NMB	68.56	chr15	15q22-qter	30	67.05
C17orf74	68.54	chr17	17p13.1	17	106.54
REPS2	68.53	chrX	Xp22.2	68	230.35
SLC25A45	68.52	chr11	11q13.1	55	303.79
UBE2V1	68.51	chr20	20q13.2	83	89.27
GPR133	68.50	chr12	12q24.33	29	89.49
Hs.639907	68.50	chr2	N/A	3	5.65
Hs.659068	68.49	chr8	N/A	7	73.83
GLS	68.48	chr2	2q32-q34	129	145.17
PPP2R2D	68.46	chr10	10q26.3	35	101.80
BACE1	68.45	chr11	11q23.2-q23.3	67	169.73
RBM15B	68.44	chr3	3p21.2	38	109.71
Hs.665416	68.44	chr10	N/A	17	112.00
GFPT2	68.41	chr5	5q34-q35	30	84.19

Hs.661026	68.40	chr6	N/A	3	4.20
Hs.553431	68.39	chr2	N/A	3	13.48
B3GALT6	68.36	chr1	1p36.33	37	84.88
NR1H3	68.36	chr11	11p11.2	32	89.67
KIAA0391	68.35	chr14	14q13.2	49	107.77
SLC38A7	68.34	chr16	16q21	48	85.76
SLC48A1	68.33	chr12	12q13.11	41	68.91
GADD45G	68.33	chr9	9q22.1-q22.2	40	134.87
RBM38	68.32	chr20	20q13.31	54	89.81
NGDN	68.31	chr14	14q11.2	40	86.08
SLC38A10	68.29	chr17	17q25.3	79	125.31
ZNF688	68.29	chr16	16p11.2	50	168.19
TMEM167A	68.28	chr5	5q14.2	35	120.27
MAVS	68.27	chr20	20p13	77	110.20
PRODH	68.26	chr22	22q11.21	32	163.00
MSMO1	68.26	chr4	4q32-q34	43	244.59
DHX36	68.23	chr3	3q25.2	53	94.40
SNAPC5	68.22	chr15	15q22.31	56	93.62
RAI14	68.21	chr5	5p13.3-p13.2	53	198.90
Hs.728191	68.20	chr7	N/A	8	63.76
LY86	68.20	chr6	6p25.1	28	72.72
HBZ	68.19	chr16	16p13.3	42	234.57
CNKS3	68.18	chr6	6q25.2	40	135.63
CASP3	68.17	chr4	4q34	73	84.53
OGFOD1	68.16	chr16	16q12.2	45	77.94
FBR3	68.16	chr16	16p11.2	30	124.13
L3MBTL2	68.15	chr22	22q13.31-q13.33	33	125.77
NDRG3	68.14	chr20	20q11.21-q11.23	41	89.26
Hs.504844	68.14	chr12	N/A	8	239.47
Hs.719698	68.12	chr4	N/A	17	106.17
BIN1	68.11	chr2	2q14	78	75.87
RPUSD2	68.09	chr15	15q13.3	30	107.13
SGCD	68.09	chr5	5q33-q34	112	136.04
Hs.55220	68.09	chr6	N/A	7	68.13
Hs.719973	68.08	chr14	N/A	5	144.96
SIRPA	68.08	chr20	20p13	85	140.01
Hs.594721	68.06	chr11	N/A	7	111.56
GALNT18	68.06	chr11	11p15.3	34	102.64
CBLB	68.06	chr3	3q13.11	52	150.67
HDHD1	68.05	chrX	Xp22.32	51	103.22
KIAA0087	68.04	chr7	7p15.2	31	220.20
Hs.707043	68.04	chr5	N/A	8	6.88
EXT2	68.03	chr11	11p12-p11	53	93.77
ZNF639	68.03	chr3	3q26.33	37	115.06
RHOB3	68.03	chr5	5q15	87	155.47
Hs.713983	68.02	chr2	N/A	8	102.92
Hs.655770	68.00	chr2	N/A	10	100.62
GORASP1	67.99	chr3	3p22-p21.33	38	142.23
PARVA	67.97	chr11	11p15.3	91	91.47
OR5AP2	67.97	chr11	11q12.1	18	256.81
C22orf43	67.96	chr22	22q11.2	29	135.90
SSFA2	67.96	chr2	2q31.3	73	205.95
KCNK5	67.95	chr6	6p21	28	139.13
LETMD1	67.90	chr12	12q13.12	38	48.24
ZNF775	67.90	chr7	7q36.1	36	140.00
Hs.611969	67.89	chr6	N/A	1	0.00
RBM12	67.89	chr20	20q11.21	50	105.42
SLC15A4	67.89	chr12	12q24.32	53	91.68
FAM118B	67.88	chr11	11q24.2	28	201.33
YES1	67.88	chr18	18p11.31-p11.21	67	130.57
CLIP4	67.88	chr2	2p23.2	66	115.06
TANK	67.86	chr2	2q24-q31	69	126.20
Hs.551847	67.85	chr1	N/A	4	43.57
DNASE2	67.84	chr19	19p13.2	28	106.81
RNF41	67.84	chr12	12q13.13	46	94.07
RWDD2B	67.82	chr21	21q22.11	43	100.53

Hs.657311	67.82	chr13	N/A	1	0.00
Hs.633101	67.79	chr17	N/A	8	195.75
DUSP8	67.79	chr11	11p15.5	60	67.89
DUSP11	67.78	chr2	2p13.1	33	111.28
RASSF1	67.78	chr3	3p21.3	50	87.14
PNP	67.78	chr14	14q13.1	40	117.41
TMEM191C	67.77	chr22	22q11.21	19	93.46
DUSP14	67.77	chr17	17q12	37	65.03
Hs.659624	67.77	chr10	N/A	2	70.22
Hs.701118	67.75	chrX	N/A	3	3.54
SEC63	67.75	chr6	6q21	88	77.19
IGHMBP2	67.72	chr11	11q13.3	41	138.82
SPNS2	67.72	chr17	17p13.2	31	87.83
ZNF592	67.69	chr15	15q25.3	36	93.11
NSMAF	67.68	chr8	8q12-q13	48	96.64
TRAPPC9	67.65	chr8	8q24.3	38	100.16
DSE	67.64	chr6	6q22	90	187.58
Hs.713949	67.64	chr16	N/A	1	0.00
UPF1	67.62	chr19	19p13.2-p13.11	42	80.79
BTBD2	67.62	chr19	19p13.3	31	172.29
INTS12	67.61	chr4	4q24	28	80.40
PRPSAP2	67.61	chr17	17p11.2-p12	33	62.55
TNNI3K	67.59	chr1	1p31.1	71	122.84
SCN2B	67.58	chr11	11q23	53	130.63
USB1	67.57	chr16	16q21	43	128.51
THUMPD1	67.55	chr16	16p12.3	67	159.62
TFDP2	67.55	chr3	3q23	73	90.22
LCN2	67.54	chr9	9q34	45	179.80
LPHN2	67.53	chr1	1p31.1	54	126.85
RNF130	67.53	chr5	5q35.3	62	128.73
Hs.740731	67.51	chr1	N/A	5	64.13
NGLY1	67.50	chr3	3p24.2	36	92.66
PRMT2	67.49	chr21	21q22.3	107	124.82
TNIP2	67.48	chr4	4p16.3	43	116.66
ARHGEF9	67.48	chrX	Xq11.1	52	116.62
CCDC60	67.47	chr12	12q24.23	19	261.60
DICER1	67.47	chr14	14q32.13	115	145.12
OSBP	67.42	chr11	11q12-q13	53	190.96
Hs.741713	67.42	chr15	N/A	7	76.80
XPO6	67.41	chr16	16p11.2	47	79.46
RCOR3	67.41	chr1	1q32.2	56	140.28
CGRRF1	67.39	chr14	14q22.2	58	94.66
WBP1	67.34	chr2	2p12	20	45.00
LOC401321	67.33	chr7	7p14.3	13	69.21
Hs.708518	67.33	chr2	N/A	7	51.53
UGT2B10	67.32	chr4	4q13.2	25	103.99
VGLL4	67.31	chr3	3p25.3	56	115.30
RALGDS	67.31	chr9	9q34.3	58	134.96
FAM133B	67.30	chr7	7q21.2	68	117.97
C8orf76	67.30	chr8	8q24.13	34	77.51
LOC100129361	67.29	chr12	12p13.2	15	170.76
SPG11	67.29	chr15	15q14	44	114.78
TNK2	67.28	chr3	3q29	80	149.62
KDM4A	67.27	chr1	1p34.1	49	135.94
TEAD3	67.26	chr6	6p21.2	61	88.33
SEC14L1	67.25	chr17	17q25.2	79	113.55
PPP1R3B	67.25	chr8	8p23.1	50	124.06
Hs.723596	67.25	chr7	N/A	7	105.32
IL33	67.25	chr9	9p24.1	33	125.58
FAM21A	67.25	chr10	10q11.23	39	85.52
Hs.735516	67.24	chr3	N/A	1	0.00
Hs.209973	67.23	chr4	N/A	10	41.02
KLHL32	67.23	chr6	6q16.1	26	244.51
Hs.387794	67.22	chr8	N/A	14	91.14
LGALS9	67.22	chr17	17q11.2	43	106.60
Hs.742328	67.22	chr15	N/A	3	9.52

CEP85	67.21	chr1	1p36.11	29	77.14
GDF15	67.21	chr19	19p13.11	48	231.59
IRF6	67.19	chr1	1q32.3-q41	38	81.95
JMJD7-PLA2G4B	67.17	chr15	15q11.2-q21.3	54	94.03
HSPBP1	67.16	chr19	19q13.42	46	89.46
Hs.603335	67.15	chr17	N/A	7	42.47
SAFB	67.15	chr19	19p13.3-p13.2	52	161.07
TM2D2	67.15	chr8	8p11.22	43	80.36
CAPZA1	67.15	chr1	1p13.2	63	127.60
FAM103A1	67.13	chr15	15q25.2	38	76.17
Hs.718653	67.13	chr17	N/A	8	102.39
ATP6V1C2	67.12	chr2	N/A	55	237.43
Hs.715073	67.12	chr2	N/A	3	8.07
DUS1L	67.11	chr17	17q25.3	28	54.37
CEND1	67.10	chr11	11p15.5	36	108.53
LIMA1	67.09	chr12	12q13	30	68.49
TMEM69	67.09	chr1	1p34.1	26	77.31
TACSTD2	67.08	chr1	1p32	57	245.40
Hs.688244	67.05	chr1	N/A	3	17.08
Hs.128330	67.04	chr4	N/A	8	90.86
ZNF25	67.04	chr10	10p11.1	40	148.79
Hs.713997	67.02	chr20	N/A	7	60.26
EGFLAM	67.01	chr5	5p13.2-p13.1	65	164.41
A2M-AS1	67.01	chr12	12p13.31	1	0.00
GKAP1	67.01	chr9	9q21.32	35	84.81
CDS2	67.00	chr20	20p13	73	125.71
FOXP1-IT1	67.00	chr3	N/A	3	15.38
PRMT7	66.98	chr16	16q22.1	37	90.70
IFI35	66.97	chr17	17q21	30	85.41
NANS	66.95	chr9	9p24.1-p23	31	58.40
C12orf75	66.95	chr12	12q23.3	13	103.57
ULK3	66.93	chr15	15q24.1	36	76.72
PDK1	66.89	chr2	2q31.1	55	107.79
Hs.565597	66.89	chr2	N/A	3	5.09
EPB41L2	66.87	chr6	6q23	59	225.18
MRPL4	66.87	chr19	19p13.2	43	82.04
Hs.134470	66.85	chr17	N/A	20	110.51
ZNF598	66.82	chr16	16p13.3	38	99.94
Hs.668421	66.82	chr1	N/A	4	50.64
Hs.433010	66.81	chr19	N/A	23	113.27
ZNF429	66.78	chr19	19p13.1	34	101.93
C8orf37	66.78	chr8	8q22.1	35	264.97
MLLT6	66.77	chr17	17q21	77	146.25
ANP32E	66.76	chr1	1q21.2	72	119.02
C14orf169	66.75	chr14	14q24.3	18	41.06
TNFRSF19	66.75	chr13	13q12.11-q12.3	47	150.74
NKX2-8	66.74	chr14	14q13.3	25	164.91
CASC4	66.74	chr15	15q15.3	51	213.45
NMD3	66.74	chr3	3q26.1	67	105.43
MAP4K4	66.73	chr2	2q11.2-q12	121	130.07
PCGF2	66.73	chr17	17q12	38	118.61
TARBP2	66.69	chr12	12q12-q13	33	90.17
FAM189B	66.68	chr1	1q21	47	69.53
MYD88	66.67	chr3	3p22	40	103.69
ORMDL1	66.67	chr2	2q32	54	81.13
Hs.232520	66.65	chr12	N/A	3	20.47
RSL1D1	66.65	chr16	16p13.13	93	93.74
Hs.732749	66.65	chr15	N/A	7	105.21
Hs.733064	66.65	chr7	N/A	14	70.03
Hs.558286	66.65	chr9	N/A	3	10.86
Hs.657696	66.62	chr3	N/A	4	18.56
Hs.386232	66.60	chr18	N/A	3	3.66
FGFR1	66.58	chr8	8p12	133	114.81
PARP2	66.58	chr14	14q11.2-q12	47	62.66
Hs.659956	66.58	chr2	N/A	7	22.50
C20orf96	66.57	chr20	20p13	26	227.11

Hs.657148	66.57	chr9	N/A	7	70.88
PNPLA6	66.56	chr19	19p13.2	30	136.05
Hs.658355	66.55	chr2	N/A	17	170.47
KLHL9	66.54	chr9	9p22	53	112.55
ATP1B2	66.53	chr17	17p13.1	31	135.08
APLN	66.52	chrX	Xq25	46	62.62
UCK2	66.52	chr1	1q23	37	133.50
DDA1	66.52	chr19	19p13.11	53	231.63
STRN3	66.48	chr14	14q13-q21	83	200.79
UHMK1	66.47	chr1	1q23.3	53	128.25
MXRA5	66.46	chrX	Xp22.33	30	92.45
KRTAP4-1	66.44	chr17	17q12-q21	29	116.42
CABP7	66.41	chr22	22q12.2	20	253.77
CCDC88A	66.40	chr2	2p16.1	188	684.60
NKIRAS1	66.39	chr3	3p24.2	33	108.78
SOBP	66.39	chr6	6q21	51	87.49
PSKH1	66.38	chr16	16q22.1	34	78.81
E2F3	66.37	chr6	6p22	35	114.25
SLC7A2	66.37	chr8	8p22	59	132.18
NUMA1	66.35	chr11	11q13	53	98.60
ZNF740	66.35	chr12	12q13.13	32	381.83
CCNG1	66.32	chr5	5q32-q34	33	129.40
Hs.661187	66.28	chr4	N/A	4	23.09
Hs.710834	66.28	chr17	N/A	3	4.15
ZNF394	66.26	chr7	7q22.1	24	105.18
Hs.603455	66.24	chr9	N/A	3	161.69
PM20D2	66.23	chr6	6q15	27	97.66
Hs.599215	66.22	chr2	N/A	3	5.03
IMPDH1	66.21	chr7	7q31.3-q32	64	101.87
NFKB1	66.21	chr4	4q24	71	179.15
WDR37	66.20	chr10	10p15.3	58	137.23
KIAA1468	66.20	chr18	18q21.33	39	255.31
OR1L3	66.18	chr9	9q33.2	18	239.01
BST1	66.18	chr4	4p15	51	425.70
GALK1	66.16	chr17	17q24	31	174.48
SLC15A3	66.16	chr11	11q12.2	26	104.82
LSM12	66.15	chr17	17q21.31	53	140.12
PFKFB3	66.14	chr10	10p15.1	74	127.55
Hs.645871	66.13	chr9	N/A	3	100.56
Hs.713154	66.13	chr13	N/A	10	54.17
CIZ1	66.13	chr9	9q34.1	55	128.03
TBK1	66.13	chr12	12q14.1	30	83.12
OSBPL5	66.13	chr11	11p15.4	30	75.49
LMF2	66.11	chr22	22q13.33	35	88.01
Hs.729510	66.10	chrX	N/A	1	0.00
EIF2B1	66.09	chr12	12q24.31	37	85.72
EID2	66.08	chr19	19q13.2	24	44.25
Hs.269941	66.08	chr12	N/A	1	0.00
KHDRBS3	66.08	chr8	8q24.2	36	117.41
CNOT2	66.06	chr12	12q15	80	97.44
NAA35	66.05	chr9	9q21.33	56	83.35
ARHGAP8	66.04	chr22	22q13.31	43	266.78
ZFR	66.01	chr5	5p13.3	87	123.73
ST3GAL6	66.00	chr3	3q12.1	158	75.21
Hs.659193	65.99	chr12	N/A	5	88.86
Hs.619251	65.99	chr12	N/A	3	3.02
Hs.593044	65.95	chr2	N/A	9	43.11
Hs.633010	65.95	chr1	N/A	8	84.07
DOLK	65.94	chr9	9q34.11	23	63.61
LAMTOR3	65.93	chr4	4q23	39	122.71
FGFR1OP2	65.93	chr12	12p11.23	77	250.88
CXADR	65.90	chr21	21q21.1	72	136.42
CADM1	65.90	chr11	11q23.2	85	170.95
CCDC90B	65.89	chr11	11q14.1	54	97.60
ZSWIM7	65.88	chr17	17p12	26	52.06
Hs.655114	65.86	chr1	N/A	1	0.00

Hs.673633	65.86	chr15	N/A	1	0.00
GPR156	65.84	chr3	3q13.33	26	231.57
NUP107	65.83	chr12	12q15	35	44.60
CT47A11	65.81	chrX	Xq24	32	149.51
ZNF714	65.81	chr19	19p12	25	94.42
Hs.708503	65.80	chr3	N/A	1	0.00
Hs.471461	65.79	chr2	N/A	7	115.64
Hs.707298	65.77	chr1	N/A	3	3.00
ATAD3C	65.75	chr1	1p36.33	17	60.04
RFC4	65.74	chr3	3q27	47	110.79
EMILIN1	65.74	chr2	2p23.3-p23.2	23	69.36
ACY1	65.74	chr3	3p21.1	29	65.82
MRPL44	65.73	chr2	2q36.1	25	60.11
NT5C2	65.72	chr10	10q24.32	47	109.12
Hs.678310	65.72	chr14	N/A	7	79.86
RAP2A	65.72	chr13	13q34	68	234.65
Hs.706976	65.69	chr14	N/A	7	60.77
ARID5B	65.69	chr10	10q21.2	103	143.87
RILPL2	65.68	chr12	12q24.31	26	67.30
STRN	65.67	chr2	2p22.2	90	211.61
FOXO1	65.65	chr13	13q14.1	71	91.54
HIGD1B	65.62	chr17	17q21.31	21	71.92
PCM1	65.61	chr8	8p22-p21.3	90	108.54
Hs.655717	65.61	chr17	N/A	18	133.60
STK19	65.60	chr6	6p21.3	36	70.43
MUS81	65.60	chr11	11q13	55	70.23
BFAR	65.60	chr16	16p13.12	38	88.56
PGAP2	65.60	chr11	11p15.5	38	61.50
TECPR1	65.58	chr7	7q21.3	21	56.49
DAZAP1	65.58	chr19	19p13.3	44	103.68
RGS19	65.58	chr20	20q13.33	30	102.64
GATAD2B	65.58	chr1	1q21.3	36	101.87
FAM166A	65.57	chr9	9q34.3	6	140.42
PGLS	65.56	chr19	19p13.2	45	86.64
ECD	65.55	chr10	10q22.3	43	57.66
GPD1	65.55	chr12	12q12-q13	71	117.15
Hs.677564	65.54	chr13	N/A	1	0.00
ATL3	65.54	chr11	11q13.1	31	89.87
FAM222B	65.54	chr17	17q11.2	37	91.47
ZFP62	65.54	chr5	5q35.3	21	172.05
ASB18	65.53	chr2	2q37.2	3	4.29
EDNRA	65.53	chr4	4q31.22	50	93.10
KIAA0368	65.53	chr9	9q31.3	58	137.04
PTPMT1	65.52	chr11	11p11.2	30	88.18
HSPA13	65.51	chr21	21q11	51	186.99
FBXO38	65.49	chr5	5q32	60	99.91
DDR2	65.48	chr1	1q23.3	60	130.68
MXD4	65.47	chr4	4p16.3	77	134.65
EZH2	65.47	chr7	7q35-q36	35	227.73
ALG3	65.46	chr3	3q27.1	43	76.93
METTL22	65.46	chr16	16p13.2	63	91.20
ADAP2	65.46	chr17	17q11.2	46	147.46
SLC5A2	65.46	chr16	16p11.2	30	114.79
MTHFS	65.44	chr15	15q25.1	39	91.70
SMAD2	65.43	chr18	18q21.1	108	120.86
Hs.659612	65.43	chr1	N/A	7	41.26
RNPEP	65.43	chr1	1q32	38	87.34
TP53TG1	65.42	chr7	7q21.1	57	84.64
TSSC1	65.42	chr2	2p25.3	28	74.31
Hs.661201	65.41	chrX	N/A	7	145.43
GOLT1B	65.39	chr12	12p12.1	46	157.82
SYNE1	65.39	chr6	6q25	122	261.90
Hs.607197	65.37	chr5	N/A	1	0.00
Hs.538221	65.36	chr1	N/A	3	7.06
Hs.662581	65.35	chr17	N/A	8	84.73
Hs.728430	65.34	chr8	N/A	14	68.14

Hs.721201	65.33	chr10	N/A	10	40.18
COLEC12	65.32	chr18	18pter-p11.3	31	86.92
Hs.474479	65.31	chr3	N/A	7	48.21
OR52D1	65.31	chr11	11p15.4	6	129.56
CD48	65.31	chr1	1q21.3-q22	48	211.34
RARA	65.31	chr17	17q21	68	109.96
PIGS	65.30	chr17	17p13.2	31	104.63
OVCH1	65.29	chr12	12p11.22	5	127.13
MBD3	65.28	chr19	19p13.3	52	102.76
ABI3BP	65.28	chr3	3q12	39	129.05
RGMA	65.28	chr15	15q26.1	37	133.01
CLYBL	65.27	chr13	13q32	37	136.01
MYH2	65.26	chr17	17p13.1	28	214.13
SPOCK2	65.26	chr10	10pter-q25.3	48	85.48
CBX5	65.25	chr12	12q13.13	107	267.68
Hs.666566	65.25	chr8	N/A	7	75.02
Hs.596848	65.24	chr16	N/A	7	74.63
TBX3	65.24	chr12	12q24.1	61	344.34
TFE3	65.23	chrX	Xp11.22	37	106.56
AGTR1	65.21	chr3	3q24	58	247.65
KLF11	65.21	chr2	2p25	63	161.95
PEX16	65.20	chr11	11p11.2	42	129.84
PID1	65.17	chr2	2q36.3	31	97.52
AAGAB	65.16	chr15	15q22.33-q23	45	91.78
WDR75	65.15	chr2	2q32.2	28	53.93
SSBP4	65.15	chr19	19p13.1	65	83.03
CSRNP2	65.14	chr12	12q13.11-q13.12	29	89.47
KBTBD2	65.14	chr7	7p14.3	80	166.88
ENTPD4	65.12	chr8	8p21.3	58	169.85
TBCD	65.12	chr17	17q25.3	73	124.15
FTSJD2	65.09	chr6	6p21.2	44	89.21
THOC5	65.09	chr22	22q12.2	48	145.04
Hs.605350	65.09	chr1	N/A	1	0.00
Hs.657784	65.07	chr2	N/A	1	0.00
SENP2	65.04	chr3	3q27.2	50	87.33
CBS	65.04	chr21	21q22.3	52	164.72
LOC100288911	65.04	chr2	2p22.3	10	41.45
APOC1	65.03	chr19	19q13.2	50	140.69
MFN1	65.03	chr3	3q26.33	70	186.00
Hs.655252	65.01	chr8	N/A	7	151.65
HFE	65.01	chr6	6p21.3	185	219.43
ARHGEF3	65.00	chr3	3p14.3	28	126.84
RYBP	65.00	chr3	3p13	81	155.40
HEXIM2	65.00	chr17	17q21.31	22	45.58
RBP1	64.99	chr3	3q23	28	86.89
Hs.733614	64.99	chr6	N/A	5	77.81
CDC23	64.98	chr5	5q31	55	125.07
ATF2	64.97	chr2	2q32	79	253.66
TMEM136	64.96	chr11	11q23.3	35	89.55
AP2A2	64.96	chr11	11p15.5	71	88.96
RBM18	64.95	chr9	9q33.2	31	85.97
PTPN1	64.94	chr20	20q13.1-q13.2	74	141.88
Hs.600112	64.93	chr3	N/A	7	58.98
Hs.577053	64.92	chr11	N/A	4	41.17
COL23A1	64.91	chr5	5q35.3	24	57.24
Hs.658408	64.90	chr13	N/A	7	81.76
ACBD6	64.88	chr1	1q25.1	31	71.67
Hs.655814	64.88	chr1	N/A	1	0.00
LYSMD2	64.86	chr15	15q21.2	26	79.91
Hs.67197	64.85	chr10	N/A	8	63.30
SLC35B3	64.84	chr6	6p24.3	40	181.16
HTRA2	64.82	chr2	2p12	30	44.77
NBLA00301	64.82	chr4	4q34.1	43	94.05
OPN1LW	64.80	chrX	Xq28	16	93.29
DYRK2	64.78	chr12	12q15	101	119.42
LOC541471	64.77	chr2	2q13	27	148.84

Hs.663316	64.77	chr17	N/A	1	0.00
ZNF687	64.75	chr1	1q21.3	23	115.78
Hs.569800	64.75	chr17	N/A	1	0.00
Hs.571028	64.75	chr5	N/A	3	10.02
Hs.134870	64.75	chr15	N/A	7	101.68
TNPO2	64.74	chr19	19p13.2	67	192.22
PRKDC	64.73	chr8	8q11	70	218.28
Hs.662889	64.72	chr11	N/A	2	128.24
PANK4	64.70	chr1	1p36.32	21	63.24
BRF2	64.69	chr8	8p11.23	33	118.95
NUDT2	64.68	chr9	9p13	21	81.44
SLC16A8	64.68	chr22	22q12.3-q13.2	21	86.84
Hs.717114	64.67	chr19	N/A	13	91.49
EZH1	64.67	chr17	17q21.1-q21.3	54	145.45
LOC100287896	64.65	chr11	11q13.4	7	109.46
LOC284023	64.65	chr17	17p13.1	5	21.43
ZBTB8OS	64.63	chr1	1p35.1	26	57.61
MINK1	64.63	chr17	17p13.2	81	185.99
Hs.732760	64.61	chr19	N/A	1	0.00
TTI1	64.61	chr20	20q11.23	38	112.05
MOB2	64.61	chr11	11p15.5	26	58.61
GLUD2	64.60	chrX	Xq24-q25	28	58.92
SCN1B	64.58	chr19	19q13.1	33	102.72
BCAR3	64.57	chr1	1p22.1	30	85.95
MTMR9	64.57	chr8	8p23-p22	70	114.69
RHOT2	64.56	chr16	16p13.3	45	107.70
ZBTB5	64.55	chr9	9p13.2	30	76.15
ZNF683	64.53	chr1	1p36.11	33	194.65
PPP4R1	64.52	chr18	18p11.22	64	121.36
Hs.660496	64.51	chrX	N/A	8	79.18
LOC100507274	64.50	chr3	N/A	12	242.22
UBR4	64.48	chr1	1p36.13	74	117.93
TUBGCP2	64.46	chr10	10q26.3	45	93.29
MPHOSPH10	64.45	chr2	2p13.3	38	75.88
PRR5	64.43	chr22	22q13	90	247.31
CD2BP2	64.43	chr16	16p11.2	50	202.04
OR51L1	64.41	chr11	11p15.4	8	174.79
FBXO2	64.41	chr1	1p36.22	59	114.65
Hs.656531	64.40	chr3	N/A	8	53.49
SIX5	64.37	chr19	19q13.32	26	119.70
Hs.659181	64.36	chr10	N/A	8	83.26
Hs.676183	64.35	chr12	N/A	1	0.00
Hs.596942	64.34	chr2	N/A	7	46.38
CYP4F12	64.33	chr19	19p13.1	37	420.11
CEACAM19	64.33	chr19	19q13.31	36	84.06
GGPS1	64.33	chr1	1q43	47	84.72
Hs.656886	64.28	chr13	N/A	1	0.00
Hs.655687	64.27	chr5	N/A	14	312.42
C9orf142	64.27	chr9	9q34.3	26	107.29
SERTAD2	64.25	chr2	2p14	38	141.09
Hs.593356	64.24	chr8	N/A	8	111.88
Hs.710144	64.24	chr11	N/A	4	59.67
MAPK14	64.24	chr6	6p21.3-p21.2	105	171.31
LINC00304	64.24	chr16	16q24.3	12	217.00
DSC2	64.20	chr18	18q12.1	50	169.52
LBX2-AS1	64.20	chr2	2p13.1	13	57.72
CYP27A1	64.17	chr2	2q33-qter	30	166.12
BIRC3	64.17	chr11	11q22	58	165.46
Hs.222221	64.17	chr7	N/A	7	70.10
TAB2	64.17	chr6	6q25.1	54	114.90
FAM208B	64.16	chr10	10p15.1	45	175.95
Hs.600979	64.14	chr6	N/A	1	0.00
NUP205	64.12	chr7	7q33	35	133.30
FLT1	64.12	chr13	13q12	95	228.17
Hs.663257	64.11	chr6	N/A	7	65.17
Hs.293796	64.11	chr5	N/A	8	89.28

TOR3A	64.09	chr1	1q25.2	49	78.25
Hs.676503	64.07	chr9	N/A	5	41.79
MBD4	64.07	chr3	3q21.3	52	130.22
SLC39A3	64.06	chr19	19p13.3	54	239.31
TATDN3	64.06	chr1	1q32.3	41	95.42
Hs.659898	64.06	chr3	N/A	1	0.00
Hs.744460	64.05	chr9	N/A	1	0.00
Hs.634716	64.03	chr22	N/A	3	55.83
OR2A1	64.03	chr7	7q35	8	78.85
ELF1	64.02	chr13	13q13	75	161.21
SP110	64.01	chr2	2q37.1	69	88.75
PHACTR2	64.01	chr6	6q24.2	82	167.25
MST1R	64.00	chr3	3p21.3	37	313.80
TTC37	64.00	chr5	5q15	141	92.70
RNASEH1	63.99	chr2	2p25	44	84.72
SCD	63.99	chr10	10q24.31	101	201.25
Hs.713992	63.98	chr1	N/A	3	8.57
FAM92A1	63.97	chr8	8q22.1	50	85.29
Hs.598714	63.96	chr10	N/A	19	70.12
FAM32A	63.95	chr19	19pter-p13.3	25	50.17
PTPLAD1	63.95	chr15	15q22.2	76	139.60
Hs.625249	63.94	chr19	N/A	10	44.19
PCDHAC1	63.93	chr5	5q31	5	151.88
MX2	63.92	chr21	21q22.3	40	177.39
Hs.105941	63.91	chr4	N/A	5	126.29
Hs.594424	63.91	chr14	N/A	21	111.72
CUL3	63.89	chr2	2q36.2	58	201.13
ANP32A	63.89	chr15	15q23	59	186.80
ZNF467	63.88	chr7	7q36.1	57	166.10
BID	63.87	chr22	22q11.1	65	162.01
Hs.622790	63.87	chr1	N/A	3	23.93
HIATL1	63.85	chr9	9q22.32	57	87.67
DCAF12	63.85	chr9	9p13.3	33	90.20
MAGED4	63.85	chrX	Xp11.22	32	229.69
GCLC	63.84	chr6	6p12	70	180.68
TRAPPC12	63.84	chr2	2p25.3	63	111.62
LINC00152	63.84	chr2	2p11.2	47	144.02
Hs.669141	63.82	chr5	N/A	7	69.88
ATG13	63.82	chr11	11p11.2	71	192.60
MARCH5	63.81	chr10	10q23.32-q23.33	49	71.03
ARRDC3	63.81	chr5	5q14.3	49	240.49
Hs.659119	63.81	chr12	N/A	1	0.00
TEX261	63.80	chr2	2p13.3	48	92.26
Hs.519776	63.79	chr6	N/A	5	75.45
FAM126A	63.78	chr7	7p15.3	68	250.27
CCDC84	63.77	chr11	11q23.3	38	85.49
CHI3L2	63.76	chr1	1p13.3	48	151.50
PPIG	63.76	chr2	2q31.1	74	140.41
FAM53B	63.76	chr10	10q26.13	47	85.65
CCDC64	63.74	chr12	12q24.23	28	204.80
PTRH2	63.74	chr17	17q23.1	31	65.95
Hs.661006	63.72	chr7	N/A	7	48.76
LOC100996694	63.70	chr4	N/A	8	73.52
Hs.602806	63.69	chr12	N/A	7	127.38
TRIM22	63.69	chr11	11p15	40	121.16
INO80	63.69	chr15	15q15.1	58	123.85
GSK3B	63.68	chr3	3q13.3	57	134.42
VPS36	63.67	chr13	13q14.3	49	84.00
KCTD20	63.67	chr6	6p21.31	44	102.46
DNAJC3	63.66	chr13	13q32.1	63	138.82
NSDHL	63.66	chrX	Xq28	35	120.43
Hs.633529	63.64	chr2	N/A	14	66.37
OR2T2	63.64	chr1	1q44	8	115.75
ADA	63.63	chr20	20q13.12	37	68.57
CASZ1	63.63	chr1	1p36.22	55	199.08
FGF18	63.59	chr5	5q34	68	122.57

PRKD1	63.59	chr14	14q11	42	396.70
ARID1A	63.59	chr1	1p35.3	70	153.60
PHF23	63.59	chr17	17p13.1	30	188.12
DPH3	63.59	chr3	3p25.1	55	57.65
LSP1	63.58	chr11	11p15.5	55	84.55
SLC25A38	63.57	chr3	3p22.1	28	65.64
CHTF8	63.56	chr16	16q22.1	39	180.79
KCNH6	63.56	chr17	17q23.3	57	348.04
UBE2T	63.56	chr1	1q32.1	33	70.25
Hs.586760	63.56	chr12	N/A	8	59.52
FPR1	63.55	chr19	19q13.4	35	114.14
SRSF8	63.54	chr11	11q22	65	110.91
APC	63.54	chr5	5q21-q22	103	366.63
NAA50	63.53	chr3	3q13.2	74	211.97
Hs.660569	63.53	chr14	N/A	7	54.66
TMOD2	63.50	chr15	15q21.2	29	398.24
GAS2L1	63.50	chr22	22q12.2	56	111.09
FTO	63.50	chr16	16q12.2	41	109.78
PPP2R5B	63.50	chr11	11q12	35	48.27
RRM2B	63.47	chr8	8q23.1	31	94.44
TBC1D1	63.47	chr4	4p14	74	122.56
Hs.731819	63.47	chr19	N/A	1	0.00
FGA	63.46	chr4	4q28	80	277.48
Hs.444975	63.45	chr6	N/A	17	82.08
UBL3	63.45	chr13	13q12-q13	59	89.90
Hs.452445	63.43	chr2	N/A	4	18.20
LOC338799	63.41	chr12	12q24.31	37	193.62
MYT1L	63.38	chr2	2p25.3	60	653.55
FHOD1	63.37	chr16	16q22	26	118.48
ALS2CL	63.37	chr3	3p21.31	62	144.94
ST6GAL1	63.37	chr3	3q27-q28	86	179.64
CHGB	63.36	chr20	20pter-p12	40	74.93
DESI2	63.36	chr1	1q44	69	160.49
SFI1	63.36	chr22	22q12.2	63	384.60
COX8C	63.35	chr14	14q32.12	7	116.42
INHBB	63.35	chr2	2cen-q13	39	150.46
ATG14	63.35	chr14	14q22.3	39	112.65
DMAP1	63.33	chr1	1p34	37	98.98
AP3B1	63.33	chr5	5q14.1	40	78.62
RAP1GAP	63.32	chr1	1p36.1-p35	49	144.84
Hs.600127	63.32	chr1	N/A	7	116.85
PHACTR1	63.32	chr6	6p24.1	56	156.22
LBR	63.31	chr1	1q42.1	48	75.55
Hs.715916	63.31	chr17	N/A	9	101.11
ANKRD10-IT1	63.30	chr13	N/A	15	170.67
EPOR	63.29	chr19	19p13.3-p13.2	88	227.41
ABT1	63.28	chr6	6p22.2	28	139.59
NEURL4	63.27	chr17	17p13	24	57.82
UBA7	63.27	chr3	3p21	35	79.40
ELK4	63.26	chr1	1q32	64	252.67
BTG3	63.22	chr21	21q21.1	53	192.59
Hs.675532	63.22	chr21	N/A	1	0.00
Hs.434207	63.21	chr20	N/A	14	109.18
Hs.720452	63.19	chr8	N/A	7	29.69
TRAPPC6A	63.18	chr19	19q13.32	34	52.68
CCDC85C	63.15	chr14	14q32.31	36	110.14
PIGU	63.15	chr20	20q11.22	38	170.81
CYHR1	63.13	chr8	8q24.3	66	107.29
EIF5AL1	63.13	chr10	10q22.3	17	118.81
Hs.538990	63.12	chr11	N/A	3	8.85
SOX8	63.12	chr16	16p13.3	34	71.19
TEX101	63.12	chr19	19q13.31	21	272.83
MRRF	63.10	chr9	9q33.2	52	116.54
BUD13	63.10	chr11	11q23.3	26	49.70
POM121	63.08	chr7	7q11.23	94	141.79
TRMT12	63.06	chr8	8q24.13	28	49.25

CABIN1	63.06	chr22	22q11.23	52	65.93
Hs.362432	63.06	chr11	N/A	8	110.44
Hs.693701	63.03	chr9	N/A	5	115.33
FASTKD2	63.03	chr2	2q33.3	47	79.94
Hs.567033	63.02	chr9	N/A	3	4.89
SCN2A	63.02	chr2	2q24.3	49	497.16
RBP3	63.01	chr10	10q11.2	22	130.97
FAM175B	63.01	chr10	10q26.13	35	116.32
TARSL2	63.00	chr15	15q26.3	24	60.63
CCDC108	63.00	chr2	2q35	54	146.51
WASF3	62.98	chr13	13q12	30	84.51
ZFAT	62.97	chr8	8q24.22	32	192.13
PLEKHA8	62.96	chr7	7p21-p11.2	44	303.04
Hs.714914	62.94	chr10	N/A	3	2.59
APEX2	62.92	chrX	Xp11.21	30	79.93
VIT	62.91	chr2	2p22.2	29	72.00
DDX50	62.91	chr10	10q22.1	33	82.87
PYGO2	62.90	chr1	1q21.3	27	73.61
GNE	62.89	chr9	9p13.3	30	51.58
PRINS	62.89	chr10	10p12.1	15	88.63
Hs.127718	62.87	chr12	N/A	18	72.14
TMEM178B	62.85	chr7	7q34	27	119.17
TGFB111	62.83	chr16	16p11.2	33	126.41
PAK1IP1	62.82	chr6	6p24.2	134	161.15
MEX3D	62.82	chr19	19p13.3	52	183.50
NR2C2AP	62.80	chr19	19p13.11	29	111.59
DEDD2	62.80	chr19	19q13.2	26	82.60
Hs.443420	62.80	chr5	N/A	8	41.65
Hs.677047	62.79	chr3	N/A	10	142.26
WBP1L	62.79	chr10	10q24.32	44	153.80
Hs.664766	62.78	chr4	N/A	7	64.11
Hs.655754	62.77	chr9	N/A	41	107.33
ADAMTS7	62.76	chr15	15q24.2	64	161.94
FAT1	62.76	chr4	4q35	44	112.62
CHAC1	62.75	chr15	15q15.1	21	101.70
Hs.732174	62.74	chr1	N/A	5	31.86
GIPR	62.73	chr19	19q13.3	35	104.62
HABP4	62.71	chr9	9q22.3-q31	50	88.39
GTF2H4	62.71	chr6	6p21.3	30	139.42
TCIRG1	62.71	chr11	11q13.2	36	61.40
DNAJC10	62.71	chr2	2q32.1	78	93.84
Hs.615830	62.70	chr4	N/A	3	1.26
ARHGEF39	62.70	chr9	9p13.3	50	295.30
STK39	62.69	chr2	2q24.3	65	113.15
OR2T1	62.69	chr1	1q44	8	168.90
SNX13	62.68	chr7	7p21.1	76	131.32
NRM	62.67	chr6	6p21.33	26	147.25
ZNF274	62.67	chr19	19qter	37	77.08
SACM1L	62.66	chr3	3p21.3	37	135.65
HIP1R	62.66	chr12	12q24	55	125.86
PLA2G4D	62.65	chr15	15q15.1	22	109.01
Hs.476604	62.65	chr3	N/A	29	145.03
NSL1	62.64	chr1	1q41	58	188.32
GTF2IRD1	62.64	chr7	7q11.23	41	69.09
LOC284757	62.63	chr20	20q13.33	5	48.79
ACADSB	62.63	chr10	10q26.13	61	122.27
FADS2	62.63	chr11	11q12.2	48	98.73
PFKL	62.63	chr21	21q22.3	60	95.23
Hs.603804	62.62	chr14	N/A	2	18.42
MAPRE3	62.62	chr2	2p23.3-p23.1	62	126.89
Hs.710085	62.61	chr1	N/A	7	91.80
PAQR9	62.61	chr3	3q23	25	59.03
Hs.535106	62.59	chr15	N/A	8	8.48
CRTC3	62.58	chr15	15q26.1	43	160.62
Hs.659831	62.54	chr7	N/A	14	121.18
BRD3	62.51	chr9	9q34	85	98.77

CIR1	62.51	chr2	2q31.1	48	119.59
Hs.659462	62.49	chr8	N/A	3	79.97
Hs.668388	62.47	chr3	N/A	7	70.28
Hs.522291	62.46	chr9	N/A	1	0.00
ZNF117	62.45	chr7	7q11.21	64	149.24
SUMF1	62.44	chr3	3p26.1	30	54.42
Hs.582764	62.44	chr6	N/A	3	5.28
Hs.632369	62.44	chr1	N/A	1	0.00
SH3BP5L	62.44	chr1	1q44	26	88.43
ADCY5	62.44	chr3	3q21.1	36	187.02
WDR48	62.44	chr3	3p21.33	45	185.49
BTNL9	62.43	chr5	5q35.3	47	160.62
Hs.224794	62.42	chr5	N/A	14	109.18
ATXN2L	62.41	chr16	16p11	77	139.59
MIIP	62.40	chr1	1p36.22	36	117.63
CLVS2	62.38	chr6	6q22.31	9	158.14
NEUROG2	62.38	chr4	4q25	24	235.63
DPAGT1	62.37	chr11	11q23.3	33	123.01
ALG8	62.36	chr11	11q14.1	55	89.43
FAM212B	62.32	chr1	1p13.2	47	101.95
IP6K1	62.30	chr3	3p21.31	36	99.18
PIK3C3	62.29	chr18	18q12.3	52	149.16
ALOX5AP	62.29	chr13	13q12	47	110.93
DHX9	62.29	chr1	1q25	84	112.36
LGALS8	62.28	chr1	1q43	90	130.05
ELMSAN1	62.25	chr14	14q24.3	67	101.38
CNTNAP1	62.24	chr17	17q21	35	121.06
C7orf26	62.23	chr7	7p22.1	38	106.43
ERCC2	62.23	chr19	19q13.3	55	127.95
Hs.707273	62.21	chr12	N/A	12	86.28
Hs.599801	62.21	chr11	N/A	7	103.10
INMT	62.20	chr7	7p14.3	17	172.57
MED30	62.20	chr8	8q24.11	19	100.88
GRIN2C	62.16	chr17	17q25	48	372.03
CLPTM1L	62.15	chr5	5p15.33	45	131.92
COG3	62.13	chr13	13q14.13	78	153.46
ELP6	62.12	chr3	3p21.31	42	108.20
Hs.390542	62.12	chr15	N/A	3	17.89
IGF1	62.12	chr12	12q23.2	127	160.45
PARN	62.09	chr16	16p13	48	96.55
Hs.596475	62.09	chr5	N/A	13	70.46
PIK3C2A	62.09	chr11	11p15.5-p14	37	137.38
PTGER4	62.08	chr5	5p13.1	61	132.96
RGS12	62.08	chr4	4p16.3	120	334.01
FXYP3	62.08	chr19	19q13.12	65	170.06
MCM6	62.07	chr2	2q21	45	75.35
Hs.551253	62.02	chr7	N/A	3	9.78
Hs.659234	62.01	chr11	N/A	3	160.44
Hs.517557	62.01	chr22	N/A	3	2.75
NUP153	62.00	chr6	6p22.3	66	141.35
MAPK7	62.00	chr17	17p11.2	41	121.21
Hs.656715	62.00	chr6	N/A	3	17.21
Hs.147248	61.99	chr1	N/A	3	6.86
AMY2A	61.99	chr1	1p21	23	151.84
LOC100131582	61.97	chr16	16p13.3	2	73.13
LOC100127910	61.97	chr1	1q24.2	2	13.76
ARL5B-AS1	61.95	chr10	N/A	1	0.00
OR1N2	61.94	chr9	9q33.2	17	218.74
C12orf23	61.94	chr12	12q23.3	57	121.68
HDAC7	61.93	chr12	12q13.1	48	97.37
NIPSNAP3A	61.91	chr9	9q31.1	34	90.27
NUDT14	61.90	chr14	14q32.33	44	104.14
KATNAL1	61.90	chr13	13q12.3	57	85.47
Hs.660308	61.89	chr3	N/A	17	118.77
KIT	61.89	chr4	4q11-q12	66	208.14
INA	61.89	chr10	10q24.33	30	318.62

TDG	61.86	chr12	12q24.1	78	109.49
SAP30L	61.85	chr5	5q33.2	50	72.48
ARHGGEF12	61.85	chr11	11q23.3	88	172.02
ASNS	61.84	chr7	7q21.3	45	110.31
BYSL	61.84	chr6	6p21.1	30	64.49
Hs.634987	61.83	chr8	N/A	7	89.49
Hs.644915	61.83	chr5	N/A	5	119.54
SLC39A10	61.82	chr2	2q32.3	33	228.26
Hs.533401	61.82	chr7	N/A	2	39.02
TRIM69	61.82	chr15	15q21.1	54	78.37
COMP	61.80	chr19	19p13.1	51	95.75
TMEM42	61.79	chr3	3p21.31	31	85.92
Hs.731920	61.79	chr2	N/A	7	71.46
FUT8	61.78	chr14	14q24.3	48	117.84
KLF15	61.78	chr3	3q21.3	32	97.36
NOV	61.76	chr8	8q24.1	50	120.73
HLA-DQB2	61.75	chr6	6p21	28	113.96
Hs.295923	61.73	chr16	N/A	14	93.10
PATL1	61.72	chr11	11q12.1	36	116.61
JMJD1C	61.71	chr10	10q21.3	90	281.14
RBM23	61.71	chr14	14q11.2	58	137.93
IVD	61.71	chr15	15q14-q15	62	88.54
RNF139	61.71	chr8	8q24	30	64.62
Hs.660185	61.70	chr9	N/A	1	0.00
Hs.658218	61.70	chr2	N/A	8	74.31
Hs.603756	61.68	chrX	N/A	1	0.00
KMT2D	61.67	chr12	12q13.12	109	145.62
CNOT1	61.67	chr16	16q21	91	162.72
NSMCE2	61.65	chr8	8q24.13	47	88.21
KANK3	61.62	chr19	19p13.2	47	104.85
TGS1	61.61	chr8	8q11	39	177.67
Hs.601168	61.61	chr13	N/A	11	115.13
Hs.715039	61.60	chrX	N/A	10	80.24
Hs.661796	61.58	chr7	N/A	6	62.99
FAM134A	61.58	chr2	2q35	67	67.47
MPHOSPH8	61.58	chr13	13q12.11	74	66.85
PLAT	61.55	chr8	8p12	56	69.13
GRM4	61.54	chr6	6p21.3	23	182.61
AXL	61.54	chr19	19q13.1	47	93.57
SMEK1	61.53	chr14	14q32.12	57	160.97
DUSP13	61.52	chr10	10q22.2	37	83.34
DAPK2	61.51	chr15	15q22.31	32	58.57
ITPKC	61.49	chr19	19q13.1	42	72.69
ZC3H14	61.48	chr14	14q31.3	76	140.81
UBQLNL	61.48	chr11	11p15.4	21	279.01
TIMM44	61.47	chr19	19p13.3-p13.2	40	62.56
TLK2	61.45	chr17	17q23	61	155.78
ADAMTS4	61.45	chr1	1q21-q23	29	87.60
ITPA	61.44	chr20	20p	40	79.54
BAI3	61.43	chr6	6q12	50	350.97
Hs.731722	61.42	chr1	N/A	17	52.83
DNAJC9-AS1	61.41	chr10	10q22.2	1	0.00
ZEB2	61.41	chr2	2q22.3	85	143.95
Hs.659733	61.41	chr3	N/A	2	11.25
ANAPC4	61.41	chr4	4p15.2	25	50.24
TRRAP	61.40	chr7	7q21.2-q22.1	42	139.15
TMCO3	61.39	chr13	13q34	45	100.32
Hs.663102	61.38	chr3	N/A	14	87.58
PNMA5	61.38	chrX	Xq28	16	88.19
GLE1	61.37	chr9	9q34.11	44	137.62
Hs.708378	61.37	chr16	N/A	3	7.62
TCTEX1D2	61.36	chr3	3q29	20	92.63
PPHLN1	61.35	chr12	12q12	76	97.98
Hs.730119	61.33	chr12	N/A	14	76.28
MON1B	61.33	chr16	16q23.1	46	110.32
EEA1	61.32	chr12	12q22	53	174.25

Hs.592759	61.28	chr5	N/A	11	53.08
Hs.633338	61.25	chr7	N/A	8	78.16
TXNDC12	61.25	chr1	1p32.3	48	128.01
PDXXK	61.21	chr21	21q22.3	128	136.93
CCS	61.21	chr11	11q13	34	45.73
SLC6A7	61.20	chr5	5q32	25	269.51
NUP37	61.19	chr12	12q23.2	35	120.07
TRIB1	61.19	chr8	8q24.13	59	161.02
Hs.7572	61.17	chr1	N/A	12	44.31
Hs.656818	61.16	chr2	N/A	1	0.00
PORCN	61.15	chrX	Xp11.23	31	75.57
KRT83	61.14	chr12	12q13	23	212.37
Hs.371060	61.13	chr5	N/A	3	6.71
Hs.126932	61.13	chr17	N/A	8	121.04
Hs.594950	61.13	chr2	N/A	15	93.94
CDKN2C	61.11	chr1	1p32	41	94.50
Hs.544589	61.11	chr6	N/A	7	123.42
PTRH1	61.10	chr9	9q34.11	24	56.57
ALAS2	61.09	chrX	Xp11.21	68	170.01
AGK	61.09	chr7	7q34	39	118.34
ZFC3H1	61.09	chr12	12q21.1	55	191.88
CDC27	61.09	chr17	17q21.32	66	100.89
Hs.523097	61.08	chr10	N/A	7	71.23
SYT1	61.07	chr12	12cen-q21	50	223.03
ACPL2	61.07	chr3	3q23	30	69.90
POR	61.06	chr7	7q11.2	44	91.35
Hs.706564	61.06	chr2	N/A	7	72.09
ERGIC1	61.05	chr5	5q35.1	113	177.26
GPBP1L1	61.04	chr1	1p34.1	52	78.14
GPCPD1	61.04	chr20	20p12.3	74	76.05
Hs.650522	61.03	chr5	N/A	3	21.04
Hs.683607	61.01	chr5	N/A	8	169.15
DBT	61.01	chr1	1p31	100	187.32
POLI	61.01	chr18	18q21.1	36	159.85
Hs.668717	60.99	chr2	N/A	7	60.64
LPCAT3	60.99	chr12	12p13	35	103.08
ZNF140	60.97	chr12	12q24.33	36	274.16
AGPAT3	60.95	chr21	21q22.3	82	112.20
TP53BP1	60.95	chr15	15q15-q21	42	89.99
PPP1R12A	60.94	chr12	12q15-q21	69	190.80
TNPO3	60.94	chr7	7q32.1	42	100.04
C9orf24	60.92	chr9	9p13.3	33	97.24
DRAM1	60.92	chr12	12q23.2	48	211.72
ZW10	60.92	chr11	11q23.2	30	75.43
YIPF1	60.92	chr1	1p33-p32.1	36	76.42
CXCR4	60.91	chr2	2q21	64	139.90
ZRSR2	60.90	chrX	Xp22.1	40	58.66
FBXO34	60.90	chr14	14q22.3	49	80.45
YTHDC1	60.89	chr4	4q13.2	89	188.44
FAM107B	60.87	chr10	10p13	41	195.37
EXOC1	60.87	chr4	4q12	65	95.32
OR5W2	60.87	chr11	11q11	5	133.18
UBAP1	60.85	chr9	9p13.3	48	140.93
PCSK4	60.85	chr19	19p13.3	26	148.16
LOC100505519	60.84	chr6	N/A	8	61.05
SNX12	60.83	chrX	Xq13.1	38	117.01
TP53I13	60.80	chr17	17q11.2	29	96.20
POLG	60.80	chr15	15q25	30	76.06
NLGN2	60.80	chr17	17p13.1	28	67.80
SELO	60.80	chr22	22q13.33	40	110.48
APOL1	60.79	chr22	22q13.1	41	100.38
Hs.601080	60.79	chr6	N/A	7	79.60
RNF38	60.79	chr9	9p13	61	172.79
ZC3H6	60.78	chr2	2q13	67	134.78
SMG7	60.78	chr1	1q25	62	124.69
ACE2	60.77	chrX	Xp22	33	168.69

NPR3	60.76	chr5	5p14-p13	80	94.85
ME3	60.75	chr11	11cen-q22.3	61	96.10
ADAP1	60.75	chr7	7p22.3	31	172.11
TOP1	60.75	chr20	20q12-q13.1	46	173.11
LOC148413	60.74	chr1	1p36.33	26	156.34
RBP4	60.73	chr10	10q23-q24	42	103.41
DCHS1	60.73	chr11	11p15.4	47	162.37
TMSB4Y	60.72	chrY	Yq11.221	30	242.67
GFPT1	60.72	chr2	2p13	61	96.41
UTP6	60.71	chr17	17q11.2	22	55.37
CD37	60.71	chr19	19q13.3	40	169.43
Hs.576971	60.71	chr11	N/A	7	72.14
IRS2	60.68	chr13	13q34	79	120.26
LRTM1	60.67	chr3	3p14.3	40	461.62
DBNDD1	60.66	chr16	16q24.3	38	144.65
CCDC25	60.63	chr8	8p21.1	59	66.39
HCCS	60.63	chrX	Xp22.3	70	112.44
Hs.156574	60.61	chr8	N/A	3	25.65
Hs.663107	60.60	chr2	N/A	1	0.00
LPCAT4	60.58	chr15	15q14	44	151.90
FAM98A	60.57	chr2	2p22.3	49	97.70
Hs.714006	60.57	chrX	N/A	8	59.65
Hs.744967	60.55	chr1	N/A	5	60.38
ZNF730	60.54	chr19	19p12	25	61.17
Hs.733995	60.54	chr9	N/A	13	74.27
NCOA3	60.54	chr20	20q12	108	109.92
Hs.191602	60.54	chr2	N/A	10	61.81
Hs.321475	60.53	chr3	N/A	3	13.18
Hs.375468	60.53	chr20	N/A	21	72.37
PPARGC1B	60.53	chr5	5q32	39	91.72
FAM162B	60.53	chr6	6q22.1	23	120.56
Hs.595142	60.53	chr8	N/A	1	0.00
WDR61	60.52	chr15	15q25.1	49	132.09
EXOSC4	60.52	chr8	8q24.3	43	97.77
Hs.713711	60.50	chr13	N/A	7	170.52
RFC1	60.49	chr4	4p14-p13	83	229.44
GPR137	60.47	chr11	11cen-q22.3	45	187.19
NUDT1	60.47	chr7	7p22	33	74.26
ABLIM2	60.46	chr4	4p16.1	23	98.13
PQLC3	60.46	chr2	2p25.1	39	85.22
DHRS7B	60.46	chr17	17p12	55	69.11
MYO1B	60.45	chr2	2q12-q34	102	258.56
Hs.735127	60.45	chr5	N/A	5	93.06
UBQLN4	60.44	chr1	1q21	32	171.46
CCL4L1	60.43	chr17	17q12	18	246.22
IKBKAP	60.42	chr9	9q31	45	104.39
Hs.15671	60.42	chr1	N/A	1	0.00
RPS6KB2	60.41	chr11	11q13.2	33	150.48
USP34	60.40	chr2	2p15	126	225.81
FXN	60.38	chr9	9q21.11	36	92.91
Hs.665664	60.37	chr8	N/A	1	0.00
Hs.658986	60.36	chr16	N/A	8	75.63
TFPT	60.34	chr19	19q13	25	69.59
ZC3H3	60.33	chr8	8q24.3	24	148.40
Hs.705638	60.32	chr5	N/A	7	69.92
RPUSD3	60.31	chr3	3p25.3	34	104.04
C8orf4	60.29	chr8	8p11.2	33	64.32
NFS1	60.29	chr20	20q11.22	59	74.99
CYP4V2	60.28	chr4	4q35.2	70	126.59
PTK2	60.27	chr8	8q24.3	129	233.37
ELK1	60.27	chrX	Xp11.2	35	87.59
Hs.628555	60.23	chr4	N/A	7	129.06
CCDC59	60.22	chr12	12q21.31	39	63.20
BUB3	60.20	chr10	10q26	80	142.16
Hs.592722	60.19	chr16	N/A	1	0.00
TPGS2	60.19	chr18	18q12.2	69	67.99

Hs.655482	60.19	chr4	N/A	8	160.67
Hs.720248	60.19	chr11	N/A	8	52.90
ALDH5A1	60.18	chr6	6p22	72	128.44
Hs.661610	60.16	chr17	N/A	4	65.94
WDR74	60.16	chr11	11q12.3	51	62.34
LEMD2	60.15	chr6	6p21.31	33	103.57
IRF3	60.15	chr19	19q13.3-q13.4	30	72.10
ALPL	60.15	chr1	1p36.12	39	156.60
Hs.532610	60.15	chr14	N/A	1	0.00
NEURL2	60.14	chr20	20q13.12	15	44.94
TCOF1	60.14	chr5	5q32	59	112.63
IGLL1	60.14	chr22	22q11.23	51	286.41
HDAC4	60.13	chr2	2q37.3	59	100.35
Hs.241431	60.12	chr16	N/A	7	80.62
RAB31	60.12	chr18	18p11.3	86	106.80
ANKHD1	60.10	chr5	5q31.3	124	74.93
Hs.597168	60.08	chr10	N/A	2	1.09
LOC728734	60.08	chr16	16p11.2	12	121.59
Hs.368518	60.08	chr18	N/A	26	206.35
CHCHD6	60.07	chr3	3q21.3	28	113.05
RANBP6	60.04	chr9	9p24.1	33	145.42
ACOT7	60.03	chr1	1p36	56	122.59
MIER2	60.02	chr19	19p13.3	48	112.93
RBBP6	60.02	chr16	16p12.2	123	169.70
KPNA1	60.02	chr3	3q21	83	122.76
UGT2B4	60.02	chr4	4q13	50	104.74
Hs.732400	60.01	chr4	N/A	8	108.17
VPS45	60.01	chr1	1q21.2	59	103.35
BCL2L1	60.01	chr20	20q11.21	74	247.83
ANKIB1	60.00	chr7	7q21.2	49	209.19
SPTLC1	60.00	chr9	9q22.2	66	129.22
HES1	60.00	chr3	3q28-q29	67	113.91
MEIS1	60.00	chr2	2p14	48	98.31
NUP214	59.99	chr9	9q34.1	52	109.59
OR52E6	59.99	chr11	11p15.4	6	66.66
SCAF8	59.99	chr6	6q25.1-q25.3	47	70.18
AAAS	59.98	chr12	12q13	28	62.15
BDH1	59.98	chr3	3q29	51	92.10
TVP23B	59.96	chr17	17p11.2	37	82.48
EIF2AK4	59.95	chr15	15q15.1	23	44.63
DHRS9	59.94	chr2	2q31.1	42	129.80
DGAT1	59.94	chr8	8q24.3	35	88.52
APLNR	59.94	chr11	11q12	30	112.98
DPH2	59.94	chr1	1p34	39	100.40
COL16A1	59.93	chr1	1p35-p34	49	71.96
Hs.620774	59.92	chr9	N/A	3	10.95
ALYREF	59.92	chr17	17q25.3	36	81.84
SPACA5	59.92	chrX	Xp11.23	2	1.28
HSD17B7	59.91	chr1	1q23	48	220.26
NAA30	59.90	chr14	14q22.3	77	166.86
Hs.594199	59.89	chr6	N/A	8	120.47
C1orf148	59.89	chr1	1q42.13	8	142.03
MTFP1	59.89	chr22	22q	32	113.26
AFTPH	59.88	chr2	2p14	55	110.86
Hs.713772	59.87	chr10	N/A	7	53.55
ZNF415	59.87	chr19	19q13.42	30	121.54
OCRL	59.87	chrX	Xq25	65	99.77
Hs.662845	59.87	chr4	N/A	1	0.00
SNRPA	59.86	chr19	19q13.1	72	90.15
TMEM138	59.85	chr11	11q12.2	38	152.60
NASP	59.84	chr1	1p34.1	71	115.67
Hs.745306	59.82	chr17	N/A	10	51.61
LOC728323	59.79	chr2	2q37.3	10	24.57
UBAC2	59.79	chr13	13q32.3	36	72.95
Hs.744748	59.77	chr17	N/A	11	93.02
STAMBP	59.76	chr2	2p13.1	47	104.55

APPBP2	59.75	chr17	17q23.2	71	173.73
UNC45A	59.75	chr15	15q26.1	57	98.77
DHX40	59.75	chr17	17q23.1	60	117.18
WFDC6	59.74	chr20	20q13.12	23	276.15
PRAC	59.73	chr17	17q21	40	163.17
CCAR1	59.72	chr10	10q21.3	22	76.52
YARS2	59.71	chr12	12p11.21	35	91.12
RFNG	59.69	chr17	17q25	46	145.48
Hs.378808	59.69	chr3	N/A	14	114.07
CACNG4	59.69	chr17	17q24	50	291.53
HIVEP2	59.69	chr6	6q23-q24	36	93.04
Hs.732081	59.69	chr5	N/A	8	70.56
PGP	59.68	chr16	16p13.3	23	194.76
GPRC5C	59.66	chr17	17q25	68	113.29
APIP	59.61	chr11	11p13	42	96.83
ATXN1L	59.61	chr16	16q22.2	24	80.63
ADAM10	59.61	chr15	15q22	43	208.02
NLRP8	59.60	chr19	19q13.43	17	184.82
AURKB	59.60	chr17	17p13.1	41	163.01
Hs.715129	59.60	chr1	N/A	7	67.45
NBEAL2	59.58	chr3	3p21.31	40	231.04
Hs.730983	59.58	chr9	N/A	1	0.00
BAP1	59.56	chr3	3p21.31-p21.2	48	77.50
SH3BGRL	59.56	chrX	Xq13.3	43	110.63
Hs.600961	59.54	chr12	N/A	7	93.24
TMEM14A	59.54	chr6	6p12.2	21	68.77
SREK1	59.51	chr5	5q12.3	67	169.29
ARNT	59.49	chr1	1q21	93	139.86
SEPT10	59.49	chr2	2q13	44	118.01
Hs.741895	59.49	chr11	N/A	7	124.02
ORMDL2	59.48	chr12	12q13.2	29	111.39
SMCR7L	59.48	chr22	22q13	61	83.24
Hs.435263	59.48	chr13	N/A	3	7.64
KCNMB4	59.47	chr12	12q	68	145.45
GOLIM4	59.46	chr3	3q26.2	43	90.80
Hs.450930	59.44	chr13	N/A	1	0.00
CEBPG	59.44	chr19	19q13.11	31	84.66
OR1J2	59.38	chr9	9q34.11	10	169.73
MYL1	59.38	chr2	2q33-q34	43	298.46
ABCE1	59.37	chr4	4q31	58	114.64
NUP35	59.37	chr2	2q32.1	36	144.41
STX18	59.36	chr4	4p16.3-p16.2	31	69.92
TATDN1	59.36	chr8	8q24.13	39	71.53
IGIP	59.35	chr5	5q31	32	72.65
Hs.744441	59.33	chr1	N/A	3	15.02
EBAG9	59.32	chr8	8q23	29	98.02
CORO1A	59.31	chr16	16p11.2	30	133.24
Hs.598015	59.31	chr1	N/A	17	163.73
GNL3L	59.29	chrX	Xp11.22	56	146.06
GNAI3	59.29	chr1	1p13	40	167.55
TRIM24	59.29	chr7	7q32-q34	51	109.49
SUCO	59.28	chr1	1q24	33	89.37
TRIM6	59.28	chr11	11p15.4	81	333.86
PHLDA3	59.26	chr1	1q31	28	73.39
GPHN	59.26	chr14	14q23.3	49	195.95
RRP8	59.26	chr11	11p15.4	37	88.46
LINC00467	59.26	chr1	1q32.3	15	43.66
Hs.708181	59.25	chr6	N/A	7	58.24
CCNK	59.25	chr14	14q32	46	196.16
Hs.595215	59.24	chr12	N/A	7	163.67
CA1	59.24	chr8	8q21.2	49	254.26
Hs.710429	59.23	chr7	N/A	11	102.08
TRMT1L	59.23	chr1	1q25.2	66	130.47
STAT1	59.22	chr2	2q32.2	117	146.97
MINA	59.15	chr3	3q11.2	65	190.18
Hs.599887	59.15	chr9	N/A	7	83.44

Hs.586567	59.14	chr1	N/A	8	95.92
LARP4B	59.14	chr10	10p15.3	59	102.56
FBXO42	59.12	chr1	1p36.23-p36.11	43	135.75
FBXO11	59.12	chr2	2p16.3	76	153.90
TRMT61B	59.12	chr2	2p23.2	35	113.42
PPM1F	59.12	chr22	22q11.22	59	109.10
C5orf45	59.11	chr5	5q35.3	31	57.98
GOLGA2	59.10	chr9	9q34.11	68	94.62
CSTF3	59.10	chr11	11p13	60	106.92
LMO2	59.10	chr11	11p13	142	47.35
THRAP3	59.09	chr1	1p34.3	52	124.06
YME1L1	59.09	chr10	10p14	264	158.06
DZIP1	59.08	chr13	13q32.1	50	442.70
Hs.444770	59.08	chrX	N/A	5	36.99
SNX33	59.07	chr15	15q24.2	28	188.76
VMA21	59.07	chrX	Xq28	42	119.91
OXSM	59.07	chr3	3p24.2	28	61.73
Hs.720895	59.07	chr10	N/A	3	12.06
TSC2	59.07	chr16	16p13.3	46	195.97
RAB11FIP1	59.05	chr8	8p11.22	61	170.88
Hs.744170	59.02	chr3	N/A	10	26.15
ARAP3	59.01	chr5	5q31.3	40	113.25
DCP1A	59.01	chr3	3p21.1	67	100.31
USP25	59.00	chr21	21q11.2	63	111.27
FERMT3	58.97	chr11	11q13.1	31	158.89
ACOT11	58.96	chr1	1p32.3	63	134.84
PTPLB	58.96	chr3	3q21.1	67	128.64
DET1	58.95	chr15	15q25.3	38	60.78
ATAD3A	58.94	chr1	1p36.33	22	58.41
RNF122	58.94	chr8	8p12	28	71.86
PREP	58.93	chr6	6q22	45	88.94
SOX7	58.93	chr8	8p22	50	152.70
FAM181A	58.92	chr14	14q32.12	21	141.59
Hs.662792	58.92	chr2	N/A	1	0.00
Hs.566279	58.91	chr5	N/A	3	6.88
Hs.709488	58.91	chr16	N/A	8	92.89
ARFGEF2	58.90	chr20	20q13.13	66	229.16
ALG11	58.89	chr13	13q14.2	49	140.04
Hs.671061	58.89	chr9	N/A	1	0.00
GTPBP3	58.84	chr19	19p13.11	28	127.57
RNF113A	58.84	chrX	Xq25-q26	30	64.37
NCK1	58.82	chr3	3q21	45	89.41
CRHBP	58.80	chr5	5q11.2-q13.3	47	191.43
CCDC177	58.79	chr14	14q24.1	31	99.96
VWA1	58.79	chr1	1p36.33	72	215.37
ABI1	58.79	chr10	10p11.2	54	154.96
JAZF1	58.78	chr7	7p15.2-p15.1	27	63.32
RAB35	58.77	chr12	12q24.31	57	93.50
IFT57	58.77	chr3	3q13.13	40	78.81
C20orf166	58.75	chr20	20q13.33	19	39.60
PLXND1	58.75	chr3	3q22.1	46	110.09
UBA5	58.74	chr3	3q22.1	36	67.55
PACS2	58.70	chr14	14q32.33	47	83.10
PCSK1N	58.69	chrX	Xp11.23	31	65.66
AHSA2	58.67	chr2	2p15	21	60.51
Hs.708443	58.66	chr1	N/A	7	77.34
RNF207	58.66	chr1	1p36.31	54	120.13
PROCR	58.65	chr20	20q11.2	30	56.74
Hs.734318	58.65	chr12	N/A	3	15.79
EMC9	58.64	chr14	14q11.2	35	62.02
Hs.633769	58.59	chr13	N/A	1	0.00
CHST13	58.57	chr3	3q21.3	32	127.93
POLR3E	58.57	chr16	16p12.2	38	72.68
GJD3	58.56	chr17	17q21.2	22	59.85
Hs.603184	58.55	chr3	N/A	7	125.00
SLC16A9	58.54	chr10	10q21.2	38	208.47

MARCH3	58.54	chr5	5q23.2	89	176.43
MAP3K10	58.53	chr19	19q13.2	38	124.02
SDC2	58.52	chr8	8q22-q23	35	83.34
MOCS1	58.51	chr6	6p21.3	50	143.50
MVK	58.50	chr12	12q24	64	162.89
Hs.624222	58.49	chrX	N/A	3	11.69
SAP30BP	58.48	chr17	17q25.1	39	93.69
Hs.578161	58.48	chr14	N/A	3	11.74
C10orf35	58.46	chr10	10q22.1	26	99.44
Hs.655477	58.45	chr4	N/A	1	0.00
HEPH	58.45	chrX	Xq11-q12	46	64.42
Hs.594905	58.42	chr15	N/A	15	91.00
Hs.595628	58.42	chr1	N/A	7	42.05
Hs.732254	58.41	chr1	N/A	1	0.00
Hs.201776	58.40	chr19	N/A	8	45.96
SNRNP35	58.40	chr12	12q24.31	31	78.68
TMEM41B	58.40	chr11	11p15.4	42	116.54
NARS2	58.39	chr11	11q14.1	35	73.39
Hs.720368	58.37	chr2	N/A	1	0.00
SLC35A5	58.36	chr3	3q13.2	26	100.73
Hs.534859	58.35	chr10	N/A	8	8.83
PODN	58.35	chr1	1p32.3	33	190.28
RBM7	58.33	chr11	11q23.1-q23.2	36	177.59
Hs.563634	58.32	chr9	N/A	10	91.39
Hs.701224	58.32	chr2	N/A	1	0.00
Hs.164409	58.31	chr3	N/A	3	12.80
ZNF292	58.30	chr6	6q14.3	83	263.14
Hs.313917	58.30	chr16	N/A	7	28.58
Hs.706512	58.29	chr7	N/A	7	97.77
ATP8A1	58.29	chr4	4p13	61	244.99
Hs.557481	58.28	chr12	N/A	3	16.12
C9orf64	58.28	chr9	9q21.32	22	165.88
CNNM3	58.28	chr2	2p12-p11.2	18	62.73
LINC00665	58.28	chr19	19q13.12	31	73.94
LPXN	58.27	chr11	11q12.1	31	86.41
VIPAS39	58.27	chr14	14q24.3-q31	36	77.17
GABBR1	58.26	chr6	6p21.31	50	131.21
SPRYD7	58.26	chr13	13q14	49	90.57
GOLGA5	58.26	chr14	14q32.12	21	46.34
SNX19	58.24	chr11	11q25	68	205.81
Hs.731651	58.22	chr2	N/A	1	0.00
CCDC167	58.22	chr6	6p21.2	21	72.12
NUP98	58.20	chr11	11p15.5	83	108.19
C5orf56	58.19	chr5	5q31.1	21	74.70
CBFA2T2	58.16	chr20	20q11	69	243.17
FAIM3	58.16	chr1	1q32.1	44	178.81
DLX3	58.15	chr17	17q21	30	134.61
ZSWIM4	58.15	chr19	19p13.13	9	86.46
RNF145	58.13	chr5	5q33.3	45	103.98
AIF1	58.12	chr6	6p21.3	58	93.34
PRKCH	58.10	chr14	14q23.1	55	92.57
DAXX	58.09	chr6	6p21.3	42	64.38
INF2	58.08	chr14	14q32.33	68	175.37
SDAD1	58.08	chr4	4q21.1	43	120.14
GOLGA1	58.06	chr9	9q33.3	52	79.56
Hs.670239	58.05	chr19	N/A	5	69.13
RPAP1	58.05	chr15	15q15.1	28	54.38
COL5A1	58.01	chr9	9q34.2-q34.3	48	116.40
ARHGAP10	58.00	chr4	4q31.23	47	111.25
TAF1C	58.00	chr16	16q24	58	126.77
Hs.583274	57.99	chr7	N/A	3	15.90
OBSL1	57.98	chr2	2q35	94	91.09
CECR7	57.98	chr22	22q11.1	11	97.53
Hs.742206	57.98	chr3	N/A	8	86.99
MCM3AP	57.97	chr21	21q22.3	46	95.24
RAB14	57.97	chr9	9q32-q34.11	74	118.93

RASAL3	57.96	chr19	19p13.12	18	84.74
EIF2AK2	57.96	chr2	2p22-p21	55	128.05
LINC00921	57.94	chr16	16p13.3	11	63.42
KIDINS220	57.93	chr2	2p24	68	114.61
ROBO4	57.93	chr11	11q24.2	41	41.56
Hs.729481	57.93	chrX	N/A	1	0.00
Hs.674410	57.92	chr1	N/A	1	0.00
FXYD7	57.90	chr19	19q13.12	21	157.90
Hs.709922	57.90	chr10	N/A	7	54.66
RBM14	57.88	chr11	11q13.2	71	148.40
DEFB118	57.87	chr20	20q11.21	19	204.39
BCCIP	57.86	chr10	10q26.1	65	100.11
FLNB	57.86	chr3	3p14.3	54	118.31
TRAFD1	57.86	chr12	12q	37	97.54
TOMM34	57.85	chr20	N/A	48	137.82
VOPP1	57.85	chr7	7p11.2	33	53.51
BLOC1S4	57.85	chr4	4p16.1	19	73.14
SLAIN2	57.84	chr4	4p11	70	133.16
TMF1	57.83	chr3	3p21-p12	57	173.65
PRPF40B	57.82	chr12	12q	25	91.62
MIS12	57.81	chr17	17p13.2	35	89.99
JAG1	57.81	chr20	20p12.1-p11.23	55	118.19
ZNF184	57.80	chr6	6p21.3	35	256.91
FAM102A	57.78	chr9	9q34.11	54	103.92
INHBC	57.78	chr12	12q13.1	45	92.15
Hs.656216	57.77	chr10	N/A	1	0.00
Hs.211724	57.75	chr3	N/A	3	2.31
CACFD1	57.74	chr9	9q34	26	73.27
ANKRD17	57.74	chr4	4q13.3	114	92.89
CIB2	57.74	chr15	15q24	49	81.02
Hs.196122	57.72	chr22	N/A	3	3.19
BHLHE41	57.72	chr12	12p12.1	45	81.76
NKIRAS2	57.71	chr17	17q21.2	49	102.23
LOC100287869	57.71	chr6	6p12.2	30	77.73
ZNF680	57.71	chr7	7q11.21	59	146.64
DPY19L2	57.71	chr12	12q14.2	94	162.26
PRRT1	57.68	chr6	6p21.32	14	71.91
MAZ	57.68	chr16	16p11.2	63	232.19
Hs.595874	57.68	chr15	N/A	14	180.66
CHERP	57.67	chr19	19p13.1	45	51.57
Hs.715088	57.67	chr22	N/A	14	73.02
KIAA1033	57.66	chr12	12q24.11	74	139.03
PIP5K1B	57.65	chr9	9q13	49	80.01
Hs.517520	57.65	chr22	N/A	3	16.53
HIST1H2AK	57.65	chr6	6p22.1	34	117.60
RFK	57.64	chr9	9q21.13	48	64.86
NKX3-1	57.63	chr8	8p21.2	54	209.43
THSD4	57.63	chr15	15q23	51	162.45
AKAP8	57.63	chr19	19p13.1	36	66.89
Hs.669803	57.60	chr16	N/A	2	128.77
KREMEN1	57.60	chr22	22q12.1	51	105.88
CXCL3	57.57	chr4	4q21	40	325.93
RAD17	57.56	chr5	5q13	62	97.14
Hs.735929	57.53	chr7	N/A	1	0.00
PDPR	57.53	chr16	16q22.1	47	130.25
CREB3	57.53	chr9	9p13.3	28	100.30
C1orf226	57.53	chr1	1q23.3	27	114.32
SNN	57.53	chr16	16p13	57	120.81
Hs.545422	57.53	chr8	N/A	3	14.71
SKIV2L	57.52	chr6	6p21	30	105.85
Hs.388622	57.51	chr12	N/A	7	39.42
Hs.706380	57.50	chr20	N/A	7	53.32
TMEM65	57.50	chr8	8q24.13	27	111.31
NUS1	57.50	chr6	6q22.1	75	107.46
OR2W5	57.50	chr1	1q44	3	6.24
HIST1H1D	57.49	chr6	6p21.3	23	98.87

C20orf194	57.46	chr20	20p13	40	94.49
BCL6B	57.45	chr17	17p13.1	46	155.70
UBXN2B	57.45	chr8	8q12.1	36	183.20
KIAA0319L	57.45	chr1	1p34.2	69	133.29
ENGASE	57.44	chr17	17q25.3	49	162.67
TMEM201	57.44	chr1	1p36.22	23	165.26
GRIA2	57.44	chr4	4q32.1	74	623.39
Hs.593740	57.43	chr12	N/A	18	42.31
GOLGA6L1	57.42	chr15	15q11.2	2	113.25
KRTAP12-3	57.42	chr21	21q22.3	6	94.35
PWP2	57.41	chr21	21q22.3	32	132.53
TNKS1BP1	57.41	chr11	11q12.1	30	160.34
PYROXD1	57.41	chr12	12p12.1	70	152.28
BAHD1	57.40	chr15	15q15.1	28	82.24
ANKRD65	57.40	chr1	1p36.33	23	97.75
FIP1L1	57.40	chr4	4q12	63	116.88
C2orf49	57.40	chr2	2q12.1	40	237.73
Hs.657793	57.39	chr22	N/A	7	50.95
ZCWPW1	57.39	chr7	7q22.1	29	110.16
SERF1A	57.36	chr5	5q13	20	91.65
Hs.633379	57.35	chr1	N/A	1	0.00
Hs.647210	57.35	chr11	N/A	22	106.62
TRNP1	57.35	chr1	1p36.11	38	88.30
Hs.586834	57.35	chr14	N/A	17	68.78
ZFAND2B	57.35	chr2	2q35	50	75.50
C17orf97	57.34	chr17	17p13.3	17	113.97
TMEM17	57.32	chr2	2p15	37	273.85
BLMH	57.31	chr17	17q11.2	42	73.22
SNAP23	57.30	chr15	15q14	53	165.46
ARV1	57.30	chr1	1q42.2	50	85.29
CCPG1	57.30	chr15	15q21.1	173	127.53
ANKRD40	57.29	chr17	17q21.33	35	223.52
Hs.460921	57.28	chr1	N/A	5	129.37
Hs.657074	57.28	chr7	N/A	24	144.25
HN1	57.28	chr17	17q25.1	43	194.27
IGF2-AS	57.28	chr11	11p15.5	21	109.91
Hs.670518	57.28	chr5	N/A	1	0.00
PILRB	57.27	chr7	7q22.1	45	90.47
LOC100507303	57.27	chr16	N/A	18	47.84
CTDSPL	57.24	chr3	3p21.3	81	169.39
PZP	57.21	chr12	12p13-p12.2	30	99.30
PTPRCAP	57.21	chr11	11q13.3	30	145.03
SIRT1	57.19	chr10	10q21.3	27	108.46
LYZ	57.19	chr12	12q15	36	125.67
GSDMC	57.19	chr8	8q24.21	19	249.67
FADD	57.18	chr11	11q13.3	40	70.54
Hs.656844	57.18	chr5	N/A	3	80.10
CCDC91	57.18	chr12	12p11.22	56	77.19
LRBA	57.17	chr4	4q31.3	38	65.68
DAPP1	57.16	chr4	4q25-q27	38	261.88
C1orf52	57.16	chr1	1p22.3	37	118.40
Hs.130312	57.15	chr2	N/A	7	102.60
LOC100287290	57.14	chr3	3q25.32	10	98.41
TRIM68	57.14	chr11	11p15.4	23	79.84
BIVM	57.13	chr13	13q33.1	47	101.35
MGAT4B	57.12	chr5	5q35	34	107.22
HOOK3	57.12	chr8	8p11.21	85	511.16
Hs.732232	57.11	chr13	N/A	1	0.00
SLC15A2	57.09	chr3	3q13.33	57	299.50
MSANTD3	57.09	chr9	9q31.1	37	62.05
OR2D2	57.08	chr11	11p15.4	8	166.60
LOC283177	57.07	chr11	11q25	12	51.63
OIT3	57.06	chr10	10q22.1	28	175.11
HIST1H2BD	57.05	chr6	6p21.3	63	106.89
Hs.720542	57.04	chr11	N/A	8	7.54
NAGS	57.02	chr17	17q21.31	46	142.53

PTPRK	57.01	chr6	6q22.2-q22.3	45	98.23
ISY1	57.00	chr3	3q21.3	53	90.51
TTC32	56.99	chr2	2p24.1	29	56.97
KDM5A	56.98	chr12	12p11	74	93.92
LCP1	56.96	chr13	13q14.3	40	136.95
SNORA33	56.96	chr6	6q23.2	3	7.33
TCEA2	56.96	chr20	20q13.33	52	126.70
ZBTB7A	56.95	chr19	19p13.3	73	175.17
ZFAND1	56.95	chr8	8q21.13	31	79.31
SIPA1	56.95	chr11	11q13	33	84.09
GXYLT2	56.94	chr3	3p13	6	122.16
C2orf74	56.93	chr2	2p15	13	85.79
Hs.116870	56.92	chr10	N/A	3	8.93
AQP2	56.92	chr12	12q12-q13	63	181.54
Hs.446623	56.91	chr19	N/A	5	100.02
SCN5A	56.90	chr3	3p21	39	130.95
RCC2	56.88	chr1	1p36.13	65	119.22
NCLN	56.87	chr19	19p13.3	37	134.04
STK36	56.87	chr2	2q35	30	144.89
TRADD	56.86	chr16	16q22	47	96.60
Hs.506258	56.86	chr3	N/A	21	95.88
ALPP	56.84	chr2	2q37	26	162.51
PHF3	56.83	chr6	6q12	67	131.58
Hs.539054	56.83	chr11	N/A	3	16.99
MARC1	56.83	chr1	1q41	28	122.82
TNFAIP6	56.83	chr2	2q23.3	51	305.09
SOX15	56.82	chr17	17p12.3	33	148.40
PTPRB	56.82	chr12	12q15-q21	72	136.55
Hs.663018	56.82	chr8	N/A	1	0.00
Hs.733292	56.81	chr3	N/A	4	54.08
Hs.552347	56.80	chr11	N/A	3	15.61
Hs.597671	56.80	chr5	N/A	7	45.14
Hs.707702	56.80	chr1	N/A	3	2.39
SERPINI1	56.79	chr3	3q26.1	33	221.90
HAGHL	56.78	chr16	16p13.3	32	133.07
NVL	56.77	chr1	1q41-q42.2	40	90.98
Hs.537682	56.76	chr1	N/A	3	14.73
ZNF664	56.76	chr12	12q24.31	83	155.81
Hs.658590	56.76	chr3	N/A	4	87.47
ZNF512B	56.75	chr20	20q13.33	40	113.32
VARS	56.75	chr6	6p21.3	59	147.92
LUZP1	56.75	chr1	1p36	60	173.45
SNUPN	56.72	chr15	15q24.2	43	75.90
EMILIN3	56.70	chr20	20q12	26	91.60
SMR3A	56.69	chr4	4q13.3	27	191.30
RPE	56.68	chr2	2q32-q33.3	52	180.03
OR2T10	56.68	chr1	1q44	8	167.08
Hs.626328	56.68	chr2	N/A	3	15.30
PDSS2	56.67	chr6	6q21	38	138.34
TPP2	56.67	chr13	13q32-q33	48	77.62
WDR90	56.64	chr16	16p13.3	73	157.65
NEK3	56.63	chr13	13q14.13	63	206.02
BTN2A1	56.63	chr6	6p22.1	59	102.25
Hs.655976	56.62	chr6	N/A	15	77.48
TTC33	56.62	chr5	5p13.1	44	157.11
INO80E	56.61	chr16	16p11.2	26	98.09
Hs.644961	56.58	chr3	N/A	7	61.65
Hs.619028	56.58	chr7	N/A	10	19.75
TICAM1	56.57	chr19	19p13.3	39	98.56
PLEKHB2	56.57	chr2	2q21.1	71	95.95
OOEP	56.57	chr6	6q13	14	85.53
ITSN2	56.57	chr2	2pter-p25.1	104	212.38
RAE1	56.56	chr20	20q13.31	62	90.49
Hs.635289	56.54	chr21	N/A	7	67.49
Hs.592035	56.54	chr16	N/A	7	74.39
Hs.127054	56.52	chr8	N/A	7	54.53

MTMR3	56.51	chr22	22q12.2	57	144.16
BMP5	56.51	chr6	6p12.1	37	200.19
KDM5C	56.51	chrX	Xp11.22-p11.21	31	142.76
Hs.657911	56.51	chr8	N/A	1	0.00
KLHL12	56.51	chr1	1q32.1	52	109.31
GNL1	56.51	chr6	6p21.3	61	112.95
HRAS	56.50	chr11	11p15.5	53	54.63
EBPL	56.49	chr13	13q12-q13	39	96.53
SRRM3	56.49	chr7	7q11.23	34	138.34
UTP3	56.49	chr4	4q13.3	35	71.37
ARRB2	56.49	chr17	17p13	33	87.22
Hs.99405	56.47	chr2	N/A	8	58.38
ZNF419	56.46	chr19	19q13.43	42	137.44
ABCC10	56.46	chr6	6p21.1	39	91.22
RNASE4	56.45	chr14	14q11	17	33.54
PPIH	56.44	chr1	1p34.1	34	102.12
C19orf66	56.44	chr19	19p13.2	44	71.72
SEC61A2	56.44	chr10	10p14	60	205.64
Hs.660616	56.44	chr19	N/A	3	73.39
ARL6IP6	56.44	chr2	2q23.3	70	194.48
ZNF513	56.44	chr2	2p23.3	31	255.20
MYOF	56.43	chr10	10q24	73	75.59
FBXL12	56.41	chr19	19p13.2	46	92.09
SPON1	56.40	chr11	11p15.2	67	161.26
LOC101060027	56.40	chr21	N/A	1	0.00
CCM2	56.40	chr7	7p13	60	186.09
Hs.744984	56.39	chr11	N/A	33	145.63
OR9K2	56.38	chr12	12q13.2	5	131.99
LOC255167	56.38	chr5	5p15.31	1	0.00
SNORD13	56.37	chr8	8p12	3	12.16
Hs.725482	56.37	chr6	N/A	7	112.64
NHLH2	56.36	chr1	1p12-p11	40	228.70
KDM3A	56.36	chr2	2p11.2	64	91.66
PDCD4	56.36	chr10	10q24	65	105.92
AACS	56.35	chr12	12q24.31	28	49.95
TM7SF3	56.33	chr12	12q11-q12	42	59.63
LOC729852	56.32	chr7	7p21.3	8	52.34
Hs.595360	56.32	chr10	N/A	3	12.02
PGAP3	56.31	chr17	17q12	43	141.48
PVRL2	56.30	chr19	19q13.2	48	103.80
HAL	56.30	chr12	12q22-q24.1	53	252.60
Hs.708386	56.30	chr9	N/A	10	36.52
Hs.715694	56.30	chr2	N/A	11	153.89
Hs.134830	56.29	chr3	N/A	7	79.21
OBFC1	56.28	chr10	10q24.33	49	86.25
TFAM	56.27	chr10	10q21	58	136.75
FAM122A	56.26	chr9	9q21.11	44	74.39
TMOD4	56.25	chr1	1q12	19	214.46
MEF2BNC	56.25	chr19	19p13.11	59	111.29
GOLGA8I	56.24	chr15	15q11.2	11	50.66
Hs.435132	56.23	chr4	N/A	1	0.00
Hs.594935	56.23	chr7	N/A	8	189.65
Hs.665807	56.23	chr9	N/A	3	3.35
CLOCK	56.22	chr4	4q12	54	118.62
BAG5	56.22	chr14	14q32.33	65	132.38
ACTR6	56.21	chr12	12q23.1	36	70.27
STRADA	56.21	chr17	17q23.3	47	121.05
Hs.713130	56.20	chr12	N/A	1	0.00
PLA2G6	56.20	chr22	22q13.1	42	90.50
Hs.734165	56.19	chr3	N/A	7	98.10
ZFX	56.19	chrX	Xp21.3	75	182.97
PDGFD	56.18	chr11	11q22.3	55	138.91
Hs.714491	56.17	chr5	N/A	7	86.86
Hs.321176	56.16	chr5	N/A	4	29.67
COL4A3BP	56.15	chr5	5q13.3	61	69.01
LRSAM1	56.15	chr9	9q33.3	37	150.05

APT X	56.14	chr9	9p13.3	53	76.26
FAM78A	56.13	chr9	9q34	35	96.68
Hs.537779	56.13	chr1	N/A	3	30.60
RPP38	56.12	chr10	10p13	31	50.38
SIN3A	56.12	chr15	15q24.2	46	117.90
Hs.668675	56.12	chr11	N/A	1	0.00
UMOD	56.11	chr16	16p12.3	40	296.36
PET117	56.10	chr20	20p11.23	17	71.04
REV3L	56.09	chr6	6q21	38	119.08
RWDD4	56.09	chr4	4q35.1	38	94.90
RASGRP2	56.08	chr11	11q13	53	78.97
Hs.579479	56.07	chr18	N/A	3	20.84
PEAK1	56.07	chr15	15q24.3	63	152.28
MBD2	56.07	chr18	18q21	74	125.63
RBM15	56.06	chr1	1p13	35	162.07
Hs.599643	56.05	chr7	N/A	7	81.28
SNCG	56.04	chr10	10q23.2-q23.3	49	235.54
Hs.595415	56.04	chr9	N/A	7	64.91
PPP2R2B	56.04	chr5	5q32	57	156.12
ZMIZ2	56.03	chr7	7p13	99	118.67
Hs.665432	56.03	chr2	N/A	1	0.00
ALKBH1	56.02	chr14	14q24.3	51	134.65
TAF11	56.02	chr6	6p21.31	36	94.52
Hs.736404	56.01	chr18	N/A	10	67.77
Hs.350952	56.01	chrX	N/A	14	39.50
Hs.679791	56.00	chr6	N/A	1	0.00
ENOSF1	56.00	chr18	18p11.32	57	148.19
MSANTD4	56.00	chr11	11q22	20	68.22
Hs.564103	55.98	chr10	N/A	3	23.55
Hs.649013	55.98	chr3	N/A	3	12.67
Hs.126963	55.96	chr16	N/A	18	271.62
Hs.662955	55.96	chr12	N/A	1	0.00
ZNF497	55.94	chr19	19q13.43	17	217.22
MEOX1	55.94	chr17	17q21	36	109.54
DPF3	55.90	chr14	14q24.2	70	94.48
IL6ST	55.89	chr5	5q11.2	93	172.24
LHFPL2	55.89	chr5	5q14.1	38	67.99
LOC101059921	55.89	chr7	N/A	1	0.00
RCBTB1	55.88	chr13	13q14	51	132.95
Hs.573253	55.87	chr6	N/A	3	13.47
ZDHH3	55.87	chr3	3p21.31	57	81.80
ARPC4	55.87	chr3	3p25.3	71	126.93
GAL3ST1	55.86	chr22	22q12.2	28	195.83
Hs.708603	55.86	chr9	N/A	7	37.65
HIST1H3B	55.85	chr6	6p22.1	31	136.51
LRRC42	55.84	chr1	1p33-p32.1	40	108.91
Hs.370299	55.84	chr14	N/A	7	58.10
MAPKAPK5	55.84	chr12	12q24.13	44	80.41
LRP5	55.83	chr11	11q13.4	41	198.22
Hs.658688	55.83	chr3	N/A	17	125.17
UGT1A1	55.83	chr2	2q37	118	353.24
TMEM30A	55.82	chr6	6q14.1	33	99.96
SLC6A13	55.81	chr12	12p13.3	55	159.66
FIGF	55.80	chrX	Xp22.31	30	51.52
CASP4	55.79	chr11	11q22.2-q22.3	62	92.92
MCOLN1	55.79	chr19	19p13.2	21	102.75
ZMAT1	55.78	chrX	Xq21	44	377.32
MMP28	55.77	chr17	17q21.1	51	134.07
RPS6KL1	55.76	chr14	14q24.3	42	165.51
Hs.535075	55.76	chr9	N/A	8	94.72
B3GALT4	55.76	chr6	6p21.3	38	60.53
PQBP1	55.76	chrX	Xp11.23	48	64.74
DLL1	55.76	chr6	6q27	34	100.46
GMEB2	55.75	chr20	20q13.33	33	112.19
Hs.593503	55.74	chr2	N/A	7	77.07
TRIP4	55.74	chr15	15q22.31	51	67.19

ALS2	55.74	chr2	2q33.1	62	124.58
Hs.602717	55.72	chr22	N/A	3	71.38
APBB3	55.72	chr5	5q31	34	75.59
WASL	55.71	chr7	7q31.3	56	157.61
NTN1	55.71	chr17	17p13-p12	39	115.22
Hs.594320	55.71	chr2	N/A	3	5.73
TTC38	55.70	chr22	22q13	50	94.54
Hs.595598	55.70	chr17	N/A	5	40.16
SEPHS1	55.70	chr10	10p14	81	94.40
DDIT3	55.69	chr12	12q13.1-q13.2	32	87.98
SMARCD1	55.68	chr12	12q13-q14	50	145.53
TP53BP2	55.66	chr1	1q41	42	138.72
N4BP1	55.66	chr16	16q12.1	93	203.35
Hs.731903	55.65	chr1	N/A	1	0.00
CDC42SE2	55.64	chr5	5q31.1	69	102.65
MBOAT1	55.63	chr6	6p22.3	29	127.00
COQ7	55.63	chr16	16p12.3	50	66.64
BTBD3	55.63	chr20	20p12.2	53	102.79
DNAJB12	55.63	chr10	10q22.1	91	62.88
TPSAB1	55.62	chr16	16p13.3	57	88.89
CTIF	55.61	chr18	18q21.1	35	75.84
PPP6R3	55.61	chr11	11q13	94	159.88
CLPB	55.61	chr11	11q13.4	29	124.19
SHROOM3	55.61	chr4	4q21.1	36	119.84
AKIRIN1	55.60	chr1	1p34.3	49	100.34
STX16	55.60	chr20	20q13.32	82	122.68
Hs.709650	55.60	chr15	N/A	8	143.52
Hs.541191	55.59	chr19	N/A	3	14.40
IFT122	55.59	chr3	3q21	54	121.02
NLGN4X	55.57	chrX	Xp22.33	38	357.03
TIAL1	55.57	chr10	10q	64	89.30
SPRR4	55.56	chr1	1q21.3	24	171.95
Hs.745106	55.55	chr10	N/A	7	74.85
CCDC117	55.55	chr22	22q12.1	47	146.15
ASPSR1	55.54	chr17	17q25.3	37	166.17
DYM	55.54	chr18	18q21.1	60	101.81
TMEM168	55.54	chr7	7q31.32	36	108.98
PNMA3	55.53	chrX	Xq28	32	90.47
Hs.523470	55.52	chr11	N/A	5	117.18
Hs.734015	55.50	chr1	N/A	2	3.65
PLD6	55.50	chr17	17p11.2	27	151.58
NBAS	55.50	chr2	2p24	69	121.16
Hs.672957	55.50	chr22	N/A	1	0.00
VPS13D	55.49	chr1	1p36.22	80	152.91
FCGR2B	55.49	chr1	1q23	49	113.22
SEMA5A	55.49	chr5	5p15.2	77	117.50
DOK5	55.46	chr20	20q13.2	38	197.43
TRIM13	55.46	chr13	13q14	68	79.73
WDR70	55.46	chr5	5p13.2	21	60.90
CENPC1	55.45	chr4	4q13.2	47	153.40
LDLR	55.45	chr19	19p13.2	83	174.61
UBXN4	55.44	chr2	2q21.3	61	121.05
ASMT	55.44	chrX	Xp22.3 or Yp11.3	86	155.28
IRF1	55.43	chr5	5q31.1	38	94.98
ALDH1L1	55.42	chr3	3q21.3	45	103.18
ZNF626	55.42	chr19	19p12	52	60.62
FKBP8	55.42	chr19	19p12	45	133.48
RMI2	55.40	chr16	16p13.13	26	211.26
Hs.644962	55.40	chr15	N/A	10	21.72
CD52	55.39	chr1	1p36	33	156.28
SLC30A1	55.39	chr1	1q32.3	33	79.89
Hs.714494	55.37	chr13	N/A	7	37.35
ELN	55.37	chr7	7q11.23	70	85.32
Hs.719518	55.36	chr15	N/A	5	69.99
SCAMP1	55.35	chr5	5q14.1	83	199.17
TRIM41	55.34	chr5	5q35.3	43	123.63

TBCC	55.34	chr6	6p21.1	40	50.28
IDE	55.33	chr10	10q23-q25	62	75.86
ITPR1PL1	55.32	chr2	2q11.2	32	284.34
Hs.660390	55.32	chr10	N/A	8	226.47
ID4	55.29	chr6	6p22.3	49	149.59
PABPC1L	55.29	chr20	N/A	37	229.74
UBR2	55.28	chr6	6p21.1	73	113.84
SIGMAR1	55.27	chr9	9p13.3	73	106.15
HCP5	55.25	chr6	6p21.3	60	114.27
NT5C1A	55.24	chr1	1p34.3-p33	19	221.40
Hs.664672	55.24	chr5	N/A	7	66.03
FAM120C	55.23	chrX	Xp11.22	53	99.73
CLEC2B	55.23	chr12	12p13-p12	46	135.23
MNAT1	55.22	chr14	14q23	49	172.09
CSRP2BP	55.22	chr20	20p11.23	42	83.41
LOC100505738	55.22	chr5	N/A	16	153.16
FOXS1	55.21	chr20	20q11.21	19	60.02
TRAPPC11	55.21	chr4	4q35.1	72	113.40
BSCL2	55.21	chr11	11q13	33	125.09
Hs.659429	55.21	chr5	N/A	7	218.65
CHRNA5	55.20	chr15	15q24	31	173.27
GIGYF2	55.20	chr2	2q37.1	75	98.35
NFAT5	55.20	chr16	16q22.1	80	197.06
SLC30A5	55.18	chr5	5q12.1	80	179.92
FAM170B	55.17	chr10	10q11.23	4	63.00
Hs.733659	55.17	chr3	N/A	7	93.30
BMS1	55.16	chr10	10q11.21	82	120.29
NINJ2	55.16	chr12	12p13	28	122.22
FAM110B	55.16	chr8	8q12.1	59	81.89
PCYT1A	55.15	chr3	3q29	56	123.54
MARC2	55.11	chr1	1q41	33	66.78
MESP1	55.09	chr15	15q26.1	38	54.64
ZCCHC11	55.07	chr1	1p32.3	38	84.11
CLIC3	55.07	chr9	9q34.3	28	201.33
OR4D2	55.05	chr17	17q22	22	93.70
Hs.662351	55.05	chr7	N/A	8	73.05
MPLKIP	55.05	chr7	7p14.1	37	52.68
Hs.687856	55.03	chr19	N/A	3	8.25
FLJ38723	55.02	chr15	15q22.2	18	80.36
GLIS2	55.02	chr16	16p13.3	26	171.83
KIAA0125	55.02	chr14	14q32.33	45	338.31
PTTG1	55.01	chr5	5q35.1	40	80.99
PUS1	55.00	chr12	12q24.33	44	110.70
ZNF721	55.00	chr4	4p16.3	30	160.05
PRKACB	54.98	chr1	1p31.1	65	173.57
RPIA	54.97	chr2	2p11.2	52	85.57
Hs.668269	54.95	chr13	N/A	7	51.69
TBL2	54.95	chr7	7q11.23	42	61.18
Hs.304046	54.95	chr10	N/A	3	5.70
ARNTL	54.94	chr11	11p15	38	116.00
PCDHGC5	54.94	chr5	5q31	3	1.02
Hs.652334	54.93	chr1	N/A	8	92.65
TMPRSS7	54.93	chr3	3q13.2	8	100.00
CORO1B	54.93	chr11	11q13.2	29	143.27
Hs.633014	54.93	chr21	N/A	2	132.14
Hs.715133	54.93	chr2	N/A	1	0.00
DCTN5	54.92	chr16	16p12.2	42	88.51
Hs.714114	54.91	chr5	N/A	7	68.51
GAK	54.91	chr4	4p16	69	151.73
VSTM2L	54.91	chr20	20q11.23	26	102.91
ASB16-AS1	54.91	chr17	17q21.31	17	69.79
SMIM15	54.90	chr5	5q12.1	26	65.63
LZIC	54.90	chr1	1p36.22	31	78.28
CERS1	54.89	chr19	19p12	52	200.73
CCNJL	54.88	chr5	5q33.3	42	224.61
Hs.545009	54.88	chr7	N/A	3	19.02

Hs.729457	54.87	chr10	N/A	8	82.00
UBLCP1	54.86	chr5	5q33.3	48	182.59
CPAMD8	54.85	chr19	19p13.11	17	57.68
CHCHD5	54.84	chr2	2q13	55	75.31
DDX51	54.84	chr12	12q24.33	53	205.25
Hs.473255	54.84	chr20	N/A	4	40.92
FAM114A1	54.83	chr4	4p14	34	116.07
NIPSNAP1	54.83	chr22	22q12.2	45	75.72
LURAP1	54.82	chr1	1p34	16	84.83
Hs.677212	54.81	chr2	N/A	1	0.00
SH3BP4	54.81	chr2	2q37.1-q37.2	29	95.52
TSN	54.80	chr2	2q21.1	50	94.94
GPR124	54.80	chr8	8p11.23	45	79.83
Hs.90250	54.79	chr4	N/A	7	38.76
Hs.597074	54.77	chr6	N/A	2	34.80
GSDMD	54.77	chr8	8q24.3	21	108.86
ANTXR1	54.76	chr2	2p13.1	79	191.13
ACP2	54.73	chr11	11p12-p11	40	105.44
CEBPZ	54.73	chr2	2p22.2	32	85.58
PHF21A	54.72	chr11	11p11.2	86	121.11
PTEN	54.71	chr10	10q23.3	126	141.57
NUPL2	54.71	chr7	7p15	40	83.65
LYRM4	54.69	chr6	6p25.1	69	65.10
DCLK1	54.68	chr13	13q13	101	420.71
Hs.659630	54.68	chr3	N/A	1	0.00
PIEZO1	54.68	chr16	16q24.3	37	85.28
PIN4	54.67	chrX	Xq13	50	100.46
SLC16A3	54.67	chr17	17q25	50	113.53
Hs.545976	54.67	chrX	N/A	3	13.45
SH3GLB2	54.66	chr9	9q34	40	243.85
DTX3	54.66	chr12	12q13.3	62	115.82
CCDC93	54.66	chr2	2q14.1	89	185.50
MANBA	54.66	chr4	4q22-q25	30	76.45
Hs.598765	54.65	chr1	N/A	5	84.11
OR5AR1	54.65	chr11	11q12.1	11	174.87
CD44	54.65	chr11	11p13	131	132.36
C2CD3	54.64	chr11	11q13.4	46	235.95
TFB1M	54.63	chr6	6q25.1-q25.3	44	65.12
THTPA	54.63	chr14	14q11.2	28	80.28
CLEC4G	54.63	chr19	19p13.2	19	57.63
TMEM170B	54.62	chr6	6p24.2	10	147.28
CFDP1	54.62	chr16	16q22.2-q22.3	38	63.75
PLIN5	54.61	chr19	19p13.3	47	103.82
FZD3	54.58	chr8	8p21	38	427.40
TTBK1	54.57	chr6	6p21.1	34	167.76
TSC22D2	54.57	chr3	3q25.1	69	140.92
PDPN	54.56	chr1	1p36.21	70	126.62
RDH13	54.56	chr19	19q13.42	35	154.33
Hs.359754	54.55	chr4	N/A	3	4.86
NDUFAF6	54.53	chr8	8q22.1	23	76.48
FMO1	54.52	chr1	1q24.3	44	123.14
Hs.449415	54.52	chr8	N/A	7	97.57
MUC15	54.51	chr11	11p14.3	36	170.58
Hs.594773	54.48	chr11	N/A	16	88.68
Hs.660215	54.47	chr2	N/A	7	37.97
SHC3	54.47	chr9	9q22.1	63	243.57
MAGEA10	54.46	chrX	Xq28	45	311.12
Hs.659011	54.45	chr15	N/A	9	85.24
METTL13	54.44	chr1	1q24-q25.3	53	107.00
TKTL1	54.42	chrX	Xq28	32	71.26
Hs.643854	54.42	chrX	N/A	11	84.30
Hs.715331	54.41	chrX	N/A	2	25.92
JAG2	54.40	chr14	14q32	56	98.11
Hs.512211	54.40	chr21	N/A	1	0.00
SNORA7B	54.39	chr3	3q21.3	3	10.49
FEM1C	54.39	chr5	5q22	42	185.25

NET1	54.38	chr10	10p15	48	115.27
PNPLA8	54.38	chr7	7q31	61	115.43
IRF2BP1	54.37	chr19	19q13.32	23	79.72
MED21	54.37	chr12	12p11.23	37	128.87
CCDC106	54.36	chr19	19q13.42	30	172.52
BAK1	54.34	chr6	6p21.3	29	75.31
Hs.648636	54.34	chr16	N/A	15	106.36
Hs.561330	54.31	chr4	N/A	2	21.72
ASXL1	54.31	chr20	20q11	74	86.61
NCALD	54.31	chr8	8q22.2	47	132.60
LRP6	54.31	chr12	12p13.2	66	155.69
FAF2	54.30	chr5	5q35.2	58	147.15
Hs.707173	54.29	chr2	N/A	5	141.90
NUDT6	54.29	chr4	4q26	38	70.73
GRAMD3	54.28	chr5	5q23.2	28	89.27
EID2B	54.26	chr19	19q13.2	29	149.57
SETD5-AS1	54.23	chr3	3p25.3	21	94.30
CFP	54.23	chrX	Xp11.4	38	165.89
PAX8	54.23	chr2	2q13	85	216.23
LOC399744	54.22	chr10	10p11.1	19	37.30
FAM172A	54.22	chr5	5q15	69	160.88
MEF2D	54.22	chr1	1q12-q23	58	108.14
NSRP1	54.22	chr17	17q11.2	46	81.93
Hs.665313	54.21	chrX	N/A	7	220.68
VCY	54.20	chrY	Yq11.221	23	77.60
STARD8	54.20	chrX	Xq13.1	23	59.45
RNU11	54.19	chr1	1p35	3	15.80
TERF2	54.19	chr16	16q22.1	42	102.68
ZNF213	54.18	chr16	16p13.3	27	81.59
ABL1	54.17	chr9	9q34.1	134	186.91
PDLIM7	54.17	chr5	5q35.3	73	166.93
ZNF259	54.17	chr11	11q23.3	28	52.75
TMEM177	54.16	chr2	2q14.2	29	64.39
ADCY9	54.16	chr16	16p13.3	57	103.82
Hs.44984	54.16	chr3	N/A	3	33.88
SNX4	54.15	chr3	3q21.2	42	115.08
FAM13B	54.15	chr5	5q31	45	106.26
RIOK2	54.15	chr5	5q15	134	119.76
OR51I1	54.14	chr11	11p15.4	9	191.50
MAP4K5	54.14	chr14	14q11.2-q21	91	195.98
Hs.676013	54.12	chr3	N/A	10	108.25
CWF19L1	54.12	chr10	10q24.31	47	186.46
PIGZ	54.12	chr3	3q29	21	30.75
Hs.598168	54.12	chr19	N/A	4	37.44
R3HDM1	54.12	chr2	2q21.3	69	114.07
SNX9	54.12	chr6	6q25.1-q26	65	147.77
Hs.714138	54.12	chr17	N/A	15	53.29
Hs.547389	54.11	chr12	N/A	11	122.16
Hs.13155	54.11	chr3	N/A	5	28.41
DDX19A	54.11	chr16	16q22.1	49	118.24
Hs.744248	54.11	chr17	N/A	4	18.29
ALG13	54.09	chrX	Xq23	92	133.36
WTAP	54.09	chr6	6q25-q27	97	111.88
ZNF675	54.08	chr19	19p12	31	116.24
ZNF14	54.08	chr19	19p13.11	30	156.24
POLR1C	54.08	chr6	6p21.1	36	76.25
IMPAD1	54.07	chr8	8q12.1	87	130.99
IGSF21	54.06	chr1	1p36.13	26	108.59
TSPAN18	54.05	chr11	11p11.2	50	152.20
C7orf49	54.05	chr7	7q33	32	86.29
SENP7	54.05	chr3	3q12	63	185.09
Hs.732557	54.03	chr1	N/A	3	2.49
NEK4	54.03	chr3	3p21.1	41	158.25
IL13RA1	54.02	chrX	Xq24	88	116.45
LOC100996551	54.01	chr2	N/A	1	0.00
ELOVL1	54.01	chr1	1p34.2	28	52.76

TRIM26	53.99	chr6	6p21.3	43	95.09
MVB12A	53.99	chr19	19p13.11	26	149.89
Hs.603142	53.98	chr18	N/A	7	69.65
LONP2	53.96	chr16	16q12.1	63	119.86
PANK1	53.95	chr10	10q23.31	39	118.98
CRHR2	53.95	chr7	7p14.3	42	91.52
SLU7	53.94	chr5	5q33.3	37	52.20
Hs.662192	53.94	chr6	N/A	7	81.89
PUSL1	53.94	chr1	1p36.33	17	28.17
Hs.319406	53.94	chr3	N/A	3	9.45
OR7D4	53.92	chr19	19p13.2	20	179.84
PIK3R2	53.91	chr19	19q13.2-q13.4	50	205.71
OMA1	53.90	chr1	1p32.2-p32.1	54	102.67
SETD9	53.90	chr5	5q11.2	29	128.72
Hs.738476	53.90	chr3	N/A	7	74.56
ME1	53.90	chr6	6q12	67	116.39
CCBL2	53.90	chr1	1p22.2	73	91.47
ZHX3	53.89	chr20	20q12	35	70.91
CABLES1	53.89	chr18	18q11.2	21	129.33
ZC3H7A	53.87	chr16	16p13-p12	63	91.88
ANKRD35	53.87	chr1	1q21.1	31	147.54
Hs.503850	53.87	chr11	N/A	7	49.81
Hs.444293	53.87	chr3	N/A	1	0.00
NTHL1	53.86	chr16	16p13.3	30	71.86
MFNG	53.86	chr22	22q12	52	63.51
HOMER2	53.85	chr15	15q24.3	44	108.18
CYB561D1	53.84	chr1	1p13.3	23	90.45
Hs.435979	53.84	chr18	N/A	1	0.00
TYW1	53.83	chr7	7q11.21	49	74.70
FNDC1	53.82	chr6	6q25	28	77.32
IL1B	53.82	chr2	2q14	62	445.25
RAB20	53.82	chr13	13q34	36	104.17
C6orf211	53.81	chr6	6q25.1	35	63.03
C6orf120	53.81	chr6	6q27	42	107.74
USP1	53.79	chr1	1p31.3	48	218.39
C12orf73	53.79	chr12	12q23.3	26	72.18
CLDN19	53.78	chr1	1p34.2	18	289.28
Hs.597951	53.77	chr6	N/A	1	0.00
Hs.661835	53.77	chr9	N/A	4	58.17
FLJ20021	53.75	chr4	4q24	21	70.36
DNAAF2	53.75	chr14	14q21.3	28	83.36
EIF4ENIF1	53.74	chr22	22q11.2	42	93.74
Hs.710438	53.71	chr14	N/A	11	73.73
NBN	53.70	chr8	8q21	74	181.32
PIR	53.69	chrX	Xp22.2	33	60.11
LPAR1	53.68	chr9	9q31.3	50	129.85
ZNF493	53.67	chr19	19p12	77	115.91
MORC2	53.67	chr22	22q12.2	45	95.00
Hs.609802	53.65	chr1	N/A	1	0.00
MUC5AC	53.62	chr11	11p15.5	84	218.03
TAF1	53.61	chrX	Xq13.1	62	98.39
BRD8	53.60	chr5	5q31	61	93.41
PPFIA2	53.59	chr12	12q21.31	44	420.73
Hs.596217	53.59	chr8	N/A	7	100.10
Hs.444781	53.58	chrX	N/A	16	129.13
OR10K2	53.57	chr1	1q23.1	5	124.32
LOC283070	53.57	chr10	10p13	19	111.72
ZNF692	53.54	chr1	1q44	28	94.86
CHRNA1	53.54	chr17	17p13.1	33	168.74
SPHK2	53.53	chr19	19q13.2	47	125.75
Hs.604539	53.53	chr1	N/A	7	122.76
PRMT10	53.53	chr4	4q31.23	30	153.30
TTC27	53.52	chr2	2p22.3	32	63.97
SUGP1	53.52	chr19	19p13.11	36	102.91
GPAM	53.52	chr10	10q25.2	39	139.07
B3GALT1	53.51	chr13	13q12.3	59	91.59

TYW3	53.50	chr1	1p31.1	44	64.95
Hs.699526	53.50	chr11	N/A	7	83.57
Hs.667582	53.50	chr14	N/A	1	0.00
Hs.655686	53.50	chr15	N/A	27	165.28
Hs.667819	53.50	chr9	N/A	7	107.85
RASL11B	53.50	chr4	4q12	28	105.90
MGAT5	53.49	chr2	2q21.3	48	148.42
FOLR2	53.49	chr11	11q13.3-q13.5	51	95.51
CHST12	53.47	chr7	7p22	29	66.81
SECISBP2L	53.45	chr15	15q21.1	45	185.92
Hs.732133	53.44	chr20	N/A	8	223.31
Hs.307967	53.43	chr16	N/A	7	232.23
OSGEP	53.43	chr14	14q11.2	38	67.36
TRIM11	53.41	chr1	1q42.13	45	148.88
ZNF708	53.41	chr19	19p12	50	154.23
MROH7	53.40	chr1	1p32.3	42	106.15
Hs.537926	53.40	chr1	N/A	3	9.83
SUPT7L	53.40	chr2	2p23.3	57	106.92
BTN3A1	53.39	chr6	6p22.1	64	152.43
MTPAP	53.39	chr10	10p11.23	48	98.17
C22orf24	53.39	chr22	22q12.1-q12.3	17	150.58
Hs.663149	53.38	chr5	N/A	5	158.03
TAF13	53.38	chr1	1p13.3	25	158.72
FAM208A	53.38	chr3	3p14.3	67	158.26
MDC1	53.37	chr6	6p21.3	39	87.15
DERL2	53.37	chr17	17p13.2	26	65.97
VAT1L	53.36	chr16	16q23.1	26	67.37
Hs.601000	53.36	chr1	N/A	7	69.37
GATAD2A	53.36	chr19	19p13.11	57	129.64
CHFR	53.35	chr12	12q24.33	29	128.20
CSGALNACT2	53.35	chr10	10q11.21	53	183.27
CTF1	53.34	chr16	16p11.2	35	69.62
Hs.721078	53.34	chr3	N/A	21	173.93
Hs.658129	53.34	chr4	N/A	5	73.18
BREA2	53.32	chr8	8q24.3	14	70.63
FCGR2A	53.32	chr1	1q23	55	113.01
VPS4B	53.30	chr18	18q21.33	47	85.91
Hs.607034	53.30	chr22	N/A	10	47.26
C19orf33	53.29	chr19	19q13.2	29	69.40
Hs.706364	53.28	chr15	N/A	5	88.06
ZBTB43	53.28	chr9	9q33.3	54	73.71
COL27A1	53.28	chr9	9q32	68	129.66
MSH6	53.27	chr2	2p16	36	88.55
Hs.594122	53.26	chr9	N/A	8	93.98
AP1G1	53.26	chr16	16q23	69	103.48
TTY14	53.24	chrY	Yq11.222	36	83.51
MDFI	53.24	chr6	6p21	35	229.06
CALCRL	53.24	chr2	2q32.1	55	111.59
RDH5	53.24	chr12	12q13-q14	29	91.71
Hs.561511	53.23	chr6	N/A	11	28.41
DNAJC9	53.22	chr10	10q22.2	26	75.49
CYB5D2	53.22	chr17	17p13.2	46	67.21
TNFRSF21	53.21	chr6	6p21.1	52	138.34
Hs.569204	53.21	chr12	N/A	3	12.66
OR52N5	53.20	chr11	11p15.4	8	151.98
TBC1D23	53.19	chr3	3q12.2	36	96.71
Hs.744531	53.19	chr1	N/A	1	0.00
Hs.660003	53.18	chr1	N/A	8	97.65
ORC4	53.18	chr2	2q22-q23	45	128.43
ADO	53.18	chr10	10q21.3	43	109.09
KIAA0947	53.17	chr5	5p15.32	33	127.04
SPECC1	53.17	chr17	17p11.2	81	586.28
MN1	53.17	chr22	22q12.1	35	94.58
TRIM21	53.16	chr11	11p15.5	23	86.91
Hs.598634	53.16	chr8	N/A	7	109.94
Hs.377419	53.16	chrX	N/A	10	56.69

GTPBP10	53.15	chr7	7q21.13	37	125.89
PRIMA1	53.15	chr14	14q32.12	37	115.56
UBE2NL	53.15	chrX	Xq27.3	18	129.54
DHTKD1	53.15	chr10	10p14	46	114.82
CTSK	53.14	chr1	1q21	34	56.78
TTYH2	53.14	chr17	17q25.1	55	203.23
CCBL1	53.13	chr9	9q34.11	36	86.35
Hs.644980	53.12	chr12	N/A	28	54.52
SLC35F4	53.12	chr14	14q22.2	13	201.19
TTI2	53.11	chr8	8p12	21	80.18
NOL11	53.10	chr17	17q24.2	19	76.73
GCNT2	53.09	chr6	6p24.2	42	195.03
Hs.701439	53.07	chr12	N/A	1	0.00
ABRA	53.07	chr8	8q23.1	20	56.75
ATXN7L3	53.07	chr17	17q21.31	23	84.74
KLHL23	53.06	chr2	2q31.1	60	329.37
Hs.666110	53.05	chr7	N/A	9	233.03
Hs.732534	53.05	chr6	N/A	7	71.96
TFCP2	53.05	chr12	12q13	75	194.03
PLEC	53.04	chr8	8q24	105	143.70
MYLIP	53.02	chr6	6p23-p22.3	64	122.23
ACSF2	53.02	chr17	17q21.33	31	60.49
Hs.562978	53.01	chr2	N/A	1	0.00
Hs.667603	53.01	chr21	N/A	2	15.20
NECAP2	53.00	chr1	1p36.13	29	104.41
Hs.542805	52.99	chr3	N/A	3	23.79
SLBP	52.99	chr4	4p16.3	40	82.76
GLCE	52.98	chr15	15q23	30	127.91
Hs.728241	52.98	chr8	N/A	17	346.13
Hs.707733	52.98	chr11	N/A	22	157.15
Hs.188594	52.98	chr9	N/A	1	0.00
Hs.666569	52.98	chr9	N/A	7	74.72
Hs.731985	52.97	chr4	N/A	3	9.77
RHPN1	52.96	chr8	8q24.3	49	131.91
CALB2	52.96	chr16	16q22.2	34	129.48
ALDH18A1	52.94	chr10	10q24.3	46	123.27
ZC3H4	52.94	chr19	19q13.32	59	134.80
MSH2	52.94	chr2	2p21	53	150.79
Hs.745016	52.93	chr2	N/A	3	12.19
ZNF704	52.93	chr8	8q21.13	82	262.37
PLCG2	52.92	chr16	16q24.1	40	66.54
C1orf174	52.91	chr1	1p36.32	28	66.62
PPFIA4	52.89	chr1	1q32.1	27	88.97
TSPAN32	52.89	chr11	11p15.5	48	130.56
MED16	52.88	chr19	19p13.3	71	136.39
EXTL2	52.87	chr1	1p21	40	112.48
ELP3	52.87	chr8	8p21.1	46	121.18
VPS9D1	52.86	chr16	16q24	30	66.76
DIRAS3	52.86	chr1	1p31	40	149.90
DMXL2	52.86	chr15	15q21.2	36	340.92
Hs.600913	52.84	chr6	N/A	7	94.15
NADK	52.84	chr1	1p36.33	79	138.04
BEND3	52.84	chr6	6q21	38	246.31
Hs.731502	52.83	chr19	N/A	19	197.07
Hs.400256	52.82	chr4	N/A	14	60.44
CRIPAK	52.81	chr4	4p16.3	25	59.86
SDSL	52.81	chr12	12q24.13	28	101.74
BHLHB9	52.81	chrX	Xq23	28	204.21
THBS3	52.80	chr1	1q21	35	74.13
LOC100130920	52.80	chr10	10p15.1	12	60.44
TTC7B	52.80	chr14	14q32.11	35	72.68
CTBP1-AS1	52.80	chr4	4p16.3	30	50.82
ACOX1	52.79	chr17	17q25.1	109	112.49
PAQR7	52.79	chr1	1p36.11	28	261.68
Hs.609247	52.78	chr9	N/A	3	9.11
ELOVL2	52.77	chr6	6p24.2	30	430.48

SNAP29	52.77	chr22	22q11.21	59	123.68
MAPT	52.76	chr17	17q21.1	96	247.35
C19orf44	52.75	chr19	19p13.11	20	93.72
Hs.732947	52.75	chr16	N/A	3	3.98
EIF1AD	52.74	chr11	11q13.1	40	94.33
NUP43	52.74	chr6	6q25.1	66	144.13
Hs.165062	52.73	chr18	N/A	14	95.27
OTUD5	52.72	chrX	Xp11.23	34	106.89
ZNF331	52.72	chr19	19q13.42	59	126.51
Hs.730964	52.70	chr20	N/A	1	0.00
RANBP9	52.69	chr6	6p23	55	103.31
PTGES	52.69	chr9	9q34.3	43	320.08
DCK	52.69	chr4	4q13.3-q21.1	50	126.82
NR1D2	52.69	chr3	3p24.2	46	115.57
KIF20B	52.68	chr10	10q23.31	45	163.48
Hs.666008	52.67	chr17	N/A	7	64.81
RAB24	52.67	chr5	5q35.3	59	72.71
Hs.542776	52.66	chr22	N/A	3	15.76
STXBP3	52.66	chr1	1p13.3	41	108.73
LHB	52.65	chr19	19q13.32	32	109.73
DR1	52.65	chr1	1p22.1	70	103.91
PALM3	52.65	chr19	19p13.12	10	239.21
ZNF230	52.63	chr19	19q13.31	32	213.27
Hs.162411	52.62	chr2	N/A	1	0.00
Hs.566764	52.62	chr7	N/A	3	7.52
Hs.714451	52.62	chr6	N/A	25	127.06
CDK5R2	52.61	chr2	2q35	54	127.71
IQSEC1	52.61	chr3	3p25.2	54	98.11
WDR38	52.61	chr9	9q33.3	23	207.50
PURB	52.61	chr7	7p13	64	97.44
SMAD3	52.60	chr15	15q22.33	98	104.72
IFI44	52.59	chr1	1p31.1	28	82.66
ZP3	52.59	chr7	7q11.23	40	131.83
ACYP1	52.58	chr14	14q24.3	36	81.34
Hs.583897	52.58	chr8	N/A	3	30.59
P2RX5	52.58	chr17	17p13.3	53	221.41
Hs.117173	52.57	chr6	N/A	24	179.35
SLAIN1	52.57	chr13	13q22.3	36	250.94
Hs.667287	52.53	chr3	N/A	7	43.64
FARP1	52.53	chr13	13q32.2	75	116.48
Hs.601458	52.53	chr1	N/A	7	68.82
JMJD6	52.52	chr17	17q25	55	100.71
NACC2	52.52	chr9	9q34.3	48	157.08
CPNE6	52.52	chr14	14q11.2	44	281.15
GAREM	52.52	chr18	18q12.1	57	168.01
Hs.727767	52.51	chr4	N/A	7	108.98
PLK1S1	52.51	chr20	20p11.23	51	99.56
PEX14	52.51	chr1	1p36.22	65	108.59
PTPN20A	52.50	chr10	10q11.22	6	94.72
PDIA4	52.50	chr7	7q35	52	81.29
Hs.708615	52.49	chr10	N/A	10	40.75
CCDC174	52.49	chr3	3p25.1	42	130.22
SLC2A14	52.49	chr12	12p13.31	36	172.11
ZNF830	52.49	chr17	17q12	28	93.54
Hs.543489	52.48	chr4	N/A	3	10.14
CLK4	52.46	chr5	5q35	51	118.64
ANXA8L1	52.46	chr10	10q11.22	7	58.80
RAB3GAP2	52.46	chr1	1q41	73	143.95
SAMD10	52.45	chr20	20q13.33	27	103.25
GLT8D2	52.43	chr12	12q	29	91.03
TUBB8	52.42	chr10	10p15.3	13	68.59
HEXIM1	52.41	chr17	17q21.31	59	178.90
YEATS4	52.41	chr12	12q13-q15	28	78.89
LRP1	52.41	chr12	12q13.3	55	80.69
Hs.22973	52.40	chr2	N/A	8	208.75
Hs.654884	52.39	chr7	N/A	8	80.01

Hs.732514	52.39	chr13	N/A	7	69.99
TRAK1	52.38	chr3	3p22.1	77	111.17
SYNGR1	52.38	chr22	22q13.1	76	89.81
ST3GAL3	52.37	chr1	1p34.1	53	119.12
GPSM3	52.37	chr6	6p21.3	55	94.43
Hs.598410	52.37	chr18	N/A	3	71.05
Hs.740771	52.36	chr14	N/A	7	237.60
MTMR12	52.36	chr5	5p13.3	46	117.98
ACSL4	52.36	chrX	Xq22.3-q23	69	184.19
Hs.611647	52.36	chr7	N/A	3	128.94
TAF1D	52.35	chr11	11q21	41	81.89
PHKG1	52.34	chr7	7p11.2	41	85.54
TADA2B	52.34	chr4	4p16.1	45	142.10
Hs.729233	52.33	chr1	N/A	11	56.61
Hs.604429	52.33	chr9	N/A	7	112.79
Hs.287168	52.32	chr7	N/A	11	198.24
STAT5B	52.30	chr17	17q11.2	84	128.83
Hs.729703	52.29	chr8	N/A	5	60.47
ATG12	52.29	chr5	5q21-q22	88	104.37
EXOSC9	52.28	chr4	4q27	26	81.16
FAM188A	52.27	chr10	10p13	33	102.96
Hs.659085	52.27	chr8	N/A	1	0.00
HIF1AN	52.27	chr10	10q24	41	124.01
ZNF573	52.26	chr19	19q13.12	22	86.58
MPP2	52.26	chr17	17q12-q21	44	88.80
SEMA3F	52.23	chr3	3p21.3	57	232.49
OR56A3	52.23	chr11	11p15.4	5	124.77
Hs.389724	52.22	chr1	N/A	7	80.45
THNSL2	52.22	chr2	2p11.2	33	113.64
ACP5	52.20	chr19	19p13.2	30	91.09
RHOBTB2	52.19	chr8	8p21.3	31	91.31
PAQR3	52.19	chr4	4q21.21	44	217.46
Hs.551755	52.19	chr4	N/A	3	9.29
AOX1	52.18	chr2	2q33	35	96.62
GLTSCR1L	52.18	chr6	6p21.1	73	116.24
LYAR	52.17	chr4	4p16.3	37	57.61
Hs.611389	52.17	chr20	N/A	3	17.02
TCN2	52.14	chr22	22q12.2	38	88.74
Hs.625026	52.14	chr16	N/A	15	130.02
Hs.713984	52.14	chr12	N/A	7	79.43
Hs.654729	52.13	chr4	N/A	2	26.84
CNOT10	52.13	chr3	3p22.3	29	76.73
UPF3A	52.13	chr13	13q34	88	89.07
C11orf21	52.12	chr11	11p15.5	26	68.93
NFATC3	52.11	chr16	16q22.2	105	102.84
Hs.715837	52.10	chr16	N/A	7	45.83
Hs.634269	52.10	chr10	N/A	7	97.94
METTL2A	52.10	chr17	17q23.2	27	109.71
DDX59	52.10	chr1	1q32.1	36	179.84
NAGLU	52.10	chr17	17q21	43	68.47
SPINK7	52.09	chr5	5q32	19	87.90
PTPN6	52.09	chr12	12p13	54	146.61
PPP3CA	52.07	chr4	4q24	87	81.52
Hs.569596	52.07	chr16	N/A	3	15.87
MEMO1	52.07	chr2	2p22-p21	31	97.75
FAM109B	52.06	chr22	22q13.2	19	129.83
ATPAF2	52.05	chr17	17p11.2	45	78.23
ASB13	52.05	chr10	10p15.1	38	66.59
Hs.566514	52.04	chr6	N/A	3	9.85
DCAKD	52.04	chr17	17q21.31	56	217.83
MICA	52.03	chr6	6p21.33	35	56.89
IL17RE	52.03	chr3	3p25.3	32	188.22
Hs.720467	52.03	chr1	N/A	8	12.76
TTYH3	52.03	chr7	7p22	26	79.92
PNO1	52.02	chr2	2p14	67	83.20
KCNK17	52.02	chr6	6p21.1	29	269.40

PFDN4	52.01	chr20	20q13.2	40	90.00
ADRB2	52.00	chr5	5q31-q32	41	61.27
Hs.523129	52.00	chr1	N/A	14	70.05
Hs.545452	52.00	chr8	N/A	3	7.74
DENND6A	51.99	chr3	3p14.3	29	78.12
FAM192A	51.99	chr16	16q13	48	84.98
C1orf105	51.99	chr1	1q24.3	30	147.34
MKL2	51.98	chr16	16p13.12	62	116.48
Hs.536537	51.97	chr2	N/A	8	63.79
LACTB	51.97	chr15	15q22.1	43	105.45
LRCH4	51.97	chr7	7q22	43	124.69
Hs.545671	51.97	chr9	N/A	3	8.93
Hs.543863	51.96	chr5	N/A	3	11.52
ARHGAP9	51.95	chr12	12q13.3	31	108.12
Hs.129193	51.95	chr10	N/A	17	175.40
Hs.632240	51.93	chr17	N/A	11	36.38
SNX11	51.92	chr17	17q21.32	50	77.45
SLC25A29	51.92	chr14	14q32.2	39	72.48
SLC35F1	51.92	chr6	6q22.31	31	90.42
TAZ	51.92	chrX	Xq28	55	96.49
CKS2	51.91	chr9	9q22	42	96.94
CARD9	51.91	chr9	9q34.3	39	108.64
AP1B1	51.91	chr22	22q12.2	36	116.10
KCNJ4	51.90	chr22	22q13.1	41	137.02
UPF2	51.89	chr10	10p14-p13	46	102.25
Hs.732073	51.88	chr9	N/A	12	142.72
SBF1	51.87	chr22	22q13.33	48	121.79
RGS13	51.87	chr1	1q31.2	51	262.22
SLC27A6	51.86	chr5	5q23.3	24	50.64
CRYBA1	51.86	chr17	17q11.2	30	244.51
AP5S1	51.85	chr20	20p13	28	80.80
CDK13	51.85	chr7	7p13	92	180.86
CCDC14	51.85	chr3	3q21.1	39	96.09
PIAS2	51.84	chr18	18q21.1	91	317.71
FAM214B	51.83	chr9	9p13.3	54	90.16
FDXR	51.81	chr17	17q24-q25	33	110.16
MTF2	51.81	chr1	1p22.1	71	166.16
LOC283683	51.80	chr15	15q11.2	6	61.46
Hs.597547	51.80	chr16	N/A	15	94.04
Hs.706025	51.80	chr13	N/A	7	121.79
Hs.26579	51.78	chr10	N/A	14	94.24
GSKIP	51.78	chr14	14q32.2	37	190.61
HIAT1	51.77	chr1	1p21.2	35	110.42
TMEM151A	51.75	chr11	11q13.2	35	170.36
SESTD1	51.75	chr2	2q31.2	59	232.43
TUBG2	51.75	chr17	17q21	28	80.39
Hs.598905	51.74	chr4	N/A	8	25.88
ARHGEF37	51.74	chr5	5q32	55	147.97
CAPN12	51.69	chr19	19q13.2	46	198.71
FLYWCH2	51.69	chr16	16p13.3	36	96.67
C2	51.68	chr6	6p21.3	58	95.08
Hs.596692	51.68	chr6	N/A	14	115.40
IGHD	51.68	chr14	14q32.33	9	99.78
PHF2	51.66	chr9	9q22.31	68	97.68
C9orf114	51.66	chr9	9q34.11	52	116.17
PPARG	51.65	chr3	3p25	64	111.67
SRGAP1	51.64	chr12	12q14.2	57	412.11
AZI2	51.63	chr3	3p24.1	81	88.98
LRTOMT	51.63	chr11	11q13.4	57	206.08
SYNE2	51.63	chr14	14q23.2	109	199.07
UBE3B	51.62	chr12	12q24.11	71	205.26
Hs.656606	51.62	chr10	N/A	14	81.05
ARHGEF1	51.59	chr19	19q13.13	51	124.42
Hs.103142	51.59	chr5	N/A	8	190.43
UBE2W	51.59	chr8	8q21.11	98	177.75
PRICKLE2	51.59	chr3	3p14.1	28	100.85

Hs.700855	51.58	chr2	N/A	8	85.13
TBKBP1	51.58	chr17	17q21.32	40	135.13
PTK2B	51.58	chr8	8p21.1	68	156.26
HLF	51.57	chr17	17q22	65	103.81
Hs.274352	51.56	chrX	N/A	7	48.74
C9orf37	51.56	chr9	9q34.3	45	261.15
NIPSNAP3B	51.56	chr9	9q31.1	39	82.62
SNX7	51.56	chr1	1p21.3	39	91.06
DAND5	51.56	chr19	19p13.2	17	49.99
HMBOX1	51.55	chr8	8p21.1	44	104.40
MAF	51.54	chr16	16q22-q23	83	156.42
SETX	51.53	chr9	9q34.13	66	76.85
ZNF281	51.51	chr1	1q32.1	36	138.16
HTR2A	51.51	chr13	13q14-q21	47	233.42
Hs.660805	51.51	chr17	N/A	5	106.33
ZNF462	51.50	chr9	9q31.2	48	120.85
Hs.161318	51.50	chrY	N/A	1	0.00
Hs.607849	51.49	chr6	N/A	10	120.92
BTRC	51.49	chr10	10q24.32	78	144.75
RBMXL3	51.46	chrX	Xq23	22	268.29
SLC35A2	51.46	chrX	Xp11.23-p11.22	61	153.73
SPAST	51.45	chr2	2p24-p21	55	326.48
ZNF653	51.42	chr19	19p13.2	27	246.44
MIB2	51.42	chr1	1p36.33	48	93.95
AATK	51.41	chr17	17q25.3	46	128.44
CEMP1	51.41	chr16	16p13.3	19	82.86
WIBG	51.41	chr12	12q13.2	46	91.37
PGF	51.40	chr14	14q24.3	35	252.12
USP33	51.39	chr1	1p31.1	63	128.03
AGO1	51.39	chr1	1p34.3	39	88.39
KRT19	51.38	chr17	17q21.2	43	95.42
Hs.656808	51.37	chr1	N/A	32	103.09
SEC22C	51.35	chr3	3p22.1	81	129.34
KIFC3	51.33	chr16	16q13-q21	33	96.22
RANBP3	51.32	chr19	19p13.3	89	120.19
HMG20B	51.32	chr19	19p13.3	49	145.70
AHCTF1	51.32	chr1	1q44	72	130.57
TMEM39B	51.31	chr1	1p35.1	21	68.19
Hs.598360	51.31	chr7	N/A	7	63.98
SURF6	51.28	chr9	9q34.2	27	168.00
Hs.601697	51.28	chr3	N/A	7	172.60
PAPD7	51.27	chr5	5p15	44	90.04
Hs.594579	51.27	chr17	N/A	7	97.97
HEXA	51.27	chr15	15q24.1	67	91.40
EXOC6	51.26	chr10	10q23.33	44	157.71
Hs.460642	51.25	chr16	N/A	20	371.38
AGXT2L1	51.25	chr4	4q25	36	73.15
COBL	51.23	chr7	7p12.1	73	143.42
CPD	51.22	chr17	17q11.2	77	135.51
Hs.733128	51.22	chr1	N/A	7	70.52
GTDC1	51.20	chr2	2q22.3	66	136.04
PDIA5	51.20	chr3	3q21.1	37	79.25
Hs.560926	51.19	chr2	N/A	3	20.05
Hs.477495	51.19	chr1	N/A	1	0.00
SCG2	51.19	chr2	2q35-q36	33	328.22
ACPT	51.18	chr19	19q13.4	20	100.49
Hs.645086	51.17	chr11	N/A	10	22.03
TSP02	51.17	chr6	6p21.1	17	156.50
USP31	51.16	chr16	16p12.2	48	83.02
RASAL2	51.16	chr1	1q24	64	134.25
Hs.670767	51.15	chr9	N/A	1	0.00
DAB1	51.15	chr1	1p32-p31	32	195.27
NT5C3B	51.14	chr17	17q21.2	26	86.46
CDIP1	51.14	chr16	16p13.3	34	153.43
LRRC14B	51.14	chr5	5p15.33	3	18.36
KNCN	51.14	chr1	1p33	16	201.55

FUK	51.14	chr16	16q22.1	16	74.18
C1orf53	51.13	chr1	1q31.3	20	92.32
Hs.432792	51.13	chr7	N/A	4	54.55
RBAK	51.12	chr7	7p22.1	48	196.81
FLJ38717	51.12	chr6	6p21.1	4	43.10
IFT27	51.11	chr22	22q13.1	43	80.88
KRT18	51.09	chr12	12q13	69	156.07
WDR41	51.08	chr5	5q13.3	34	81.04
TRPM7	51.08	chr15	15q21	47	182.80
PAK4	51.07	chr19	19q13.2	46	86.27
Hs.708565	51.07	chr6	N/A	7	50.09
Hs.731448	51.02	chr10	N/A	15	60.50
EPHB4	51.00	chr7	7q22	42	102.44
MALL	50.97	chr2	2q13	42	128.79
BMPR2	50.97	chr2	2q33-q34	99	145.39
TMEM216	50.97	chr11	11q13.1	24	75.14
DMRTC2	50.96	chr19	19q13.2	26	202.10
KDM6B	50.96	chr17	17p13.1	43	69.22
FOCAD	50.95	chr9	9p21	44	96.88
Hs.553022	50.94	chr20	N/A	3	10.78
Hs.565377	50.93	chr2	N/A	3	19.30
AQP4	50.93	chr18	18q11.2-q12.1	72	382.42
NUDT15	50.93	chr13	13q14.2	30	78.61
LOC729173	50.93	chr11	11q23.3	11	35.35
WDR73	50.93	chr15	15q25.2	41	58.23
NUB1	50.93	chr7	7q36	69	103.25
ADAMTS9	50.92	chr3	3p14.1	51	149.33
Hs.559564	50.91	chr1	N/A	3	7.05
Hs.608610	50.90	chr19	N/A	1	0.00
CLCN6	50.90	chr1	1p36	60	89.57
GRIPAP1	50.89	chrX	Xp11	45	137.71
PPP1R26	50.88	chr9	9q34.3	30	71.22
METTL21D	50.88	chr14	14q21.3	42	88.04
GLYR1	50.88	chr16	16p13.3	59	157.65
SEC14L5	50.87	chr16	16p13.3	37	107.85
PRKAA1	50.86	chr5	5p12	51	145.51
PEAR1	50.86	chr1	1q23.1	28	116.73
Hs.519225	50.86	chr5	N/A	3	4.89
Hs.666599	50.85	chr2	N/A	10	92.08
Hs.654766	50.84	chr17	N/A	5	48.26
Hs.543167	50.83	chr3	N/A	3	14.24
CAPRIN2	50.81	chr12	12p11	47	72.88
NPM3	50.81	chr10	10q24.31	23	69.69
CISD2	50.80	chr4	4q24	49	84.86
IP6K2	50.80	chr3	3p21.31	53	71.75
MTO1	50.80	chr6	6q13	38	86.58
LYRM2	50.80	chr6	6q15	47	93.30
FAM69C	50.80	chr18	18q22.3	17	114.16
RAI1	50.80	chr17	17p11.2	58	96.71
PHF16	50.79	chrX	Xp11.23	43	85.12
C7orf61	50.78	chr7	7q22.1	17	104.23
OR51G1	50.78	chr11	11p15.4	18	119.64
FKBP11	50.77	chr12	12q13.12	34	106.30
C8orf33	50.76	chr8	8q24.3	52	131.55
NPC1	50.75	chr18	18q11.2	40	104.74
SLC25A33	50.75	chr1	1p36.22	26	68.74
MFAP3	50.74	chr5	5q32-q33.2	62	194.32
Hs.340945	50.74	chr16	N/A	3	9.09
Hs.602089	50.72	chr12	N/A	7	96.26
CARD10	50.72	chr22	22q13.1	36	82.47
SPP1	50.72	chr4	4q22.1	121	418.54
LMAN1	50.71	chr18	18q21.3-q22	53	222.49
INSR	50.71	chr19	19p13.3-p13.2	41	142.81
RAB9B	50.71	chrX	Xq22.1-q22.3	48	114.01
NPM2	50.71	chr8	8p21.3	19	204.89
RTN4RL2	50.69	chr11	11q12.1	20	104.48

ZFYVE20	50.68	chr3	3p25.1	52	163.78
CHST14	50.66	chr15	15q15.1	36	70.76
C15orf57	50.66	chr15	15q15.1	43	126.37
EDEM1	50.66	chr3	3p26.1	40	103.27
POGZ	50.65	chr1	1q21.3	64	80.09
Hs.537645	50.65	chr1	N/A	3	4.71
RET	50.64	chr10	10q11.2	75	222.02
ST7	50.64	chr7	7q31.2	88	109.32
PIP4K2B	50.64	chr17	17q12	57	110.79
ITPR1PL2	50.64	chr16	16p12.3	80	144.75
CRY1	50.60	chr12	12q23-q24.1	50	105.39
PSORS1C2	50.59	chr6	6p21.3	51	84.93
OSBPL8	50.59	chr12	12q14	73	201.73
Hs.667711	50.59	chr5	N/A	2	15.51
FOXG1	50.59	chr14	14q13	56	378.87
MECP2	50.57	chrX	Xq28	63	184.92
TAOK2	50.57	chr16	16p11.2	60	109.13
DCAF10	50.57	chr9	9p13.2	72	133.37
PRPF4	50.57	chr9	9q31-q33	38	99.80
LEO1	50.56	chr15	15q21.2	29	94.53
SELP	50.56	chr1	1q22-q25	30	148.24
TMX3	50.55	chr18	18q22	53	148.19
CCNT1	50.54	chr12	12q13.11	61	194.40
MMP15	50.54	chr16	16q13	41	80.22
MDN1	50.54	chr6	6q15	44	171.68
NUBPL	50.54	chr14	14q12	33	134.24
TBX5	50.54	chr12	12q24.1	57	96.05
DYRK1B	50.53	chr19	19q13.2	38	121.40
TPSB2	50.53	chr16	16p13.3	16	106.93
Hs.595701	50.53	chr7	N/A	7	230.84
Hs.706486	50.52	chr2	N/A	7	88.21
OSBPL6	50.52	chr2	2q32.1	69	182.88
C18orf21	50.51	chr18	18q12.2	33	78.42
LOC728061	50.51	chr9	9q22.32	1	0.00
Hs.544069	50.51	chr5	N/A	3	10.97
EBF3	50.51	chr10	10q26.3	72	198.66
PPOX	50.51	chr1	1q22	47	62.99
AGO2	50.51	chr8	8q24	58	177.07
Hs.677170	50.50	chr11	N/A	1	0.00
Hs.563964	50.50	chr1	N/A	3	24.04
NDUFAF7	50.49	chr2	2p22.2	46	86.56
AKAP11	50.49	chr13	13q14.11	81	133.05
Hs.671330	50.48	chr20	N/A	1	0.00
NRBP2	50.46	chr8	8q24.3	36	97.35
CD82	50.46	chr11	11p11.2	35	69.02
ORAI3	50.44	chr16	16p11.2	16	113.21
ST20	50.44	chr15	15q25.1	23	98.42
HIST1H2BL	50.43	chr6	6p22.1	30	91.80
NDST2	50.42	chr10	10q22	46	72.99
IFIT5	50.42	chr10	10q23.31	40	121.99
Hs.606787	50.42	chr7	N/A	10	13.75
Hs.528583	50.42	chr10	N/A	3	4.62
CYP1A2	50.42	chr15	15q24.1	38	136.48
DOCK3	50.42	chr3	3p21.2	42	92.17
ST6GALNAC4	50.41	chr9	9q34	41	80.04
KIAA1109	50.39	chr4	4q27	88	293.45
SYNC	50.39	chr1	1p35.1	31	64.60
Hs.493333	50.38	chr9	N/A	3	14.03
CRMP1	50.37	chr4	4p16.1	51	125.84
GABRB1	50.37	chr4	4p12	30	142.00
Hs.720528	50.36	chr6	N/A	7	94.23
HACE1	50.35	chr6	6q16.3	38	124.00
IGFBPL1	50.34	chr9	9p13.1	36	403.35
NCAPD3	50.33	chr11	11q25	34	113.14
CNTN1	50.32	chr12	12q11-q12	84	294.79
INTS8	50.32	chr8	8q22.1	35	106.33

Hs.568837	50.31	chr10	N/A	3	6.03
C18orf8	50.30	chr18	18q11.2	30	109.48
FGL2	50.30	chr7	7q11.23	42	114.07
Hs.732003	50.29	chr2	N/A	7	59.27
VANGL2	50.29	chr1	1q22-q23	6	74.49
GLTPD2	50.29	chr17	17p13.2	29	159.24
TRIM10	50.28	chr6	6p21.3	98	234.63
ASXL2	50.28	chr2	2p24.1	63	107.17
Hs.613813	50.27	chr3	N/A	1	0.00
PDDC1	50.26	chr11	11p15.5	55	106.01
KIAA1147	50.25	chr7	7q34	35	105.09
BAZ1B	50.24	chr7	7q11.23	54	79.25
FLJ44896	50.24	chr5	5p15.33	10	149.02
ZNF273	50.24	chr7	7q11.21	81	367.77
OLFML2B	50.23	chr1	1q23.3	40	107.43
Hs.137414	50.22	chr20	N/A	3	12.97
UNC119	50.20	chr17	17q11.2	33	94.51
KLHL18	50.19	chr3	3p21.31	63	103.15
DNAJC24	50.19	chr11	11p13	36	111.12
ELL	50.17	chr19	19p13.1	68	123.24
IL22RA1	50.16	chr1	1p36.11	38	189.49
Hs.653607	50.15	chr6	N/A	7	101.61
SOS1	50.15	chr2	2p21	87	357.98
LOC729737	50.15	chr1	1p36.33	19	28.50
MTA3	50.14	chr2	2p21	42	88.85
SERTAD3	50.14	chr19	19q13.2	27	92.51
Hs.545298	50.14	chr8	N/A	3	13.29
TRPC1	50.13	chr3	3q23	57	134.94
NXPE3	50.13	chr3	3q12.3	28	58.03
MBOAT2	50.10	chr2	2p25.1	65	127.16
Hs.443853	50.09	chr20	N/A	3	14.07
Hs.699931	50.09	chr11	N/A	7	59.51
Hs.665568	50.09	chr2	N/A	1	0.00
Hs.397465	50.06	chr7	N/A	12	96.13
MAP1S	50.06	chr19	19p13.11	28	90.59
NSF	50.05	chr17	17q21	71	118.62
PCDHGA9	50.04	chr5	5q31	3	6.79
Hs.707006	50.04	chr10	N/A	8	64.65
NRBP1	50.04	chr2	2p23	48	59.64
FAM178B	50.03	chr2	2q11.2	30	127.22
MUSTN1	50.02	chr3	3p21.1	63	207.09
ZNF366	50.00	chr5	5q13.2	19	167.79
ZNF681	50.00	chr19	19p12	35	135.37
Hs.567036	50.00	chr9	N/A	3	17.45
RABGGTA	49.98	chr14	14q11.2	33	103.38
Hs.551903	49.98	chr11	N/A	3	27.16
Hs.597428	49.97	chrX	N/A	8	18.40
TNFRSF25	49.96	chr1	1p36.2	81	144.46
DNAJC21	49.94	chr5	5p13.2	65	88.25
Hs.496303	49.94	chrX	N/A	15	95.47
PELI2	49.93	chr14	14q21	28	77.68
GNAQ	49.93	chr9	9q21	68	123.02
MAN1B1	49.92	chr9	9q34	46	76.78
CCNL2	49.91	chr1	1p36.33	69	88.69
TYSND1	49.90	chr10	10q22.1	35	250.72
Hs.554445	49.89	chr22	N/A	3	13.29
RNF219	49.89	chr13	13q31.1	35	66.07
Hs.114914	49.89	chr8	N/A	1	0.00
MOSPD1	49.88	chrX	Xq26.3	36	92.62
ASPH	49.87	chr8	8q12.1	101	113.66
ZNF641	49.87	chr12	12q13.11	47	177.64
NQO1	49.87	chr16	16q22.1	51	124.22
Hs.584132	49.87	chr9	N/A	3	12.45
ALKBH2	49.86	chr12	12q24.11	29	83.10
Hs.695361	49.86	chr12	N/A	8	8.09
Hs.112862	49.84	chr6	N/A	14	158.56

UNC13B	49.84	chr9	9p13.3	33	80.55
Hs.353163	49.83	chr17	N/A	8	59.36
Hs.563980	49.83	chr1	N/A	3	9.63
TCTA	49.82	chr3	3p21	40	87.83
UNC5B	49.82	chr10	10q22.1	48	121.87
C19orf54	49.80	chr19	19q13.2	20	80.10
PNMAL1	49.79	chr19	19q13.32	48	77.99
Hs.435957	49.76	chr17	N/A	1	0.00
Hs.445034	49.74	chr2	N/A	8	60.76
GLIPR1	49.74	chr12	12q21.2	78	144.70
AFF1	49.73	chr4	4q21	79	177.95
HMG20A	49.72	chr15	15q24	36	103.10
LOC728715	49.71	chr12	12p13.31	3	9.94
FOSL1	49.71	chr11	11q13	42	133.72
CCDC58	49.71	chr3	3q21.1	17	59.33
Hs.744365	49.71	chr2	N/A	7	149.20
Hs.556087	49.70	chr3	N/A	14	163.30
PRPF4B	49.70	chr6	6p25.2	80	172.77
CCDC102A	49.69	chr16	16q21	19	72.12
Hs.149244	49.69	chr17	N/A	7	168.04
POFUT2	49.69	chr21	21q22.3	74	129.83
Hs.732058	49.67	chr2	N/A	7	102.17
DPP3	49.67	chr11	11q12-q13.1	34	87.18
CDK5	49.66	chr7	7q36	37	133.64
ANXA4	49.63	chr2	2p13	35	98.73
Hs.668093	49.63	chr3	N/A	1	0.00
Hs.675535	49.62	chr13	N/A	10	43.49
PARD6A	49.62	chr16	16q22.1	33	116.94
SUDS3	49.61	chr12	12q24.23	29	91.44
RBM34	49.61	chr1	1q42.3	52	110.82
Hs.129392	49.61	chr16	N/A	3	7.75
Hs.442723	49.60	chr2	N/A	17	288.63
MTFMT	49.60	chr15	15q22.31	29	99.22
ZNF133	49.60	chr20	20p11.23	43	65.93
SCARNA9	49.58	chr11	11q21	3	23.09
MLLT4	49.58	chr6	6q27	105	182.55
Hs.584190	49.58	chr9	N/A	8	11.66
ZNF644	49.57	chr1	1p22.2	99	208.12
RBBP8	49.55	chr18	18q11.2	36	125.99
MTERFD3	49.54	chr12	12q24.1	25	53.75
FAM49A	49.53	chr2	2p24.2	43	306.47
SLC1A5	49.52	chr19	19q13.3	35	125.76
XPOT	49.51	chr12	12q14.2	40	141.62
SMOX	49.50	chr20	20p13	44	162.29
Hs.718761	49.49	chr5	N/A	7	95.03
GPKOW	49.49	chrX	Xp11.23	33	78.87
Hs.541654	49.48	chr2	N/A	3	26.08
Hs.660734	49.48	chr3	N/A	8	84.98
BOK	49.47	chr2	2q37.3	50	91.97
CHD1	49.47	chr5	5q15-q21	26	202.59
PPP1R3D	49.45	chr20	20q13.3	38	88.77
TBC1D20	49.45	chr20	20p13	66	131.76
CDS1	49.45	chr4	4q21.23	70	503.94
Hs.734087	49.45	chrX	N/A	7	96.72
SIK3	49.45	chr11	11q23.3	76	101.32
ARID2	49.44	chr12	12q12	69	228.31
Hs.596370	49.43	chr3	N/A	1	0.00
Hs.543340	49.42	chr4	N/A	3	14.21
NANP	49.42	chr20	20p11.1	45	308.07
CAPG	49.42	chr2	2p11.2	33	71.90
COLEC11	49.42	chr2	2p25.3	44	74.28
Hs.608707	49.41	chr8	N/A	7	93.67
Hs.710432	49.41	chrX	N/A	4	64.52
Hs.498025	49.41	chr1	N/A	11	57.90
ZFAND3	49.40	chr6	6pter-p22.3	64	142.62
RFC3	49.39	chr13	13q13.2	73	242.68

TFIP11	49.38	chr22	22q12.1	36	85.09
ZNF655	49.38	chr7	7q22.1	47	68.06
ZMYND12	49.37	chr1	1p34.2	19	133.08
Hs.633537	49.36	chr3	N/A	8	145.74
RAB6B	49.36	chr3	3q22.1	56	119.31
LRFN4	49.36	chr11	11q13.2	28	87.38
SUV420H1	49.35	chr11	11q13.2	63	144.33
NOTCH2	49.35	chr1	1p13-p11	63	89.88
Hs.541863	49.34	chr2	N/A	3	4.71
PACS1	49.33	chr11	11q13.1-q13.2	42	103.07
DDX18	49.33	chr2	2q14.1	145	185.86
HAUS4	49.32	chr14	14q11.2	30	99.83
ELMOD1	49.32	chr11	11q22.3	28	346.43
DNAJC1	49.31	chr10	10p12.31	39	102.74
CCDC97	49.31	chr19	19q13.2	34	96.41
MRGBP	49.30	chr20	20q13.33	38	165.03
RMND5B	49.30	chr5	5q35.3	47	83.01
PTGR2	49.30	chr14	14q24.3	32	40.86
OR1N1	49.30	chr9	9q33.2	5	82.67
EXT1	49.27	chr8	8q24.11	72	125.04
MPDU1	49.24	chr17	17p13.1-p12	42	101.19
Hs.541506	49.23	chr2	N/A	3	16.72
SETD1B	49.23	chr12	12q24.31	26	109.74
USP32	49.23	chr17	17q23.3	52	110.29
TRIM47	49.23	chr17	17q25	18	72.08
MAN1C1	49.22	chr1	1p35	69	96.69
Hs.660221	49.22	chr20	N/A	19	156.93
Hs.598928	49.21	chr9	N/A	13	51.73
Hs.633186	49.21	chr1	N/A	8	85.11
Hs.657635	49.20	chr8	N/A	1	0.00
COL12A1	49.20	chr6	6q12-q13	43	101.35
GTF2IRD2	49.19	chr7	7q11.23	71	105.46
CPEB2	49.18	chr4	4p15.33	51	140.47
Hs.730992	49.17	chr9	N/A	1	0.00
CDK5RAP1	49.16	chr20	20q11.21	39	90.50
Hs.708955	49.16	chr2	N/A	15	53.11
LOC642846	49.15	chr12	12p13.31	6	67.56
NOS3	49.15	chr7	7q36	57	104.12
TBX2	49.13	chr17	17q23.2	59	103.04
KIRREL3-AS2	49.13	chr11	N/A	4	30.79
ADAMTSL2	49.12	chr9	9q34.2	30	140.08
ZADH2	49.12	chr18	18q22.3	63	91.05
ZSWIM8	49.12	chr10	10q22.2	46	135.50
COLQ	49.12	chr3	3p25	49	154.87
NCBP1	49.11	chr9	9q34.1	48	131.77
AP3M2	49.11	chr8	8p11.2	44	77.87
COMMD5	49.10	chr8	8q24.3	52	142.62
C12orf52	49.10	chr12	12q24.13	43	67.99
LEPRE1	49.09	chr1	1p34.1	35	58.27
GPT2	49.08	chr16	16q12.1	34	134.49
Hs.658202	49.06	chr3	N/A	1	0.00
ELAVL1	49.05	chr19	19p13.2	85	181.12
Hs.463996	49.05	chr17	N/A	3	7.78
Hs.668226	49.03	chr3	N/A	1	0.00
ANKRD44	49.03	chr2	2q33.1	59	223.29
LIFR	49.02	chr5	5p13-p12	83	124.55
LOC100287628	49.02	chr16	16p13.2	8	98.47
Hs.513392	49.02	chr14	N/A	8	48.76
DDX46	49.02	chr5	5q31.1	59	123.42
FBXO28	49.01	chr1	1q42.11	62	113.31
C9orf72	49.00	chr9	9p21.2	50	231.40
COL8A1	48.99	chr3	3q12.3	56	112.30
Hs.657925	48.99	chr2	N/A	7	103.52
SYS1	48.98	chr20	20q13.12	34	103.25
Hs.715867	48.97	chr8	N/A	3	12.28
FIG4	48.97	chr6	6q21	30	91.86

SPPL2B	48.96	chr19	19p13.3	60	128.44
Hs.77873	48.96	chr15	N/A	7	39.24
EXOC3	48.96	chr5	5p15.33	51	103.94
WDR59	48.95	chr16	16q23.1	58	143.19
TEAD1	48.95	chr11	11p15.2	83	123.08
PGM2	48.95	chr4	4p14	42	74.42
Hs.665057	48.95	chr6	N/A	1	0.00
FGF1	48.94	chr5	5q31	79	255.37
DLG5	48.93	chr10	10q23	54	153.95
Hs.717351	48.93	chr2	N/A	2	70.66
Hs.731460	48.92	chr3	N/A	12	47.99
Hs.648422	48.92	chr7	N/A	7	75.55
FNBP1	48.92	chr9	9q34	75	160.42
SOX2	48.92	chr3	3q26.3-q27	57	218.84
LOXL2	48.91	chr8	8p21.3	134	118.47
Hs.12621	48.91	chr3	N/A	8	75.38
Hs.583506	48.91	chr7	N/A	3	16.07
CSNK2A1	48.91	chr20	20p13	74	87.36
Hs.697386	48.90	chr4	N/A	7	120.10
LOC729008	48.89	chr17	17q21.31	3	5.02
CCDC8	48.89	chr19	19q13.32	27	59.70
MDK	48.89	chr11	11p11.2	51	157.22
EMC1	48.88	chr1	1p36.13	66	138.51
APOOL	48.88	chrX	Xq21.1	48	141.19
TMLHE	48.88	chrX	Xq28	62	95.82
Hs.312579	48.87	chr16	N/A	1	0.00
Hs.633217	48.87	chr1	N/A	10	86.52
BAZ2B	48.85	chr2	2q24.2	55	166.45
CCDC9	48.83	chr19	19q13.32	23	164.64
VDR	48.81	chr12	12q13.11	70	142.18
DNAJC2	48.81	chr7	7q22	21	99.63
DNAJC4	48.81	chr11	11q13	90	97.47
ZZEF1	48.81	chr17	17p13.2	76	120.23
ALAD	48.80	chr9	9q33.1	58	110.10
EDEM2	48.80	chr20	20q11.22	38	133.73
CSTF2	48.80	chrX	Xq22.1	38	105.99
FMNL2	48.79	chr2	2q23.3	58	268.62
Hs.658628	48.79	chrX	N/A	1	0.00
PRRC2A	48.78	chr6	6p21.3	60	112.84
MMP19	48.78	chr12	12q14	68	122.69
EVPL	48.78	chr17	17q25	30	98.32
HECTD3	48.78	chr1	1p34.1	37	94.66
Hs.563432	48.77	chr7	N/A	1	0.00
Hs.564869	48.75	chr12	N/A	7	42.47
AKT1S1	48.75	chr19	19q13.33	43	229.72
SSX2IP	48.74	chr1	1p22.3	83	342.84
LOC100128653	48.74	chr7	7p22.3	1	0.00
TCTN3	48.72	chr10	10q24.1	62	103.21
WDR55	48.72	chr5	5q31.3	36	122.15
Hs.621913	48.72	chr6	N/A	3	4.91
MYO9B	48.69	chr19	19p13.1	59	92.62
Hs.661695	48.69	chr7	N/A	1	0.00
BCKDHB	48.68	chr6	6q14.1	68	94.24
Hs.583642	48.67	chr8	N/A	3	32.04
Hs.677268	48.67	chrX	N/A	14	53.01
ABC6	48.66	chr2	2q36	47	78.66
RPS6KB1	48.66	chr17	17q23.1	90	113.98
LY6G6C	48.66	chr6	6p21.33	30	81.21
CBR4	48.66	chr4	4q32.3	57	103.84
SLC12A2	48.65	chr5	5q23.3	58	97.09
KLC2	48.65	chr11	11q13.2	27	80.95
ZMYM3	48.65	chrX	Xq13.1	55	124.08
BRIX1	48.65	chr5	5p13.2	41	70.18
ZNF658	48.64	chr9	9p13.1	43	121.15
LTN1	48.62	chr21	21q22.11	44	155.26
MLXIP	48.62	chr12	12q24.31	63	135.82

DHRS11	48.61	chr17	17q12	28	113.00
FMNL3	48.60	chr12	12q13.12	59	514.14
Hs.543781	48.59	chr5	N/A	3	2.52
Hs.686668	48.59	chr6	N/A	1	0.00
THRSP	48.59	chr11	11q14.1	31	102.24
Hs.293736	48.58	chr20	N/A	25	88.69
GPAT2	48.57	chr2	2q11.1	30	76.04
NRARP	48.56	chr9	9q34.3	12	117.33
PAPD4	48.55	chr5	5q14.1	58	181.66
Hs.664818	48.55	chr3	N/A	8	68.79
LOC100507424	48.54	chr12	N/A	9	103.39
ST3GAL4	48.54	chr11	11q24.2	52	111.57
FAM49B	48.54	chr8	8q24.21	64	160.71
LOC400099	48.53	chr13	13q12.11	5	75.59
ABHD5	48.52	chr3	3p21	88	114.94
Hs.12876	48.52	chr6	N/A	11	63.40
OCEL1	48.51	chr19	19p13.11	32	106.21
OR51A7	48.51	chr11	11p15.4	18	175.80
Hs.540162	48.51	chr15	N/A	3	30.64
Hs.560083	48.50	chr12	N/A	18	75.82
Hs.713951	48.50	chr21	N/A	7	131.54
Hs.258941	48.50	chr2	N/A	1	0.00
CD8A	48.49	chr2	2p12	46	124.88
CYP1A1	48.48	chr15	15q24.1	31	83.21
TMEM86A	48.48	chr11	11p15.1	38	181.86
Hs.706911	48.47	chr4	N/A	7	27.86
AP3M1	48.47	chr10	10q22.2	57	81.25
AQP3	48.47	chr9	9p13	57	97.33
Hs.610315	48.47	chr17	N/A	10	37.54
POMC	48.46	chr2	2p23.3	26	107.77
ZMYM6	48.46	chr1	1p34.2	86	264.51
PTCRA	48.45	chr6	6p21.3	41	111.94
HIRIP3	48.45	chr16	16p11.2	45	123.54
WASF2	48.44	chr1	1p36.11	48	110.06
Hs.503001	48.44	chr11	N/A	1	0.00
ERMP1	48.43	chr9	9p24	52	89.68
SLC25A37	48.43	chr8	8p21.2	128	151.69
PTPRE	48.41	chr10	10q26	87	142.12
SLC43A3	48.40	chr11	11q11	66	108.35
OSTM1-AS1	48.40	chr6	6q21	8	70.29
Hs.532776	48.39	chr17	N/A	3	21.31
FAM114A2	48.39	chr5	5q31-q33	33	75.05
HERC3	48.39	chr4	4q21	51	214.89
PIAS1	48.38	chr15	15q	68	93.41
FAM160B2	48.38	chr8	8p21.3	37	93.83
NRSN2	48.38	chr20	20p13	44	95.88
KPNA5	48.38	chr6	6q22.1	39	321.43
CHIC2	48.37	chr4	4q11	28	180.67
SERGEF	48.37	chr11	11p14.3	46	96.12
Hs.536450	48.37	chr1	N/A	7	72.08
GAPVD1	48.37	chr9	9q33.3	82	105.68
ATP5S	48.37	chr14	14q21.3	89	77.74
SCN7A	48.36	chr2	2q21-q23	48	214.61
CYB561D2	48.36	chr3	3p21.3	38	81.34
Hs.721420	48.35	chr9	N/A	1	0.00
Hs.598530	48.34	chr18	N/A	10	200.10
USP46	48.34	chr4	4q12	68	150.00
URGCP	48.34	chr7	7p13	49	115.42
CDO1	48.33	chr5	5q23.2	33	67.55
SMIM11	48.32	chr21	21q22.12	58	59.27
MPPE1	48.32	chr18	18p11.21	63	107.63
LOC100128288	48.32	chr17	17p13.1	21	69.87
BCL2	48.32	chr18	18q21.3	109	102.03
TRAM2	48.32	chr6	6p21.1-p12	53	68.65
Hs.606130	48.31	chr6	N/A	7	37.58
PHF5A	48.31	chr22	22q13.2	29	96.09

RUNDC3A	48.31	chr17	17q21.31	42	153.98
C20orf166-AS1	48.29	chr20	20q13.33	23	151.58
C20orf26	48.28	chr20	20p11.23	52	134.79
GABRB3	48.28	chr15	15q12	67	458.22
PHLDA1	48.27	chr12	12q15	100	156.20
LAS1L	48.27	chrX	Xq12	31	89.63
SSH3	48.27	chr11	11q13.2	43	82.13
ITGA3	48.27	chr17	17q21.33	44	141.91
TMEM80	48.26	chr11	11p15.5	56	68.45
Hs.713813	48.26	chr15	N/A	7	68.86
HDHD3	48.26	chr9	9q32	28	86.89
PIGN	48.26	chr18	18q21.33	66	106.26
PHF8	48.25	chrX	Xp11.22	78	182.15
RNF144B	48.23	chr6	6p22.3	36	91.44
IGHM	48.23	chr14	14q32.33	7	86.77
CHRD	48.22	chr3	3q27	45	87.79
TAOK3	48.22	chr12	12q	54	126.76
SORL1	48.20	chr11	11q23.2-q24.2	74	126.85
TBP	48.20	chr6	6q27	45	76.12
Hs.586911	48.19	chr16	N/A	1	0.00
GBP1	48.19	chr1	1p22.2	57	109.12
C1orf216	48.18	chr1	1p34.3	30	86.98
PACSIN1	48.18	chr6	6p21.3	44	95.21
TBXA2R	48.17	chr19	19p13.3	61	74.84
Hs.608624	48.17	chr17	N/A	2	110.04
Hs.537652	48.17	chr1	N/A	3	17.28
SLC6A12	48.16	chr12	12p13	30	183.09
Hs.656975	48.15	chr5	N/A	7	32.79
PRKCD	48.13	chr3	3p21.31	70	96.89
BHLHE23	48.13	chr20	20q13.33	16	56.36
DGKG	48.13	chr3	3q27.2-q27.3	33	90.23
Hs.136398	48.13	chr9	N/A	8	71.01
IGSF3	48.13	chr1	1p13	44	124.86
MYOC	48.13	chr1	1q23-q24	38	79.13
NARFL	48.12	chr16	16p13.3	28	66.83
KANSL1	48.12	chr17	17q21.31	52	157.37
GPER	48.12	chr7	7p22.3	39	87.67
C7orf60	48.12	chr7	7q31.1	36	202.73
PCGF6	48.11	chr10	10q24.33	29	71.76
SARS2	48.11	chr19	19q13.2	28	100.85
RPAP2	48.11	chr1	1p22.1	31	65.20
TNNI2	48.10	chr11	11p15.5	30	146.26
Hs.658022	48.09	chr15	N/A	10	31.97
FAM217B	48.09	chr20	20q13.33	47	102.83
DKFZp779M0652	48.08	chr11	11p11.2	11	25.96
AFF4	48.08	chr5	5q31	111	252.87
C9orf38	48.06	chr9	9p24.1	18	88.51
OR52K1	48.06	chr11	11p15.4	10	99.61
DNAJC14	48.05	chr12	12q13.2	36	117.98
C5orf22	48.04	chr5	5p13.3	52	113.59
IGSF9B	48.04	chr11	11q25	19	129.96
GEMIN4	48.04	chr17	17p13	45	107.19
PKD1	48.04	chr16	16p13.3	46	71.78
WDR54	48.03	chr2	2p13.1	26	143.91
SALL2	48.03	chr14	14q11.1-q12	30	79.80
Hs.573560	48.03	chr9	N/A	7	95.14
CCDC109B	48.02	chr4	4q25	28	120.66
Hs.674617	48.01	chr1	N/A	1	0.00
YPEL2	48.01	chr17	17q22	66	140.88
Hs.707058	48.00	chr18	N/A	7	113.57
SLIT3	48.00	chr5	5q35	74	95.89
FGFRL1	47.99	chr4	4p16	40	162.31
PCOLCE-AS1	47.99	chr7	7q22.1	1	0.00
Hs.632960	47.99	chr8	N/A	12	135.95
INTS5	47.97	chr11	11q12.3	33	92.77
THSD1	47.97	chr13	13q14.3	27	80.34

FGD6	47.96	chr12	12q22	53	189.58
Hs.657736	47.96	chr10	N/A	1	0.00
TRNAU1AP	47.96	chr1	1p35.3	52	105.89
RFX5	47.95	chr1	1q21	36	93.28
RPRD2	47.94	chr1	1q21.3	41	98.02
ITPR3	47.94	chr6	6p21	43	140.99
TMEM54	47.94	chr1	1p35-p34	33	108.26
Hs.596544	47.92	chr2	N/A	7	48.09
Hs.725299	47.92	chr16	N/A	3	7.56
ADAM33	47.92	chr20	20p13	33	89.41
Hs.664984	47.92	chr20	N/A	7	52.29
Hs.521600	47.91	chr8	N/A	3	23.27
Hs.580030	47.91	chr2	N/A	3	31.29
Hs.736002	47.91	chr15	N/A	4	53.24
Hs.562701	47.89	chr17	N/A	3	23.97
SEL1L	47.89	chr14	14q31	86	152.12
Hs.188403	47.88	chr18	N/A	3	20.24
HIST1H1E	47.87	chr6	6p21.3	23	87.18
MEP1A	47.86	chr6	6p12-p11	40	272.17
MCM4	47.85	chr8	8q11.2	69	131.43
CHD9	47.84	chr16	16q12.2	106	181.24
TRAF3IP2	47.83	chr6	6q21	58	197.11
Hs.660959	47.83	chr12	N/A	7	64.38
Hs.633204	47.83	chr12	N/A	19	178.86
DTNBP1	47.82	chr6	6p22.3	48	106.41
MRTO4	47.81	chr1	1p36.13	29	62.16
Hs.719706	47.81	chr8	N/A	3	13.45
ATM	47.81	chr11	11q22-q23	120	160.60
PTPRZ1	47.81	chr7	7q31.3	57	505.14
Hs.733136	47.81	chr14	N/A	27	77.61
ZCCHC10	47.80	chr5	5q31.1	40	99.10
CYTH2	47.79	chr19	19q13.33	45	101.24
TCF7L1	47.79	chr2	2p11.2	35	104.48
Hs.595143	47.79	chr16	N/A	3	46.53
ARHGAP35	47.77	chr19	19q13.3	110	191.63
HERC6	47.76	chr4	4q22.1	43	103.45
ZNF12	47.76	chr7	7p22.1	40	68.84
Hs.544232	47.75	chr5	N/A	3	8.10
UGCG	47.75	chr9	9q31	69	141.51
Hs.575147	47.75	chr5	N/A	3	3.78
GET4	47.75	chr7	7p22.3	61	131.14
PICK1	47.75	chr22	22q13.1	31	94.90
DCUN1D4	47.74	chr4	4q12	60	259.87
RNF26	47.74	chr11	11q23	18	62.37
SSR1	47.74	chr6	6p24.3	75	167.51
Hs.735284	47.74	chr5	N/A	1	0.00
Hs.650047	47.74	chr5	N/A	3	27.66
Hs.552902	47.73	chr12	N/A	3	2.52
FAM86B2	47.73	chr8	8p23.1	2	14.52
MS4A6A	47.73	chr11	11q12.1	74	108.88
RGS10	47.73	chr10	10q25	50	88.45
KRBA2	47.73	chr17	17p13.1	6	20.96
CPSF6	47.73	chr12	12q15	74	289.35
AMY2B	47.72	chr1	1p21	29	141.77
OR52K2	47.72	chr11	11p15.4	16	64.65
Hs.571736	47.71	chrX	N/A	3	27.18
USE1	47.71	chr19	19p13.11	41	77.49
Hs.710607	47.71	chr2	N/A	14	87.43
GNA12	47.70	chr7	7p22.2	77	113.93
C14orf23	47.69	chr14	14q12	9	168.91
Hs.149142	47.69	chr14	N/A	1	0.00
FZD1	47.69	chr7	7q21	47	75.38
KLHDC10	47.67	chr7	7q32.2	83	107.83
FUOM	47.64	chr10	10q26.3	29	88.26
SEMA4A	47.63	chr1	1q22	36	74.76
ZFYVE1	47.62	chr14	14q24.2	40	218.99

LOC100130100	47.62	chr2	2q13	2	8.69
SNCB	47.62	chr5	5q35	42	119.23
Hs.592108	47.62	chr17	N/A	7	61.16
GPRASP1	47.62	chrX	Xq22.1	30	75.53
GFAP	47.61	chr17	17q21	58	218.10
TMED8	47.61	chr14	14q24.3	28	83.37
TMEM236	47.60	chr10	10p12.33	10	116.05
LSM6	47.60	chr4	4q31.22	37	68.12
Hs.573905	47.60	chr11	N/A	3	17.85
LOC100507537	47.59	chr3	3q25	10	33.25
RAB22A	47.59	chr20	20q13.32	66	83.90
STX17	47.59	chr9	9q31.1	63	103.84
HRASLS	47.57	chr3	3q29	33	73.94
ATP13A2	47.57	chr1	1p36	38	124.17
Hs.658635	47.56	chr12	N/A	1	0.00
FAM109A	47.56	chr12	12q24.12	19	57.49
TRIM32	47.56	chr9	9q33.1	73	182.18
Hs.708749	47.55	chr6	N/A	1	0.00
ZER1	47.55	chr9	9q34.11	60	98.62
CLDN11	47.55	chr3	3q26.2-q26.3	44	84.36
Hs.678810	47.55	chr8	N/A	7	122.61
Hs.656402	47.55	chr10	N/A	8	191.90
Hs.663909	47.53	chr20	N/A	14	119.82
MUC1	47.53	chr1	1q21	60	137.91
CYB5D1	47.53	chr17	17p13.1	32	132.57
PPIE	47.53	chr1	1p32	61	72.92
SCARNA17	47.53	chr18	18q21.1	10	5.94
WDR5	47.52	chr9	9q34	37	195.64
SLC25A51	47.52	chr9	9p13.3-p12	53	283.10
TGFB1	47.51	chr19	19q13.1	65	138.23
ZC3H13	47.51	chr13	13q14.13	108	95.31
ADSS	47.51	chr1	1q44	56	154.13
IPPK	47.50	chr9	9q22.31	28	68.56
Hs.714198	47.50	chr12	N/A	3	9.85
TRNT1	47.50	chr3	3p25.1	49	403.37
Hs.664823	47.49	chr2	N/A	7	146.73
ATF6	47.49	chr1	1q22-q23	83	127.59
KATNA1	47.49	chr6	6q25.1	46	84.92
ACSL5	47.48	chr10	10q25.1-q25.2	48	120.25
ZNF282	47.48	chr7	7q36.1	34	101.47
ARHGAP31	47.48	chr3	3q13.33	28	57.75
FANCG	47.47	chr9	9p13	30	79.97
GALM	47.46	chr2	2p22.1	30	124.13
SP3	47.45	chr2	2q31	95	163.94
PPRC1	47.44	chr10	10q24.32	30	95.80
SAP130	47.44	chr2	2q14.3	59	119.74
PDGFRL	47.43	chr8	8p22-p21.3	42	83.74
Hs.52931	47.42	chr8	N/A	8	69.64
ZNF784	47.42	chr19	19q13.42	26	65.68
CDH24	47.40	chr14	14q11.2	60	205.60
Hs.561654	47.40	chr7	N/A	11	65.25
LOC149373	47.38	chr1	1q42.2	24	54.16
EXD2	47.38	chr14	14q24.1	44	95.31
JAK2	47.37	chr9	9p24	61	119.64
CRK	47.37	chr17	17p13.3	46	109.19
Hs.248158	47.37	chr2	N/A	8	176.56
FAP	47.37	chr2	2q23	34	148.21
ANXA8L2	47.36	chr10	10q11.22	36	85.72
Hs.718227	47.36	chr2	N/A	2	23.46
SCAMP5	47.36	chr15	15q24.2	36	113.01
CYP11B1	47.33	chr8	8q21	55	252.93
FAM178A	47.33	chr10	10q24.31	91	194.51
MCFD2	47.32	chr2	2p21	57	108.66
Hs.666958	47.32	chr2	N/A	7	24.00
CHD2	47.31	chr15	15q26	88	121.24
ZBTB44	47.31	chr11	11q24.3	83	158.91

TMEM237	47.31	chr2	2q33.2	42	106.09
ARRDC2	47.27	chr19	19p13.11	40	62.78
MID2	47.26	chrX	Xq22.3	42	204.51
SH3GL1	47.26	chr19	19p13.3	40	76.47
Hs.677124	47.26	chr20	N/A	1	0.00
DOCK1	47.26	chr10	10q26.13-q26.3	43	90.31
Hs.16360	47.25	chrX	N/A	10	194.12
MPZL1	47.25	chr1	1q24.2	94	100.80
IL2RG	47.25	chrX	Xq13.1	40	91.40
TEFM	47.24	chr17	N/A	43	61.09
CBR1	47.24	chr21	21q22.13	30	58.50
ERO1L	47.24	chr14	14q22.1	47	89.68
RDH12	47.23	chr14	14q24.1	23	192.52
OSR1	47.23	chr2	2p24.1	19	141.23
ZNF540	47.22	chr19	19q13.12	26	244.39
Hs.668088	47.20	chr3	N/A	5	36.15
Hs.13742	47.19	chr1	N/A	1	0.00
SHISA3	47.18	chr4	4p13	17	40.88
FGF9	47.16	chr13	13q11-q12	36	71.07
OR1I1	47.16	chr19	19p13.12	6	108.53
CDKN2AIP	47.16	chr4	4q35.1	35	102.01
PDE6D	47.16	chr2	2q35-q36	50	110.90
TCTN1	47.15	chr12	12q24.11	39	83.54
GPRIN2	47.15	chr10	10q11.22	19	194.87
Hs.65839	47.14	chr1	N/A	3	19.46
MED29	47.14	chr19	19q13.2	41	68.17
Hs.733040	47.14	chr12	N/A	12	148.11
PRKCZ	47.14	chr1	1p36.33-p36.2	84	172.09
C8orf49	47.14	chr8	8p23.1	4	34.09
DCUN1D3	47.14	chr16	16p12.3	22	75.42
GRB14	47.13	chr2	2q22-q24	39	77.08
Hs.662387	47.13	chr18	N/A	11	93.45
BPTF	47.13	chr17	17q24.3	132	284.31
NOL8	47.12	chr9	9q22.31	67	91.19
RAB40C	47.11	chr16	16p13.3	40	228.97
FLI1	47.11	chr11	11q24.1-q24.3	60	139.70
Hs.659202	47.11	chr3	N/A	8	147.88
Hs.605035	47.10	chr20	N/A	1	0.00
NPRL3	47.10	chr16	16p13.3	67	116.24
PRF1	47.09	chr10	10q22	31	142.28
YBEY	47.08	chr21	21q22.3	41	84.47
Hs.663233	47.07	chr10	N/A	14	76.91
TIMM10B	47.07	chr11	11p15.4	36	65.26
TMEM132B	47.07	chr12	12q24.31	40	368.82
SHROOM4	47.07	chrX	Xp11.22	30	168.89
DUSP7	47.07	chr3	3p21	44	136.61
SLC7A6OS	47.06	chr16	16q22.1	21	40.90
CCP110	47.06	chr16	16p12.3	41	127.87
LRIG2	47.06	chr1	1p13.1	34	76.09
Hs.613974	47.04	chr9	N/A	3	8.11
Hs.543842	47.04	chr5	N/A	3	4.15
Hs.2389	47.04	chr1	N/A	2	25.44
DHX38	47.04	chr16	16q22	37	110.40
Hs.598944	47.02	chr20	N/A	1	0.00
Hs.595054	47.02	chr12	N/A	3	70.09
RABL2A	47.02	chr2	2q13	47	107.76
CACUL1	47.00	chr10	10q26.11	105	161.52
TOPORS	47.00	chr9	9p21	38	112.51
GPR27	47.00	chr3	3p21-p14	21	118.60
LOC101060062	47.00	chr16	N/A	4	58.83
Hs.708424	46.98	chr1	N/A	7	72.40
HERC2	46.98	chr15	15q13	57	132.38
TMEM199	46.97	chr17	17q11.2	35	75.89
TENM4	46.97	chr11	11q14.1	30	255.75
Hs.604115	46.97	chr9	N/A	3	67.49
Hs.668478	46.95	chr7	N/A	7	113.69

FAM117B	46.94	chr2	2q33.2	43	353.79
Hs.515946	46.93	chr1	N/A	3	28.87
DDB2	46.93	chr11	11p12-p11	30	38.48
ALG12	46.93	chr22	22q13.33	21	104.94
Hs.562490	46.92	chr13	N/A	3	13.10
USP54	46.92	chr10	10q22.2	49	99.95
Hs.541438	46.92	chr2	N/A	3	24.56
SAV1	46.91	chr14	14q13-q23	57	79.04
C3AR1	46.89	chr12	12p13.31	35	77.58
LOC143666	46.89	chr11	11p15.5	3	12.56
TAPBP1	46.89	chr12	12p13.31	26	67.56
C14orf37	46.89	chr14	14q23.1	29	99.67
IGSF5	46.88	chr21	21q22.2	13	99.47
RNF31	46.88	chr14	14q11.2	30	86.17
Hs.438919	46.87	chr11	N/A	8	55.14
GRIK5	46.87	chr19	19q13.2	33	121.68
LOC151009	46.87	chr2	2q13	29	128.44
MAPKBP1	46.86	chr15	15q15.1	51	173.55
WDR7	46.85	chr18	18q21.31	62	114.58
KDM6A	46.85	chrX	Xp11.2	39	156.07
MUM1	46.85	chr19	19p13.3	75	115.47
Hs.536218	46.84	chr11	N/A	21	143.63
PMM2	46.82	chr16	16p13	35	67.88
TERF1	46.81	chr8	8q21.11	116	92.69
MYO1F	46.81	chr19	19p13.3-p13.2	40	118.42
Hs.634052	46.80	chr10	N/A	1	0.00
LPAR5	46.80	chr12	12p13.31	18	125.85
A2ML1	46.78	chr12	12p13.31	22	111.41
ATG4B	46.77	chr2	2q37.3	53	61.69
KCTD6	46.76	chr3	3p14.3	23	103.24
GCHFR	46.76	chr15	15q15	30	37.84
SPSB1	46.76	chr1	1p36.22	38	64.77
Hs.595504	46.76	chr2	N/A	8	118.40
NUDCD2	46.76	chr5	5q34	46	78.13
TMUB2	46.75	chr17	17q21.31	54	86.75
OPA3	46.74	chr19	19q13.32	42	95.21
EXOSC3	46.73	chr9	9p11	34	79.77
KLK9	46.73	chr19	19q13.41	18	91.01
Hs.521030	46.72	chr8	N/A	3	18.53
SERPINF2	46.72	chr17	17p13	37	144.67
NHSL1	46.72	chr6	6q23.3	17	118.85
MERTK	46.72	chr2	2q14.1	52	95.37
SLC35E2	46.72	chr1	1p36.33	31	68.45
Hs.601141	46.72	chr13	N/A	7	60.46
GBP4	46.72	chr1	1p22.2	32	78.04
TRIM16L	46.71	chr17	17p11.2	5	102.81
PAAF1	46.71	chr11	11q13.4	36	98.84
FNIP1	46.70	chr5	5q23.3	60	212.76
HORMAD1	46.70	chr1	1q21.3	38	339.27
SSH1	46.70	chr12	12q24.11	74	129.42
Hs.50802	46.70	chr7	N/A	14	157.16
KRTAP6-3	46.70	chr21	21q22.1	18	86.54
Hs.466529	46.69	chr19	N/A	1	0.00
Hs.723997	46.69	chr10	N/A	8	90.23
CHRD2	46.69	chr11	11q14	32	62.94
APOC4	46.69	chr19	19q13.2	28	141.87
GAB1	46.69	chr4	4q31.21	134	135.73
Hs.657955	46.68	chr4	N/A	8	78.45
MAPK8IP3	46.68	chr16	16p13.3	74	148.12
TMEM18	46.67	chr2	2p25.3	47	75.48
ZNF699	46.67	chr19	19p13.2	8	87.01
ASIP	46.67	chr20	20q11.2-q12	44	175.94
OR8B8	46.66	chr11	11q24.2	19	89.17
MIS18A	46.66	chr21	21q22.11	50	132.92
GBP3	46.66	chr1	1p22.2	33	77.21
SCAPER	46.64	chr15	15q24	56	93.53

WDR33	46.64	chr2	2q14.3	109	163.15
OR52B4	46.63	chr11	11p15.4	5	125.66
AKT3	46.63	chr1	1q44	98	263.49
TMEM198	46.62	chr2	2q35	27	170.00
IQCB1	46.62	chr3	3q21.1	38	91.29
FUZ	46.62	chr19	19q13.33	31	78.10
Hs.541457	46.61	chr2	N/A	3	16.66
PLEK	46.60	chr2	2p13.3	35	89.93
MAGI2-AS3	46.60	chr7	N/A	36	116.24
FBXW2	46.60	chr9	9q34	69	100.07
ADPGK	46.60	chr15	15q24.1	27	69.52
DGKZ	46.59	chr11	11p11.2	46	105.73
AZI1	46.56	chr17	17q25.3	39	111.17
Hs.599742	46.56	chrX	N/A	3	41.61
ELK3	46.54	chr12	12q23	49	113.84
Hs.319477	46.54	chr5	N/A	3	3.67
FBXL7	46.53	chr5	5p15.1	75	143.87
GNA13	46.52	chr17	17q24.3	63	184.59
COL4A5	46.52	chrX	Xq22	66	146.14
Hs.545069	46.51	chr7	N/A	10	81.32
Hs.671166	46.50	chr3	N/A	1	0.00
PLEKHG3	46.50	chr14	14q23.3	47	119.83
Hs.604259	46.50	chr12	N/A	7	214.51
ADAMTSL4	46.49	chr1	1q21.3	74	100.46
Hs.731620	46.48	chr16	N/A	8	101.50
IMMP2L	46.48	chr7	7q31	50	104.73
NUDT5	46.48	chr10	10p14	28	96.58
DNAL4	46.47	chr22	22q13.1	37	142.89
Hs.660169	46.46	chr22	N/A	8	85.35
SH3BP5	46.46	chr3	3p24.3	51	108.81
Hs.538378	46.46	chr10	N/A	3	31.46
IPO4	46.46	chr14	14q12	28	85.45
TTC5	46.45	chr14	14q11.2	26	93.79
NUMB	46.45	chr14	14q24.3	64	147.38
CAPN7	46.44	chr3	3p24	48	116.99
SEH1L	46.44	chr18	18p11.21	62	141.50
OPN5	46.43	chr6	6p12.3	10	149.41
SEMA3G	46.43	chr3	3p21.1	28	57.42
DSG2	46.42	chr18	18q12.1	51	181.88
SOCS3	46.42	chr17	17q25.3	66	121.35
LIAS	46.41	chr4	4p14	42	84.04
HDAC11	46.41	chr3	3p25.1	43	120.80
ASH1L	46.40	chr1	1q22	52	141.57
SEC24B	46.40	chr4	4q25	57	108.22
CSPG4	46.40	chr15	15q24.2	40	77.57
ITPR1	46.37	chr3	3p26.1	40	143.19
SLC37A3	46.37	chr7	7q34	52	108.56
LINC00294	46.36	chr11	11p13	13	108.62
LCE4A	46.36	chr1	1q21.3	13	43.60
DCPS	46.36	chr11	11q24.2	28	48.38
Hs.552119	46.35	chr7	N/A	1	0.00
USPL1	46.35	chr13	13q12-q14	48	114.78
PHF19	46.35	chr9	9q33.2	42	109.90
Hs.736373	46.34	chr14	N/A	3	10.30
BACE2	46.34	chr21	21q22.3	49	57.58
KLHL8	46.34	chr4	4q22.1	44	96.96
HELLS	46.34	chr10	10q24.2	47	212.84
B4GALT7	46.33	chr5	5q35.2-q35.3	33	83.02
Hs.544706	46.33	chr6	N/A	3	20.84
Hs.594784	46.33	chr15	N/A	25	146.53
LOC100506368	46.32	chr11	N/A	4	18.45
Hs.633282	46.31	chr22	N/A	3	13.84
UPRT	46.30	chrX	Xq13.3	36	84.23
MTDH	46.30	chr8	8q22.1	199	132.91
LRRC17	46.30	chr7	7q22.1	47	127.40
Hs.664290	46.29	chr16	N/A	1	0.00

Hs.677046	46.29	chr5	N/A	1	0.00
Hs.555274	46.29	chr1	N/A	1	0.00
RAC3	46.28	chr17	17q25.3	33	183.11
Hs.715147	46.28	chr5	N/A	7	81.48
HSD17B11	46.28	chr4	4q22.1	44	84.48
PYROXD2	46.26	chr10	10q24.2	27	78.95
APOBEC3C	46.26	chr22	22q13.1	32	117.30
Hs.708628	46.26	chr12	N/A	5	112.47
Hs.596944	46.25	chr11	N/A	21	127.53
MYCT1	46.25	chr6	6q25.2	49	119.17
FAM216A	46.24	chr12	12q24.11	37	97.16
KISS1R	46.24	chr19	19p13.3	17	78.76
MED15	46.24	chr22	22q11.2	31	44.49
Hs.601266	46.24	chr3	N/A	10	28.56
SMC3	46.24	chr10	10q25	44	96.66
SEC23B	46.23	chr20	20p11.23	60	120.34
KATNB1	46.23	chr16	16q21	45	152.61
LHPP	46.23	chr10	10q26.13	45	82.13
ZNF747	46.22	chr16	16p11.2	22	108.27
Hs.597332	46.20	chr6	N/A	10	28.25
Hs.663015	46.20	chr11	N/A	1	0.00
Hs.597139	46.20	chr17	N/A	20	110.07
F10	46.19	chr13	13q34	30	58.39
TRIM39	46.19	chr6	6p21.3	39	110.27
Hs.598713	46.19	chr6	N/A	5	60.22
PRPF18	46.18	chr10	10p13	51	78.24
NUMBL	46.18	chr19	19q13.13-q13.2	30	201.39
CDC73	46.17	chr1	1q25	51	97.66
Hs.668178	46.17	chr2	N/A	1	0.00
FBXW9	46.17	chr19	19p13.2	26	120.84
PANK3	46.16	chr5	5q34	75	207.18
ALKBH4	46.16	chr7	7q22.1	21	71.42
ABTB1	46.16	chr3	3q21	43	100.45
MBD1	46.15	chr18	18q21	60	121.20
Hs.664815	46.14	chr3	N/A	1	0.00
XK	46.13	chrX	Xp21.1	30	66.20
Hs.596676	46.13	chr17	N/A	7	104.88
ZNF853	46.09	chr7	7p22.1	27	167.01
Hs.738242	46.09	chr9	N/A	3	9.26
NIPBL	46.09	chr5	5p13.2	100	198.46
ING4	46.08	chr12	12p13.31	33	52.82
Hs.194081	46.07	chr1	N/A	18	69.61
SLC22A17	46.06	chr14	14q11.2	36	113.64
CLIC2	46.06	chrX	Xq28	41	150.60
Hs.733551	46.06	chr4	N/A	8	92.97
ZNF529	46.06	chr19	19q13.13	43	118.04
Hs.653742	46.05	chr5	N/A	7	70.66
PRB4	46.05	chr12	12p13.2	21	91.02
ADORA2A	46.05	chr22	22q11.23	42	99.68
PROSER1	46.05	chr13	13q13.3	52	87.08
Hs.669653	46.04	chr8	N/A	2	96.27
LOC642361	46.04	chr10	10q22.3	14	82.58
NOL9	46.03	chr1	1p36.31	47	73.08
Hs.545644	46.03	chr9	N/A	3	14.12
RAB5C	46.03	chr17	17q21.2	48	76.12
STK11	46.02	chr19	19p13.3	47	84.54
DLG4	46.02	chr17	17p13.1	59	161.23
HIST1H2AM	46.01	chr6	6p22.1	40	115.80
LTV1	46.01	chr6	6q24.2	32	64.52
Hs.540159	46.00	chr15	N/A	3	7.70
Hs.656246	46.00	chr19	N/A	8	69.07
CDK14	45.99	chr7	7q21-q22	59	182.87
Hs.132645	45.98	chr14	N/A	12	67.86
CACNB2	45.98	chr10	10p12	92	102.99
Hs.659638	45.97	chr12	N/A	15	38.48
MED1	45.96	chr17	17q12	69	98.01

PIK3CB	45.96	chr3	3q22.3	44	103.40
Hs.563196	45.96	chr4	N/A	3	8.23
Hs.660803	45.95	chr10	N/A	7	50.46
C1orf63	45.95	chr1	1p36.13-p35.1	58	82.83
ZNF85	45.95	chr19	19p12	48	128.94
MYO6	45.94	chr6	6q13	57	167.92
Hs.545551	45.94	chr8	N/A	3	5.61
KRTAP2-3	45.93	chr17	17q21.2	23	57.42
ABHD11	45.92	chr7	7q11.23	56	92.95
ATP6V1E2	45.91	chr2	2p21	19	172.71
Hs.733336	45.91	chr15	N/A	7	59.28
MAPK10	45.91	chr4	4q22.1-q23	59	197.92
Hs.562367	45.91	chr11	N/A	3	7.15
KLHL34	45.91	chrX	Xp22.12	27	88.35
Hs.510396	45.90	chr14	N/A	7	94.15
PCDH9	45.90	chr13	13q21.32	88	169.41
METTL4	45.90	chr18	18p11.32	29	86.25
GTF2H1	45.90	chr11	11p15.1-p14	45	131.24
Hs.100912	45.89	chr4	N/A	8	65.49
SURF2	45.87	chr9	9q34.2	35	79.31
MED13	45.87	chr17	17q22-q23	77	135.87
C1orf35	45.87	chr1	1q42.13	35	72.06
TRIM4	45.86	chr7	7q22-q31.1	61	121.37
LONRF2	45.85	chr2	2q11.2	41	96.12
Hs.665971	45.84	chr3	N/A	14	93.78
TMEM41A	45.84	chr3	3q27.2	39	126.87
ZDHHC9	45.83	chrX	Xq26.1	57	130.87
APBA3	45.83	chr19	19p13.3	35	98.14
GALK2	45.82	chr15	15q21.1-q21.2	50	120.28
ASUN	45.82	chr12	12p11.23	31	63.99
CLDN14	45.82	chr21	21q22.3	29	145.74
TRIM33	45.82	chr1	1p13.1	98	111.32
SNX21	45.82	chr20	20q13.12	61	91.17
Hs.701243	45.81	chr1	N/A	5	60.74
LZTFL1	45.81	chr3	3p21.3	41	161.27
PKN1	45.81	chr19	19p13.12	39	76.21
TADA1	45.80	chr1	1q24.1	29	68.71
Hs.740613	45.79	chr3	N/A	18	45.22
LRRN4CL	45.79	chr11	11q12.3	7	70.23
MAPKAPK5-AS1	45.78	chr12	12q24.12	54	126.01
Hs.720742	45.77	chr20	N/A	2	0.13
UPK3B	45.77	chr7	7q11.2	37	127.19
MAPK8	45.77	chr10	10q11.22	75	179.97
PTPN18	45.76	chr2	2q21.1	45	79.08
UCHL5	45.75	chr1	1q32	162	51.23
Hs.732052	45.75	chr6	N/A	15	56.77
NDUFA4L2	45.75	chr12	12q13.3	31	81.20
Hs.665246	45.74	chr8	N/A	14	79.51
RARB	45.74	chr3	3p24.2	80	141.75
AKAP9	45.74	chr7	7q21-q22	73	125.16
Hs.545277	45.74	chr8	N/A	3	33.72
Hs.732771	45.73	chr18	N/A	9	93.77
CPSF3	45.73	chr2	2p25.1	19	54.61
RUNDC1	45.72	chr17	17q21.31	30	129.97
USP19	45.70	chr3	3p21.31	28	105.96
PPP4R2	45.70	chr3	3p13	80	143.08
Hs.704021	45.69	chr1	N/A	11	31.17
Hs.592993	45.69	chr19	N/A	3	21.57
Hs.598631	45.69	chr2	N/A	7	112.49
KDM2A	45.69	chr11	11q13.2	68	171.76
Hs.595221	45.68	chr20	N/A	7	64.76
Hs.734513	45.68	chr1	N/A	3	15.30
Hs.135789	45.67	chr20	N/A	2	19.92
ZNF256	45.65	chr19	19q13.43	19	63.73
Hs.525015	45.65	chr11	N/A	11	79.67
Hs.733890	45.65	chr20	N/A	7	84.47

Hs.660224	45.64	chr2	N/A	7	141.78
FAM206A	45.64	chr9	9q31.3	40	71.22
Hs.413397	45.64	chr6	N/A	3	18.43
LIN37	45.63	chr19	19q13.1	28	67.25
WIPF2	45.63	chr17	17q21.2	75	106.29
JHDM1D	45.62	chr7	7q34	40	86.22
SUSD2	45.62	chr22	22q11-q12	32	99.91
SRRD	45.61	chr22	22q12.1	37	47.84
Hs.605886	45.61	chr17	N/A	7	44.62
MARK2	45.59	chr11	11q13.1	51	96.94
HRCT1	45.59	chr9	9p13.3	21	64.90
Hs.541021	45.59	chr18	N/A	3	28.20
LOC100130938	45.59	chr18	18q21.33	10	67.31
KLC4	45.58	chr6	6p21.1	45	196.63
ACVR1B	45.58	chr12	12q13	92	147.75
Hs.308338	45.58	chr9	N/A	2	2.50
Hs.601585	45.58	chr2	N/A	7	33.02
ATP13A3	45.58	chr3	3q29	54	170.23
SMC1A	45.57	chrX	Xp11.22-p11.21	82	129.12
RBMS3	45.56	chr3	3p24-p23	104	148.85
CHMP6	45.55	chr17	17q25.3	31	81.01
CADM2	45.55	chr3	3p12.1	46	382.91
HINT3	45.54	chr6	6q22.32	31	168.09
GPX7	45.54	chr1	1p32	40	59.50
Hs.540005	45.53	chr14	N/A	3	28.38
Hs.566457	45.52	chr6	N/A	7	36.80
DHX29	45.52	chr5	5q11.2	64	93.18
AREL1	45.52	chr14	14q24.3	31	91.63
TNFSF10	45.51	chr3	3q26	96	93.13
ZNF398	45.51	chr7	7q36.1	31	135.65
AP4B1	45.49	chr1	1p13.2	35	96.25
ZNF257	45.48	chr19	19q13	37	162.50
CYB561	45.47	chr17	17q23.3	90	80.84
LLPH	45.47	chr12	12q14.3	32	57.50
ZNF446	45.45	chr19	19q13.43	32	57.11
BEX5	45.45	chrX	Xq22.1	23	228.34
Hs.664410	45.44	chr22	N/A	7	49.51
STMN3	45.44	chr20	20q13.3	52	82.63
OR5B17	45.44	chr11	11q12.1	5	119.00
CFI	45.42	chr4	4q25	49	189.02
HMGB3	45.42	chrX	Xq28	40	135.53
PPARD	45.42	chr6	6p21.2	56	126.36
LOC100132891	45.41	chr8	8q13.3	29	98.38
Hs.734426	45.40	chr20	N/A	1	0.00
MICALL2	45.40	chr7	7p22.3	57	83.46
RNASE10	45.40	chr14	14q11.2	5	68.38
SH2B1	45.39	chr16	16p11.2	35	73.48
SFN	45.39	chr1	1p36.11	42	131.22
Hs.540667	45.38	chr16	N/A	3	16.15
TOR1B	45.38	chr9	9q34	30	76.12
LIMS3	45.38	chr2	2q13	50	100.75
Hs.445378	45.38	chr1	N/A	7	52.73
CCDC111	45.38	chr4	4q35.1	26	69.56
SPPL3	45.37	chr12	12q24.31	63	83.88
Hs.634153	45.36	chr11	N/A	4	17.91
Hs.731885	45.36	chr12	N/A	10	49.53
PRO0628	45.35	chr20	20q12	3	34.08
Hs.577926	45.35	chr13	N/A	3	18.56
FKBP14	45.35	chr7	7p14.3	47	93.51
Hs.732957	45.35	chr11	N/A	1	0.00
MROH6	45.34	chr8	8q24.3	28	59.83
Hs.567001	45.34	chr9	N/A	3	24.15
Hs.670082	45.34	chr9	N/A	2	96.21
MMAB	45.34	chr12	12q24	57	113.39
SSTR3	45.34	chr22	22q13.1	24	94.74
MAN1A2	45.33	chr1	1p13	128	178.03

Hs.568109	45.33	chr7	N/A	7	104.63
MED28	45.32	chr4	4p16	64	107.42
LINC00469	45.31	chr17	17q25.1	13	51.69
IL10RA	45.31	chr11	11q23	47	80.30
Hs.525339	45.31	chr14	N/A	17	105.23
KDELC2	45.31	chr11	11q22.3	26	140.77
OR2T11	45.30	chr1	1q44	8	79.27
AMMECR1L	45.30	chr2	2q21	43	89.18
Hs.151172	45.30	chr19	N/A	5	47.09
CTSS	45.29	chr1	1q21	60	115.63
RGAG1	45.29	chrX	Xq23	18	181.73
Hs.662048	45.29	chr1	N/A	1	0.00
C9orf9	45.28	chr9	9q34	39	72.39
BRSK1	45.28	chr19	19q13.4	19	116.85
KRTAP4-11	45.28	chr17	17q21.2	19	138.83
Hs.683797	45.27	chr11	N/A	10	53.57
GAB2	45.27	chr11	11q14.1	60	116.57
Hs.212476	45.26	chrX	N/A	3	13.97
PCNX	45.26	chr14	14q24.2	68	114.38
Hs.256897	45.25	chr6	N/A	22	272.13
Hs.594783	45.25	chr11	N/A	7	45.52
Hs.66187	45.25	chr2	N/A	28	87.36
SOCS2	45.25	chr12	12q	48	129.36
Hs.708469	45.25	chr15	N/A	7	79.70
TVP23C	45.24	chr17	17p12	48	91.37
PLAGL2	45.24	chr20	20q11.21	50	91.34
Hs.576153	45.23	chr1	N/A	3	1.30
POFUT1	45.23	chr20	20q11	66	162.86
Hs.735209	45.23	chr8	N/A	3	10.47
FGFBP2	45.23	chr4	4p16	27	98.41
Hs.571137	45.23	chr6	N/A	5	40.95
VPS11	45.21	chr11	11q23	40	94.27
Hs.634629	45.20	chr14	N/A	3	12.60
EPC1	45.20	chr10	10p11	90	239.43
Hs.638111	45.20	chr18	N/A	1	0.00
Hs.38533	45.20	chr12	N/A	7	59.58
C16orf95	45.19	chr16	16q24.2	18	78.33
HSDL1	45.19	chr16	16q23.3	31	67.35
GOSR1	45.18	chr17	17q11	70	94.57
TCF7L2	45.18	chr10	10q25.3	111	137.54
PLEKHN1	45.18	chr1	1p36.33	19	202.52
RBKS	45.18	chr2	2p23.3	33	55.52
E2F7	45.17	chr12	12q21.2	24	275.18
SGSM1	45.17	chr22	22q11.23	41	188.92
Hs.683801	45.17	chr19	N/A	1	0.00
WTIP	45.17	chr19	19q13.11	16	112.05
TNFSF13	45.17	chr17	17p13.1	95	115.73
PCSK7	45.16	chr11	11q23-q24	48	101.80
ZNF217	45.16	chr20	20q13.2	42	86.35
CANT1	45.16	chr17	17q25.3	51	124.96
CATSPER2	45.15	chr15	15q15.3	41	234.59
NOSTRIN	45.14	chr2	2q31.1	33	63.58
Hs.660667	45.14	chr3	N/A	1	0.00
Hs.674039	45.13	chr19	N/A	1	0.00
KIF3B	45.13	chr20	20q11.21	61	188.66
PGC	45.12	chr6	6p21.1	41	136.19
ENTHD2	45.12	chr17	17q25.3	31	66.12
CPEB3	45.12	chr10	10q23.32	55	120.24
Hs.668249	45.11	chr11	N/A	1	0.00
GTF3C3	45.11	chr2	2q33.1	58	78.16
PLCXD1	45.11	chrX	Xp22.33; Yp11.32	43	312.95
Hs.740913	45.09	chr2	N/A	3	2.67
RGS7BP	45.09	chr5	5q12.3	23	193.82
ST7-AS1	45.08	chr7	7q31.2	14	34.63
RAPGEF1	45.08	chr9	9q34.3	76	178.24
POSTN	45.08	chr13	13q13.3	40	138.45

CLK1	45.08	chr2	2q33	58	100.03
FICD	45.08	chr12	12q24.1	23	110.99
MRGPRE	45.08	chr11	11p15.4	17	86.56
VPS8	45.07	chr3	3q27.2	64	109.93
DRAXIN	45.07	chr1	1p36.22	31	218.89
Hs.709478	45.05	chr3	N/A	7	56.81
Hs.733885	45.05	chr17	N/A	1	0.00
Hs.576681	45.05	chr10	N/A	3	9.31
UHRF1BP1L	45.05	chr12	12q23.1	54	233.93
TCAIM	45.04	chr3	3p21.31	78	157.86
GTF2H3	45.04	chr12	12q24.31	38	114.37
ARHGAP12	45.04	chr10	10p11.22	46	80.48
THEMIS2	45.04	chr1	1p35.3	48	85.50
VPS37D	45.04	chr7	7q11.23	14	108.61
IFT88	45.04	chr13	13q12.1	45	117.82
Hs.656323	45.03	chr7	N/A	8	108.14
Hs.653990	45.03	chrX	N/A	4	68.35
OTX2	45.03	chr14	14q22.3	32	307.18
SLC39A7	45.03	chr6	6p21.3	36	96.50
RLF	45.02	chr1	1p32	42	96.54
HTATIP2	45.02	chr11	11p15.1	51	96.15
Hs.563223	45.02	chr4	N/A	7	55.85
NPR2	45.02	chr9	9p21-p12	38	76.23
PBX2	45.01	chr6	6p21.3	55	113.26
Hs.584756	45.00	chr1	N/A	10	193.56
SFSWAP	45.00	chr12	12q24.33	42	70.45
PIIP5K2	44.99	chr5	5q21.1	118	54.41
GSTT2B	44.99	chr22	22q11.23	10	61.18
RGPD1	44.99	chr2	2p11.2	64	208.22
NUP54	44.99	chr4	4q21.1	37	80.93
GART	44.98	chr21	21q22.11	78	117.22
Hs.545902	44.98	chr9	N/A	3	18.13
UTP18	44.98	chr17	17q21.33	35	67.82
Hs.47453	44.98	chr5	N/A	3	31.48
CCL7	44.97	chr17	17q11.2-q12	30	260.70
LCN10	44.96	chr9	9q34.3	13	149.61
GZF1	44.95	chr20	20p11.21	44	132.52
SOCS4	44.95	chr14	14q22.1	42	174.93
ARFIP2	44.95	chr11	11p15	30	92.43
Hs.457403	44.94	chr5	N/A	8	136.86
Hs.375067	44.94	chr1	N/A	11	141.52
ZNF665	44.94	chr19	19q13.42	31	117.18
PGM2L1	44.93	chr11	11q13.4	53	276.88
OXNAD1	44.93	chr3	3p25-p24	27	44.61
NPR1	44.93	chr1	1q21-q22	38	72.17
MED7	44.92	chr5	5q33.3	45	86.48
Hs.664829	44.92	chr6	N/A	7	62.90
C1orf162	44.92	chr1	1p13.2	29	131.91
POLR2D	44.91	chr2	2q21	60	117.39
PCED1A	44.91	chr20	20p13	27	178.27
ARHGAP40	44.89	chr20	20q11.23	5	103.57
ISLR2	44.88	chr15	15q24.1	28	176.94
Hs.573996	44.87	chr12	N/A	3	10.85
PCGF1	44.87	chr2	2p13.1	37	64.32
Hs.551137	44.87	chr9	N/A	10	126.43
Hs.710732	44.87	chr19	N/A	5	49.85
Hs.444745	44.87	chr18	N/A	8	100.22
CCDC101	44.87	chr16	16p11.2	42	103.26
MPND	44.85	chr19	19p13.3	27	41.21
PXDC1	44.84	chr6	6p25.2	26	63.72
STAU2-AS1	44.84	chr8	8q21.11	1	0.00
TRIM74	44.84	chr7	7q11.23	25	79.17
SRFBP1	44.83	chr5	5q23.1	23	77.73
CDC25B	44.83	chr20	20p13	45	125.42
DFNA5	44.81	chr7	7p15	30	110.39
GGN	44.81	chr19	19q13.2	29	153.25

SPEF1	44.80	chr20	20pter-q11.23	40	94.42
SNRNP48	44.80	chr6	6p24.3	44	73.80
RRP15	44.79	chr1	1q41	52	101.45
LOC100132363	44.79	chr16	16p13.3	9	63.93
ZNF337	44.79	chr20	20p11.1	45	70.00
SLC25A24	44.79	chr1	1p13.3	40	81.18
BCL2L12	44.78	chr19	19q13.3	42	104.60
SHE	44.78	chr1	1q21.3	33	84.95
PKN3	44.77	chr9	9q34.11	32	148.65
FNTB	44.77	chr14	14q23.3	63	108.18
MKLN1	44.76	chr7	7q32	100	140.77
MYCN	44.75	chr2	2p24.3	72	221.42
TP53I3	44.75	chr2	2p23.3	33	64.29
ECE1	44.73	chr1	1p36.1	51	111.92
XIAP	44.73	chrX	Xq25	53	102.04
ARHGGEF10	44.72	chr8	8p23	87	167.64
MBL2	44.72	chr10	10q11.2	50	190.89
ENKD1	44.70	chr16	16q22.1	24	90.80
FBXO46	44.70	chr19	19q13.3	37	75.51
ENPEP	44.70	chr4	4q25	45	151.79
BBS1	44.70	chr11	11q13	47	122.98
RSU1	44.69	chr10	10p13	71	124.72
RPRD1B	44.68	chr20	20q11.21-q12	63	156.92
PDCD1	44.67	chr2	2q37.3	23	115.89
PLCD1	44.65	chr3	3p22-p21.3	28	56.96
Hs.431550	44.65	chr2	N/A	2	28.20
MITD1	44.64	chr2	2q11.2	19	47.17
ZNF142	44.64	chr2	2q35	35	71.11
ATHL1	44.63	chr11	11p15.5	21	123.96
DMXL1	44.63	chr5	5q22	61	247.47
Hs.583321	44.63	chr7	N/A	3	15.00
PTH1R	44.63	chr3	3p22-p21.1	30	94.18
ATP13A1	44.63	chr19	19p13.11	28	113.48
Hs.732774	44.62	chr3	N/A	7	171.55
MYL5	44.62	chr4	4p16.3	36	58.89
KCNK15	44.62	chr20	20q13.12	32	120.56
Hs.674047	44.60	chr2	N/A	1	0.00
Hs.35953	44.60	chr10	N/A	3	31.03
RCHY1	44.59	chr4	4q21.1	72	110.31
Hs.602553	44.59	chr2	N/A	7	55.03
GGA2	44.59	chr16	16p12	106	87.68
TBC1D9	44.59	chr4	4q31.21	43	89.60
NEIL2	44.59	chr8	8p23.1	27	92.41
TMEM19	44.58	chr12	12q21.1	45	110.74
MARCO	44.56	chr2	2q14.2	30	87.16
NR3C2	44.56	chr4	4q31.1	33	71.93
PIGX	44.56	chr3	3q29	45	177.66
LOC646762	44.56	chr7	7p14.3	12	105.46
HIST1H2AJ	44.55	chr6	6p22.1	31	47.13
PPP1R15B	44.54	chr1	1q32.1	49	137.82
SLC7A7	44.54	chr14	14q11.2	35	87.44
Hs.129196	44.53	chr17	N/A	25	112.67
Hs.672350	44.53	chr22	N/A	1	0.00
COX15	44.53	chr10	10q24	87	118.52
OR5B21	44.53	chr11	11q12.1	8	50.84
PPARA	44.52	chr22	22q13.31	141	150.18
SPANXA2-OT1	44.52	chrX	Xq27.2	13	67.04
SPRY3	44.51	chrX	Xq28 and Yq12	36	257.39
NR3C1	44.51	chr5	5q31.3	115	113.14
Hs.559851	44.50	chr10	N/A	3	12.39
N6AMT2	44.50	chr13	13q12.11	19	81.73
DZIP3	44.50	chr3	3q13.13	83	116.17
Hs.72488	44.49	chr6	N/A	3	13.13
VKORC1L1	44.49	chr7	7q11.21	41	123.77
ZCCHC14	44.49	chr16	16q24.2	56	89.39
TMEM185B	44.48	chr2	2q14.2	49	130.23

C1QTNF9B-AS1	44.47	chr13	13q12	5	43.11
Hs.709866	44.46	chr17	N/A	7	30.42
Hs.171487	44.45	chr18	N/A	8	181.19
Hs.666126	44.45	chr1	N/A	1	0.00
SIAE	44.45	chr11	11q24	42	140.37
Hs.667977	44.44	chr3	N/A	2	100.13
Hs.551361	44.44	chr16	N/A	3	36.85
SCN8A	44.44	chr12	12q13	63	311.83
STYXL1	44.44	chr7	7q11.23	31	92.27
VRK3	44.43	chr19	19q13	61	103.94
TRIM37	44.43	chr17	17q23.2	58	117.58
C19orf68	44.43	chr19	19q13.33	17	137.10
MUM1L1	44.42	chrX	Xq22.3	26	85.81
CASP2	44.42	chr7	7q34-q35	91	173.03
AGRN	44.42	chr1	1p36.33	71	80.37
CHST3	44.42	chr10	10q22.1	35	98.05
KCNQ3	44.42	chr8	8q24	63	249.33
HSF4	44.41	chr16	16q21	45	106.91
ARFGAP1	44.41	chr20	20q13.33	49	88.01
LOC100506748	44.41	chr2	N/A	11	33.83
SCD5	44.40	chr4	4q21.22	70	266.45
HTR2B	44.40	chr2	2q36.3-q37.1	41	216.75
Hs.675921	44.40	chr10	N/A	1	0.00
EFCAB2	44.40	chr1	1q44	64	185.30
TMEM63B	44.39	chr6	6p21.1	30	94.33
CCDC82	44.39	chr11	11q21	60	174.59
BCDIN3D	44.39	chr12	12q13.12	23	114.04
NCAPH2	44.38	chr22	22q13.33	72	114.79
YIPF2	44.38	chr19	19p13.2	48	102.98
Hs.599865	44.36	chr12	N/A	7	38.80
PYGL	44.36	chr14	14q21-q22	49	75.06
DSERG1	44.35	chr9	N/A	5	45.24
DOK1	44.33	chr2	2p13	49	97.45
Hs.633446	44.33	chr4	N/A	3	18.80
SORCS1	44.32	chr10	10q23-q25	33	95.27
Hs.542155	44.31	chr2	N/A	3	17.52
CLASRP	44.31	chr19	19q13.3	52	96.77
Hs.667619	44.31	chr16	N/A	1	0.00
WDFY1	44.31	chr2	2q36.1	46	117.29
Hs.745548	44.30	chr12	N/A	2	54.75
Hs.540915	44.29	chr17	N/A	3	19.76
Hs.594526	44.29	chr7	N/A	7	91.39
U2SURP	44.29	chr3	3q23	66	245.50
ASAP2	44.29	chr2	2p24	42	101.73
KCTD2	44.28	chr17	17q25.1	54	85.46
PPP5C	44.27	chr19	19q13.3	43	103.79
Hs.715047	44.27	chr20	N/A	7	52.96
Hs.708461	44.27	chr20	N/A	8	81.10
APITD1	44.25	chr1	1p36.22	16	80.51
TNKS	44.25	chr8	8p23.1	100	340.51
KMT2A	44.25	chr11	11q23	133	177.59
WDR83	44.24	chr19	19p13.2	19	58.60
NHLRC3	44.24	chr13	13q13.3	72	146.22
PYCR1	44.24	chr17	17q25.3	44	106.82
HIST1H2AE	44.24	chr6	6p22.1	30	92.10
STEAP1B	44.23	chr7	7p15.3	8	63.05
Hs.595920	44.23	chr11	N/A	8	169.34
DIXDC1	44.22	chr11	11q23.1	45	92.56
MFSD6	44.22	chr2	2q32.2	29	95.70
KCNN2	44.21	chr5	5q22.3	31	66.47
Hs.662705	44.20	chr19	N/A	14	126.01
Hs.561110	44.19	chr1	N/A	19	268.03
ZBTB22	44.19	chr6	6p21.3	34	57.75
TFPI	44.19	chr2	2q32	66	125.45
C11orf71	44.18	chr11	11q23.2	39	62.71
CAMKK2	44.18	chr12	12q24.2	98	116.69

Hs.370118	44.18	chr20	N/A	7	37.28
Hs.663957	44.18	chr5	N/A	1	0.00
OSBPL2	44.18	chr20	20q13.3	55	68.06
LOC100507156	44.18	chr8	N/A	1	0.00
NAB2	44.17	chr12	12q13.3	59	105.62
TBC1D3G	44.16	chr17	17q12	3	17.34
VPS13C	44.16	chr15	15q22.2	91	136.75
SRPK2	44.15	chr7	7q22-q31.1	89	259.84
Hs.644730	44.15	chr6	N/A	3	21.65
TMEM8B	44.14	chr9	9p13.3	46	85.09
LRRC4C	44.13	chr11	11p12	18	224.61
ATRN	44.13	chr20	20p13	71	72.77
SWSAP1	44.13	chr19	19p13.2	19	96.17
GRWD1	44.12	chr19	19q13.33	32	127.11
FAM101B	44.12	chr17	17p13	36	87.77
Hs.565320	44.11	chr2	N/A	3	26.61
ANGEL1	44.11	chr14	14q24.3	35	75.03
NOL12	44.11	chr22	22q13.1	34	144.05
Hs.667551	44.10	chr11	N/A	1	0.00
ATXN1	44.10	chr6	6p23	55	116.24
CHST10	44.09	chr2	2q11.2	37	125.03
FECH	44.09	chr18	18q21.3	81	100.43
HAUS7	44.09	chrX	Xq28	39	113.26
Hs.528168	44.09	chr19	N/A	3	4.30
TNR	44.09	chr1	1q24	24	115.17
Hs.727898	44.09	chr20	N/A	2	70.52
LDLRAD4	44.08	chr18	18p11.21	72	150.02
UTP14A	44.08	chrX	Xq26.1	65	96.55
LOC100128893	44.07	chr18	18q11.2	18	76.17
FAM104B	44.06	chrX	Xp11.21	50	74.27
ASTE1	44.05	chr3	3q22.1	28	146.09
SLC37A4	44.05	chr11	11q23.3	35	92.10
RELT	44.03	chr11	11q13.4	45	153.95
PRRT3-AS1	44.03	chr3	N/A	1	0.00
RNASEH2A	44.02	chr19	19p13.2	30	66.75
LMBR1L	44.01	chr12	12q13.12	21	27.32
CLN3	44.01	chr16	16p12.1	100	85.81
SLC39A6	44.01	chr18	18q12.2	50	164.93
Hs.696543	44.00	chr4	N/A	7	68.11
Hs.661112	43.99	chr12	N/A	14	114.31
Hs.386476	43.99	chr19	N/A	8	99.32
EME2	43.99	chr16	16p13.3	19	150.40
UNC93B1	43.98	chr11	11q13	43	250.67
SCT	43.98	chr11	11p15.5	21	190.46
CD79B	43.98	chr17	17q23	38	119.88
CREBL2	43.96	chr12	12p13	57	95.48
RSF1	43.96	chr11	11q14.1	85	178.48
SPTBN2	43.96	chr11	11q13	30	93.35
CEP95	43.95	chr17	17q23.3	55	95.43
OR5L2	43.95	chr11	11q11	23	106.57
Hs.578660	43.95	chr15	N/A	3	7.36
Hs.659695	43.94	chr3	N/A	4	77.41
THRB	43.94	chr3	3p24.2	65	183.32
LPIN2	43.93	chr18	18p11.31	62	112.40
Hs.147725	43.93	chr10	N/A	3	16.40
ZNF503	43.93	chr10	10q22.2	33	90.40
MOXD1	43.93	chr6	6q23.2	28	145.15
ATG16L1	43.93	chr2	2q37.1	51	131.90
GNAZ	43.92	chr22	22q11.22	40	140.90
CREB3L4	43.91	chr1	1q21.3	26	88.60
Hs.545935	43.90	chrX	N/A	3	21.98
Hs.579225	43.90	chr17	N/A	3	25.12
LINC00208	43.90	chr8	8p23.1	11	195.76
OR2M4	43.89	chr1	1q44	10	174.50
FIBIN	43.89	chr11	11p14.2	27	69.38
RIN1	43.89	chr11	11q13.2	34	90.82

Hs.718828	43.89	chr12	N/A	3	9.78
TF	43.89	chr3	3q22.1	101	138.50
KLF7	43.88	chr2	2q32	66	187.13
PHYHD1	43.88	chr9	9q34.11	39	96.18
STAU2	43.88	chr8	8q21.11	97	99.68
Hs.657588	43.87	chr14	N/A	8	73.85
ACTL6B	43.86	chr7	7q22	28	120.03
GRPEL2	43.86	chr5	5q32	37	86.78
GABRD	43.86	chr1	1p36.3	51	163.38
ERI3	43.85	chr1	1p32	48	167.66
NDNL2	43.84	chr15	15q13.1	53	84.75
Hs.569154	43.84	chr12	N/A	3	15.90
ACVRL1	43.84	chr12	12q13.13	67	226.33
Hs.714029	43.83	chr10	N/A	3	3.41
STARD13	43.83	chr13	13q12-q13	73	86.54
SART3	43.83	chr12	12q24.1	58	138.18
GARNL3	43.83	chr9	9q33.3	47	236.46
UNK	43.83	chr17	17q25.1	33	82.44
RRN3	43.81	chr16	16p12	82	184.99
SIRT6	43.81	chr19	19p13.3	29	67.34
CAMK2G	43.80	chr10	10q22	66	77.01
RRP12	43.79	chr10	10q24.1	42	151.55
LOC100288646	43.79	chr1	1p36.33	8	19.59
CYP2U1	43.79	chr4	4q25	53	108.54
DDX28	43.78	chr16	16q22.1	68	98.86
TOR1A	43.78	chr9	9q34	40	85.71
Hs.269011	43.77	chr3	N/A	3	14.21
NIPAL3	43.76	chr1	1p36.12-p35.1	70	118.13
TMEM62	43.75	chr15	15q15.2	22	89.88
THAP1	43.75	chr8	8p11.21	41	62.87
CHM	43.75	chrX	Xq21.2	52	219.26
Hs.666472	43.74	chr12	N/A	8	66.35
CTRC	43.74	chr1	1p36.21	23	84.34
QSER1	43.74	chr11	11p13	54	221.02
ABRACL	43.73	chr6	6q24.1	23	65.18
NOXA1	43.72	chr9	9q34.3	17	40.03
SERPINE1	43.72	chr7	7q22.1	64	105.81
EMX2	43.71	chr10	10q26.1	31	194.90
LTB	43.70	chr6	6p21.3	33	86.04
Hs.732696	43.70	chr11	N/A	1	0.00
SNORD14A	43.69	chr11	11p15	3	20.18
WDR85	43.69	chr9	9q34.3	41	65.56
FAM19A1	43.66	chr3	3p14.1	24	368.64
Hs.547045	43.66	chr4	N/A	1	0.00
AANAT	43.65	chr17	17q25	33	112.23
CCDC146	43.65	chr7	7q11.23	32	157.65
CAPNS2	43.64	chr16	16q12.2	21	100.82
Hs.409220	43.64	chr21	N/A	10	41.30
Hs.602376	43.63	chr13	N/A	2	42.66
Hs.732718	43.63	chr4	N/A	7	39.00
HOGA1	43.62	chr10	10q24.2	24	113.05
C15orf39	43.61	chr15	15q24.2	47	91.55
Hs.568549	43.61	chr1	N/A	6	126.25
RNASEH2B	43.60	chr13	13q14.3	57	77.50
METTL21A	43.59	chr2	2q33.3	54	178.15
Hs.720470	43.59	chr2	N/A	11	71.04
OR5R1	43.59	chr11	11q12.1	5	104.96
LBX2	43.59	chr2	2p13.1	19	167.58
GPR4	43.59	chr19	19q13.3	45	113.54
Hs.176376	43.58	chr4	N/A	11	86.52
TARS2	43.58	chr1	1q21.3	35	73.34
SLC35F5	43.57	chr2	2q14.1	59	127.39
SH2D3C	43.56	chr9	9q34.11	50	148.87
MAU2	43.55	chr19	19p13.11	67	89.50
PIK3R4	43.55	chr3	3q22.1	40	139.95
Hs.734218	43.55	chr1	N/A	1	0.00

ZMYM6NB	43.54	chr1	1p34.3	20	75.53
LPPR2	43.54	chr19	19p13.2	42	117.38
ZNF609	43.54	chr15	15q22.31	47	120.56
SLC27A3	43.54	chr1	1q21.3	35	65.43
Hs.583075	43.53	chr7	N/A	3	24.97
LMBR1	43.52	chr7	7q36	50	95.93
C21orf58	43.52	chr21	21q22.3	41	146.52
ZC4H2	43.52	chrX	Xq11.2	40	85.39
MED31	43.52	chr17	17p13.1	29	120.47
ATP7B	43.52	chr13	13q14.3	33	70.32
ZNF263	43.52	chr16	16p13.3	39	81.22
Hs.363126	43.49	chr7	N/A	3	25.85
RCCD1	43.48	chr15	15q26.1	42	78.76
OXT	43.48	chr20	20p13	23	89.51
SLC22A23	43.48	chr6	6p25.2	69	90.94
GAS5	43.47	chr1	1q25.1	58	110.37
Hs.661385	43.46	chr3	N/A	15	294.42
ARHGAP4	43.45	chrX	Xq28	32	85.56
SSH2	43.45	chr17	17q11.2	58	148.45
Hs.567100	43.45	chr9	N/A	11	80.00
RPS6KA4	43.45	chr11	11q11-q13	36	95.44
Hs.744325	43.45	chr17	N/A	2	49.18
ANKRD27	43.44	chr19	19q13.11	28	37.88
PTH2	43.44	chr19	19q13.33	14	60.75
Hs.439122	43.44	chr1	N/A	14	59.45
Hs.710021	43.43	chr6	N/A	7	133.83
BRWD1	43.43	chr21	21q22.2	134	190.67
TUBE1	43.43	chr6	6q21	64	64.22
OFD1	43.42	chrX	Xp22	41	75.54
GAST	43.41	chr17	17q21	23	113.56
TRIQQ	43.41	chr8	8q22.1	32	105.04
HOXB1	43.41	chr17	17q21.3	23	151.34
SLC45A4	43.41	chr8	8q24.3	50	193.14
TEX264	43.40	chr3	3p21.31	22	82.99
AGPAT5	43.40	chr8	8p23.1	59	328.78
ZDHHC20	43.40	chr13	13q12.11	50	108.32
RNPC3	43.40	chr1	1p21	32	57.74
PRPH	43.39	chr12	12q12-q13	30	117.24
Hs.593564	43.39	chr17	N/A	7	84.94
SAC3D1	43.38	chr11	11q13.1	37	87.51
HIST1H3I	43.37	chr6	6p22.1	28	79.04
TCF20	43.37	chr22	22q13.3	52	116.71
ATF7	43.37	chr12	12q13	50	177.16
Hs.729329	43.37	chr8	N/A	1	0.00
FAM179B	43.36	chr14	14q21.2	37	169.88
USP15	43.35	chr12	12q14	97	120.43
CDX2	43.35	chr13	13q12.3	46	222.85
Hs.595400	43.35	chr8	N/A	16	89.37
SLC35D2	43.34	chr9	9q22.32	36	93.56
PRKAB1	43.33	chr12	12q24.1-q24.3	28	95.19
PRDM4	43.33	chr12	12q23-q24.1	40	78.33
Hs.594273	43.33	chr1	N/A	14	85.63
PXMP4	43.33	chr20	20q11.22	40	123.03
CDK17	43.33	chr12	12q23.1	46	137.51
SS18	43.32	chr18	18q11.2	90	131.17
Hs.545514	43.32	chr8	N/A	3	19.47
LOC79999	43.32	chr17	17p11.2	25	118.58
PEX1	43.32	chr7	7q21.2	37	100.24
FAM174B	43.32	chr15	15q26.1	38	81.73
DOCK6	43.32	chr19	19p13.2	53	101.18
Hs.536992	43.31	chr9	N/A	3	10.03
GFI1B	43.31	chr9	9q34.13	39	111.13
SH3PXD2B	43.30	chr5	5q35.1	36	144.37
Hs.732756	43.30	chrX	N/A	1	0.00
RGS16	43.29	chr1	1q25-q31	53	178.33
PF4	43.29	chr4	4q12-q21	38	156.43

RBM27	43.29	chr5	5q32	38	100.49
KDELR3	43.29	chr22	22q13.1	46	63.50
OR4M1	43.29	chr14	14q11.2	11	129.15
FRMPD3	43.29	chrX	Xq22	16	70.97
Hs.542405	43.28	chr20	N/A	3	11.63
SLC29A2	43.28	chr11	11q13	44	78.94
Hs.167087	43.27	chr3	N/A	4	55.63
Hs.543977	43.27	chr5	N/A	10	141.61
OR7G3	43.27	chr19	19p13.2	15	102.46
SLC12A4	43.26	chr16	16q22.1	57	75.14
LOC100287497	43.26	chr1	1q42.11	2	8.94
RAP1GAP2	43.26	chr17	17p13.3	46	126.47
TMEM64	43.25	chr8	8q21.3	46	113.74
EPS15L1	43.25	chr19	19p13.11	43	106.47
Hs.580204	43.25	chr2	N/A	3	10.67
ALG14	43.24	chr1	1p21.3	28	65.43
PDLIM2	43.24	chr8	8p21.3	45	134.76
SWAP70	43.24	chr11	11p15	66	102.26
UGDH	43.24	chr4	4p15.1	47	143.56
RBM12B	43.22	chr8	8q22.1	48	154.46
OARD1	43.22	chr6	6p21.1	50	92.05
ZNF18	43.21	chr17	17p11.2	16	68.84
Hs.720642	43.21	chr10	N/A	8	72.72
PTPN4	43.21	chr2	2q14.2	80	209.00
TEF	43.21	chr22	22q13.2	60	149.45
CUBN	43.20	chr10	10p12.31	41	501.80
Hs.387867	43.20	chrX	N/A	11	32.63
Hs.253646	43.20	chr19	N/A	1	0.00
EVISL	43.19	chr19	19p13.2	29	129.11
LOC100289361	43.19	chr3	3q23	11	51.93
Hs.562253	43.19	chr10	N/A	1	0.00
FAR1	43.17	chr11	11p15.2	59	187.09
TEX10	43.17	chr9	9q31.1	42	58.58
MDM4	43.17	chr1	1q32	73	268.96
GNB4	43.17	chr3	3q26.33	47	163.26
CCNB3	43.17	chrX	Xp11	39	271.25
FAM83A	43.15	chr8	8q24.13	51	334.63
Hs.657596	43.15	chr1	N/A	1	0.00
SLC7A6	43.14	chr16	16q22.1	46	107.43
KIAA2022	43.13	chrX	Xq13.3	48	353.73
EOGT	43.11	chr3	3p14.1	34	81.30
AFAP1	43.11	chr4	4p16	44	131.60
DND1	43.11	chr5	5q31.3	30	95.79
Hs.541092	43.11	chr18	N/A	3	35.85
Hs.668460	43.11	chr5	N/A	7	74.49
Hs.536748	43.11	chr10	N/A	14	92.52
EHD3	43.11	chr2	2p21	43	124.23
PNPLA5	43.11	chr22	22q13.31	18	100.54
FKRP	43.11	chr19	19q13.32	32	91.57
Hs.135718	43.10	chr14	N/A	10	163.76
Hs.664233	43.10	chr7	N/A	1	0.00
EEFSEC	43.09	chr3	3q21.3	33	186.85
SPINK1	43.09	chr5	5q32	33	212.56
GP2	43.08	chr16	16p12	38	148.04
KIAA1211	43.08	chr4	4q12	61	412.82
PTGIR	43.08	chr19	19q13.3	38	74.26
LINC00441	43.08	chr13	13q14.2	5	66.10
Hs.603012	43.07	chr10	N/A	14	91.47
Hs.602741	43.07	chr8	N/A	14	167.49
Hs.594258	43.06	chr3	N/A	1	0.00
Hs.662253	43.06	chr7	N/A	19	80.73
BLOC1S6	43.04	chr15	15q21.1	63	118.93
ADAMTS10	43.04	chr19	19p13.2	22	250.08
Hs.565446	43.04	chr2	N/A	3	10.98
CHD6	43.04	chr20	20q12	55	121.50
FHL3	43.03	chr1	1p34	28	94.69

Hs.562129	43.03	chr1	N/A	3	31.29
TSC22D4	43.02	chr7	7p21-p15	48	65.38
Hs.707742	43.02	chr1	N/A	34	262.37
PATZ1	43.02	chr22	22q12.2	78	127.68
LNX2	43.02	chr13	13q12.2	29	96.00
HSPB11	43.01	chr1	1p32	47	80.68
LIN7A	43.01	chr12	12q21	38	110.98
Hs.547503	43.00	chr18	N/A	3	25.16
Hs.125695	43.00	chr16	N/A	3	15.63
KAZALD1	43.00	chr10	10q24.31	30	117.74
Hs.663033	43.00	chr10	N/A	18	118.66
GAL3ST3	42.99	chr11	11q13.1	30	132.91
GATC	42.98	chr12	12q24.31	69	177.50
HLA-DQA1	42.97	chr6	6p21.3	121	118.98
OR6N1	42.97	chr1	1q23.1	16	64.32
Hs.18239	42.97	chr5	N/A	17	130.31
DOCK5	42.97	chr8	8p21.2	74	187.68
Hs.562138	42.96	chr1	N/A	3	13.96
Hs.663985	42.95	chr17	N/A	1	0.00
Hs.333084	42.95	chr11	N/A	3	16.51
Hs.559234	42.95	chr16	N/A	3	17.34
LYL1	42.95	chr19	19p13.2	28	135.26
POGLUT1	42.95	chr3	3q13.33	49	125.12
USP38	42.94	chr4	N/A	35	94.84
Hs.582788	42.94	chr6	N/A	3	15.76
KLHL13	42.94	chrX	Xq23-q24	29	124.61
Hs.593408	42.93	chr4	N/A	7	62.30
MECR	42.93	chr1	1p35.3	52	90.49
UPK2	42.93	chr11	11q23	33	114.28
MFS12	42.92	chr19	19p13.3	68	143.38
RCL1	42.92	chr9	9p24.1-p23	50	109.42
HIST1H2BH	42.92	chr6	6p21.3	21	70.18
CXCL6	42.92	chr4	4q13.3	33	292.51
VPS39	42.91	chr15	15q15.1	40	80.82
KBTBD4	42.91	chr11	11p11.2	58	96.12
Hs.656656	42.89	chr3	N/A	2	79.25
SELE	42.89	chr1	1q22-q25	41	139.23
CCL3	42.89	chr17	17q12	30	107.24
DUSP12	42.88	chr1	1q21-q22	50	103.94
AR	42.88	chrX	Xq12	100	80.22
Hs.582419	42.88	chr5	N/A	3	15.70
PRMT3	42.88	chr11	11p15.1	30	95.47
Hs.604968	42.87	chr9	N/A	7	73.65
Hs.663907	42.87	chr7	N/A	21	317.12
TRAF6	42.86	chr11	11p12	64	91.04
ATP9B	42.86	chr18	18q23	56	309.38
Hs.667885	42.86	chr2	N/A	7	66.37
PVR	42.86	chr19	19q13.2	85	187.32
Hs.567506	42.86	chr6	N/A	7	49.04
KLHL22	42.85	chr22	22q11.21	58	150.84
FIZ1	42.85	chr19	19q13.42	27	108.06
TSPAN14	42.85	chr10	10q23.1	61	103.33
CRABP1	42.85	chr15	15q24	50	122.36
Hs.537420	42.84	chr5	N/A	3	23.37
Hs.654855	42.83	chrX	N/A	12	112.46
Hs.660100	42.83	chr8	N/A	1	0.00
Hs.551392	42.83	chr19	N/A	3	15.47
Hs.85888	42.83	chr18	N/A	3	11.17
PLXNB1	42.83	chr3	3p21.31	40	93.14
LOC100506431	42.82	chr6	6p25-p24	1	0.00
ARHGAP26	42.81	chr5	5q31	75	138.53
Hs.676598	42.81	chr8	N/A	1	0.00
SULT6B1	42.80	chr2	2p22.2	3	24.78
Hs.653296	42.80	chr6	N/A	10	31.45
SYDE1	42.79	chr19	19p13.12	43	113.17
DCLK2	42.79	chr4	4q31.3	39	99.88

PLEKHA7	42.79	chr11	11p15.1	37	103.31
RPP30	42.79	chr10	10q23.31	56	108.14
CPSF1	42.79	chr8	8q24.23	42	100.08
SMCR7	42.79	chr17	17p11.2	31	60.55
Hs.409816	42.79	chr10	N/A	8	91.32
IGK	42.78	chr2	2p12	39	188.58
LOC100128843	42.78	chr12	12q24.33	9	33.43
SNTB2	42.78	chr16	16q22.1	88	116.69
CSF3R	42.77	chr1	1p35-p34.3	36	135.15
PPP1R9A	42.77	chr7	7q21.3	54	189.71
ZNF223	42.77	chr19	19q13.2	30	72.94
Hs.668183	42.76	chr16	N/A	2	23.06
SCML1	42.76	chrX	Xp22	43	156.90
FAM35A	42.74	chr10	10q23.2	45	131.89
Hs.667861	42.74	chr1	N/A	7	43.49
CDC42SE1	42.74	chr1	1q21.3	68	80.72
RAB36	42.73	chr22	22q11.22	34	106.58
ZNF627	42.72	chr19	19p13.2	27	75.78
Hs.47068	42.72	chr2	N/A	8	128.72
Hs.660960	42.71	chr12	N/A	8	65.35
Hs.145958	42.71	chr1	N/A	8	118.35
TTL1	42.70	chr22	22q13.1	36	131.53
LOC100129550	42.68	chr3	3q21.1	1	0.00
LMNB2	42.68	chr19	19p13.3	30	118.38
Hs.737804	42.68	chr15	N/A	3	1.50
Hs.480068	42.67	chr4	N/A	4	44.98
Hs.135232	42.67	chr1	N/A	1	0.00
CNOT8	42.66	chr5	5q31-q33	45	78.47
INO80D	42.65	chr2	2q33.3	61	90.34
GPD2	42.65	chr2	2q24.1	58	202.36
LOC100507165	42.65	chr11	N/A	14	48.54
EP300	42.64	chr22	22q13.2	72	174.38
LOC100996664	42.64	chr14	N/A	10	64.16
GALNS	42.63	chr16	16q24.3	35	120.75
FAM179A	42.63	chr2	2p23.2	8	104.91
INADL	42.63	chr1	1p31.3	109	268.29
Hs.665355	42.62	chr13	N/A	1	0.00
NCR2	42.62	chr6	6p21.1	38	177.86
TNFRSF13C	42.62	chr22	22q13.1-q13.31	19	85.66
DLEU1	42.59	chr13	13q14.3	57	89.86
RRNAD1	42.59	chr1	1q23.1	21	86.37
Hs.61103	42.59	chr8	N/A	7	76.88
ARID1B	42.59	chr6	6q25.1	61	103.33
MLLT10	42.58	chr10	10p12	136	200.82
Hs.657948	42.58	chr9	N/A	8	89.94
ZFYVE16	42.58	chr5	5q14	65	170.03
GSDMA	42.58	chr17	17q21.1	21	214.86
Hs.659507	42.58	chr7	N/A	4	38.59
UNC119B	42.57	chr12	12q24.31	28	87.96
Hs.700728	42.56	chr2	N/A	10	216.91
HIST1H2AC	42.55	chr6	6p22.1	46	120.19
USP48	42.55	chr1	1p36.12	102	79.05
Hs.667320	42.55	chr7	N/A	1	0.00
KDM2B	42.54	chr12	12q24.31	53	165.15
Hs.605187	42.54	chr5	N/A	1	0.00
Hs.741279	42.54	chr7	N/A	1	0.00
Hs.566481	42.54	chr6	N/A	3	25.51
Hs.664113	42.53	chr10	N/A	7	150.81
Hs.706101	42.53	chr3	N/A	3	11.57
Hs.666697	42.52	chrX	N/A	3	14.72
Hs.523816	42.52	chr11	N/A	8	90.66
KIAA1522	42.51	chr1	1p35.1	21	58.69
Hs.624034	42.51	chr13	N/A	10	26.11
BRD4	42.50	chr19	19p13.1	82	120.84
Hs.148778	42.50	chr8	N/A	7	73.74
CTNND2	42.50	chr5	5p15.2	60	89.43

ZNF100	42.50	chr19	19p12	36	111.88
Hs.130047	42.49	chr8	N/A	7	73.95
RTN4R	42.49	chr22	22q11.21	38	224.94
SPOPL	42.49	chr2	2q22.1	47	114.64
PLAA	42.48	chr9	9p21	52	93.58
CDHR2	42.48	chr5	5q35.2	21	65.63
REEP3	42.47	chr10	10q21.3	61	126.00
IL15	42.47	chr4	4q31	58	209.63
PDS5A	42.47	chr4	4p14	79	150.54
Hs.597310	42.46	chr6	N/A	3	13.94
ZMYND8	42.46	chr20	20q13.12	160	240.89
DTWD2	42.46	chr5	5q23.1	44	121.03
LOC440157	42.46	chr14	14q11.1	3	18.12
Hs.544076	42.46	chr5	N/A	3	10.62
Hs.163264	42.45	chr18	N/A	3	14.46
PHKG2	42.44	chr16	16p11.2	55	128.00
TRIAP1	42.44	chr12	12q24.31	27	96.03
CLN5	42.43	chr13	13q21.1-q32	57	88.94
ZNF770	42.43	chr15	15q14	38	144.52
ZNF581	42.43	chr19	19q13.42	17	128.50
HYLS1	42.43	chr11	11q24.2	26	84.95
PIGK	42.42	chr1	1p31.1	44	72.69
FAM200B	42.42	chr4	4p15.32	34	111.45
Hs.661577	42.41	chr22	N/A	4	44.61
Hs.701122	42.41	chr11	N/A	11	35.91
Hs.710259	42.40	chr1	N/A	10	37.59
Hs.597159	42.38	chr9	N/A	7	130.97
Hs.586830	42.38	chr14	N/A	8	94.10
PTPN13	42.37	chr4	4q21.3	55	208.44
TNK1	42.37	chr17	17p13.1	36	184.22
LOC100506813	42.36	chr22	N/A	1	0.00
PLCG1	42.36	chr20	20q12-q13.1	58	108.09
MOGAT3	42.36	chr7	7q22.1	17	84.81
Hs.143134	42.36	chr1	N/A	4	105.28
Hs.130964	42.35	chr17	N/A	6	93.73
EML2	42.35	chr19	19q13.32	48	89.05
PTPRA	42.35	chr20	20p13	92	93.56
MS4A7	42.34	chr11	11q12	46	67.60
SSBP3	42.34	chr1	1p32.3	69	162.14
LOC100506299	42.33	chr2	N/A	11	56.54
Hs.721152	42.32	chr3	N/A	3	31.47
C11orf95	42.32	chr11	11q13	35	76.10
NAGA	42.31	chr22	22q11	47	109.35
ZFYVE26	42.30	chr14	14q24.1	58	91.92
Hs.544211	42.30	chr5	N/A	3	32.13
RRP7A	42.30	chr22	22q13.2	57	140.28
L3HYPDH	42.29	chr14	14q23.1	29	73.28
TAS1R1	42.29	chr1	1p36.23	35	143.75
Hs.402146	42.29	chr1	N/A	3	5.64
Hs.566359	42.29	chr5	N/A	3	12.35
PPP2R1B	42.29	chr11	11q23.2	131	219.67
CLPS	42.29	chr6	6p21.31	29	85.26
Hs.644033	42.28	chr17	N/A	4	46.43
EPHB1	42.25	chr3	3q21-q23	78	299.33
C20orf27	42.25	chr20	20p13	35	123.30
ZNF709	42.25	chr19	19p13.2	39	109.16
SMYD5	42.24	chr2	2p13.2	30	77.29
OR6K6	42.24	chr1	1q23.1	8	162.55
MZT1	42.23	chr13	13q22.1	36	68.12
ABHD17C	42.23	chr15	15q25.1	30	124.34
WDR3	42.23	chr1	1p12	38	65.57
CLCC1	42.23	chr1	1p13.3	60	67.09
HDGFRP2	42.22	chr19	19p13.3	20	74.01
FOXRED1	42.20	chr11	11q24.2	27	112.70
Hs.50272	42.20	chr14	N/A	7	63.51
VCPIP1	42.19	chr8	8q13	29	132.46

TBCK	42.18	chr4	4q24	31	137.09
Hs.596083	42.18	chr18	N/A	8	54.07
Hs.656084	42.18	chr9	N/A	17	172.57
Hs.584251	42.18	chr9	N/A	3	8.67
TRIM45	42.17	chr1	1p13.1	46	77.12
AGAP1	42.17	chr2	2q37	64	126.11
ZNF843	42.17	chr16	16p11.2	15	54.49
ALDOB	42.16	chr9	9q21.3-q22.2	84	205.92
Hs.574766	42.16	chr2	N/A	3	27.51
PCBD2	42.15	chr5	5q31.1	32	67.42
Hs.551942	42.15	chr15	N/A	3	24.76
NUBP2	42.15	chr16	16p13.3	28	109.79
RNASE6	42.13	chr14	14q11.2	30	63.94
MEGF8	42.13	chr19	19q12	49	99.63
DCUN1D1	42.13	chr3	3q26.3	75	101.46
SHB	42.12	chr9	9p13.2	75	109.90
ADAM21	42.12	chr14	14q24.1	24	77.34
HIST2H2AB	42.12	chr1	1q21	28	89.55
Hs.657055	42.12	chr4	N/A	10	154.31
KCNC3	42.12	chr19	19q13.33	25	76.89
SNX30	42.12	chr9	9q32	6	93.71
EED	42.11	chr11	11q14.2-q22.3	46	69.03
RTF1	42.10	chr15	15q15.1	44	91.27
RHBDD1	42.10	chr2	2q36.3	70	114.25
Hs.738202	42.10	chr12	N/A	3	32.01
NEDD4L	42.09	chr18	18q21	107	93.18
MAK16	42.08	chr8	8p12	23	63.97
PLAUR	42.08	chr19	19q13	68	141.99
ZBTB11	42.08	chr3	3q12.3	40	99.19
MMP14	42.07	chr14	14q11-q12	45	179.94
DGKA	42.07	chr12	12q13.3	63	275.34
RANGAP1	42.07	chr22	22q13	62	126.21
CCDC28B	42.07	chr1	1p36.11-p34.2	43	86.75
Hs.597675	42.07	chr1	N/A	15	142.22
METTL3	42.06	chr14	14q11.1	32	96.25
Hs.744354	42.06	chr7	N/A	7	147.21
NDST1	42.06	chr5	5q33.1	63	103.13
PTPRU	42.05	chr1	1p35.3	35	92.46
SAAL1	42.05	chr11	11p15.1	33	82.03
HSPA14	42.04	chr10	10p13	46	95.82
NMNAT3	42.04	chr3	3q23	34	101.71
FAM98C	42.02	chr19	19q13.2	34	84.27
METTL14	42.02	chr4	4q26	23	85.53
SNORD68	42.02	chr16	16q24.3	3	13.65
Hs.586443	42.01	chr9	N/A	8	123.55
TBPL1	42.01	chr6	6q22.1-q22.3	30	110.93
FANCL	42.01	chr2	2p16.1	33	76.46
Hs.616282	42.00	chr19	N/A	10	29.27
TTC17	42.00	chr11	11p11.2	97	89.12
CEP290	42.00	chr12	12q21.32	63	251.41
Hs.543854	41.99	chr5	N/A	3	43.54
TCF21	41.98	chr6	6q23-q24	58	107.98
LARP4	41.98	chr12	12q13.12	91	137.54
KIAA2026	41.98	chr9	9p24.1	34	127.46
SHC2	41.98	chr19	19p13.3	28	97.83
STEAP3	41.98	chr2	2q14.2	53	89.77
Hs.135690	41.98	chr11	N/A	15	69.06
BRD1	41.98	chr22	22q13.33	39	63.78
STK33	41.98	chr11	11p15.3	32	74.30
CST4	41.97	chr20	20p11.21	14	82.84
Hs.579714	41.97	chr19	N/A	3	21.31
PCF11	41.97	chr11	11q13	59	110.97
GCLM	41.97	chr1	1p22.1	52	93.43
FLJ46300	41.95	chr10	10q26.3	3	5.73
NF1	41.94	chr17	17q11.2	120	199.88
CPNE8	41.94	chr12	12q12	56	134.35

PLCB4	41.94	chr20	20p12	85	90.25
Hs.658163	41.92	chr2	N/A	2	121.17
Hs.663281	41.92	chr6	N/A	8	74.60
BCAS4	41.91	chr20	20q13.13	47	93.36
SMARCB1	41.91	chr22	22q11	63	94.86
MED11	41.91	chr17	17p13.2	31	82.42
IL15RA	41.90	chr10	10p15.1	45	63.60
ASTN2	41.90	chr9	9q33.1	52	84.15
Hs.602950	41.90	chr5	N/A	2	23.81
Hs.580596	41.89	chr2	N/A	3	23.12
EDN1	41.89	chr6	6p24.1	48	51.18
PDE8B	41.89	chr5	5q13.3	51	74.86
Hs.578915	41.89	chr16	N/A	3	35.36
TXNDC11	41.89	chr16	16p13.13	50	85.18
TMEM39A	41.88	chr3	3q13.33	58	119.44
MAP4K2	41.88	chr11	11q13	47	131.59
RBMX2	41.88	chrX	Xq26.1	40	53.69
VPS37B	41.88	chr12	12q24.31	35	112.83
PPME1	41.88	chr11	11q13.4	53	147.07
SLC26A11	41.87	chr17	17q25.3	25	79.02
Hs.707825	41.87	chr21	N/A	5	60.10
CLCNKA	41.86	chr1	1p36	30	99.01
FLJ42969	41.86	chr8	8q22.3	3	9.66
PRRC2B	41.86	chr9	9q34.13	63	109.12
HIRA	41.85	chr22	22q11.21	64	65.81
P2RY2	41.85	chr11	11q13.5-q14.1	39	88.53
C17orf62	41.85	chr17	17q25.3	28	87.32
Hs.732462	41.85	chr6	N/A	14	93.56
GEMIN6	41.84	chr2	2p22.1	21	71.43
RABEP2	41.84	chr16	16p11.2	48	203.54
SLC17A5	41.83	chr6	6q13	22	79.94
CNPY4	41.83	chr7	7q22.1	40	125.58
ZNF671	41.83	chr19	19q13.43	28	66.66
ARID5A	41.83	chr2	2q11.2	44	98.39
FKBP7	41.82	chr2	2q31.2	29	70.66
IL20RB	41.81	chr3	3q22.3	19	206.82
LARS2	41.81	chr3	3p21.3	42	79.27
Hs.673907	41.80	chr18	N/A	1	0.00
OR1L8	41.80	chr9	9q33.2	8	67.41
Hs.46506	41.80	chr13	N/A	11	52.63
RABL2B	41.79	chr22	22q13.33	25	82.69
MST1L	41.79	chr1	1p36.13	45	187.07
Hs.578316	41.79	chr14	N/A	3	12.03
PIAS3	41.79	chr1	1q21	37	48.68
DALRD3	41.78	chr3	3p21.31	31	123.09
Hs.443736	41.78	chr5	N/A	11	203.37
SOCS5	41.78	chr2	2p21	73	110.14
Hs.667657	41.78	chr2	N/A	3	55.49
Hs.599818	41.77	chr10	N/A	7	70.46
NEO1	41.76	chr15	15q22.3-q23	39	91.39
OR13C3	41.76	chr9	9q31.1	5	101.08
CYP2A6	41.75	chr19	19q13.2	49	127.14
GLRB	41.75	chr4	4q31.3	50	108.47
RAP2C	41.75	chrX	Xq25	56	152.28
Hs.677239	41.75	chr6	N/A	1	0.00
SPATA25	41.74	chr20	20q13.12	19	167.10
DHX37	41.74	chr12	12q24.31	30	119.46
GNPTAB	41.74	chr12	12q23.2	72	118.54
ANKFY1	41.73	chr17	17p13.3	46	82.31
Hs.564191	41.72	chr11	N/A	3	40.83
EMID1	41.71	chr22	22q12.2	45	192.66
HNF1A	41.71	chr12	12q24.2	39	137.49
DIP2B	41.71	chr12	12q13.12	69	147.86
NYX	41.71	chrX	Xp11.4	22	100.59
OLFM1	41.71	chr9	9q34.3	78	123.65
MAP3K4	41.71	chr6	6q26	47	101.08

Hs.599737	41.70	chr3	N/A	7	46.18
MSL3	41.70	chrX	Xp22.3	62	116.40
C12orf65	41.70	chr12	12q24.31	57	158.12
Hs.130664	41.70	chr6	N/A	3	30.18
Hs.741326	41.70	chr21	N/A	7	38.62
LGALS1	41.69	chr2	2p14	31	107.70
ZBTB9	41.69	chr6	6p21.32	28	168.07
PLEKHF2	41.68	chr8	8q22.1	39	52.82
BBS4	41.68	chr15	15q22.3-q23	54	65.90
IL17RC	41.67	chr3	3p25.3-p24.1	57	181.05
Hs.576957	41.67	chr11	N/A	3	9.02
MCU	41.66	chr10	10q22.1	29	91.59
SYTL2	41.65	chr11	11q14	82	252.29
PLK3	41.65	chr1	1p34.1	38	83.47
Hs.583454	41.65	chr7	N/A	3	53.01
ST6GALNAC5	41.64	chr1	1p31.1	30	319.23
MTRF1	41.63	chr8	8q13.1	52	112.57
GFOD2	41.63	chr16	16q22.1	40	148.07
PPAPDC1B	41.63	chr8	8p11.23	49	184.64
TMEM170A	41.63	chr16	16q23.1	64	71.05
Hs.577495	41.63	chr12	N/A	3	8.73
SIMC1	41.63	chr5	5q35.2	42	130.42
Hs.637018	41.62	chr7	N/A	10	31.84
GNPDA2	41.62	chr4	4p12	48	88.01
LOC729683	41.62	chr17	17q23.3	6	106.89
DHDDS	41.61	chr1	1p36.11	62	123.29
LMNB1	41.60	chr5	5q23.2	30	160.60
RNF144A	41.60	chr2	2p25.2	43	129.89
RECQL	41.60	chr12	12p12	55	168.85
Hs.564542	41.60	chr13	N/A	3	15.90
ZNF160	41.59	chr19	19q13.42	88	168.01
ACRV1	41.59	chr11	11q24.2	61	108.89
Hs.602887	41.59	chr2	N/A	3	26.79
Hs.709599	41.58	chr10	N/A	3	34.49
NDNF	41.58	chr4	4q27	28	76.99
LOC100506369	41.58	chr21	N/A	8	53.56
LINC00339	41.58	chr1	1p36.12	25	95.03
HBM	41.57	chr16	16p13.3	18	78.45
GABPA	41.57	chr21	21q21.3	47	145.84
TMEM51	41.57	chr1	1p36.21	25	114.48
WDR11	41.56	chr10	10q26	40	72.76
GEMIN5	41.56	chr5	5q33.2	39	118.90
DEAF1	41.53	chr11	11p15.5	67	119.75
Hs.535701	41.53	chr3	N/A	3	11.68
NMRK1	41.53	chr9	9q21.13	29	54.58
LINC00263	41.53	chr10	10q24.31	11	31.99
ZNF764	41.52	chr16	16p11.2	41	110.40
NR2C1	41.52	chr12	12q22	70	116.97
CLIP2	41.51	chr7	7q11.23	36	94.38
NFX1	41.51	chr9	9p13.3	62	87.53
Hs.669982	41.51	chr16	N/A	1	0.00
Hs.634276	41.50	chr6	N/A	5	60.43
MBP	41.50	chr18	18q23	111	173.83
F11R	41.49	chr1	1q21.2-q21.3	51	119.84
PAXIP1	41.48	chr7	7q36	44	68.08
OGFRL1	41.48	chr6	6q13	36	127.63
LOC100506603	41.47	chr14	N/A	21	131.04
ABTB2	41.46	chr11	11p13	52	86.58
ADC	41.46	chr1	1p35.1	30	223.95
Hs.732778	41.46	chr11	N/A	7	92.87
PDE1C	41.46	chr7	7p14.3	51	93.72
FGR	41.45	chr1	1p36.2-p36.1	56	97.03
SH2D5	41.43	chr1	1p36.12	44	220.93
FAM104A	41.42	chr17	17q25.1	57	125.14
STAT5A	41.41	chr17	17q11.2	40	105.64
TREX1	41.41	chr3	3p21.31	42	133.06

Hs.597222	41.41	chr11	N/A	7	56.90
Hs.656177	41.41	chr2	N/A	4	63.98
Hs.706546	41.40	chr5	N/A	7	71.02
ANKRD23	41.39	chr2	2q11.2	40	98.63
NANOS1	41.39	chr10	10q26.11	43	94.79
DEFA3	41.39	chr8	8p23.1	13	52.10
Hs.580671	41.39	chr20	N/A	3	7.64
PSPC1	41.39	chr13	13q12.11	51	64.66
Hs.675021	41.38	chr10	N/A	13	73.14
Hs.566787	41.38	chr7	N/A	3	16.67
CRNN	41.38	chr1	1q21	20	80.79
SENP3	41.37	chr17	17p13	49	101.77
Hs.607831	41.37	chr16	N/A	1	0.00
FES	41.36	chr15	15q26.1	28	89.52
Hs.614518	41.35	chr5	N/A	3	6.42
LOC100996615	41.35	chr7	N/A	10	13.34
Hs.603774	41.35	chr19	N/A	3	20.74
NCOA5	41.35	chr20	20q12-q13.12	51	142.24
RGMB	41.34	chr5	5q15	44	102.39
Hs.552354	41.34	chr12	N/A	3	16.51
Hs.386267	41.34	chr1	N/A	8	140.47
RAB11B	41.33	chr19	19p13.2	40	84.60
RAB11FIP2	41.33	chr10	10q26.11	55	104.87
RHOJ	41.33	chr14	14q23.2	82	94.97
CCDC61	41.32	chr19	19q13.32	15	70.17
KIAA0040	41.32	chr1	1q24-q25	44	120.41
OR1B1	41.32	chr9	9q33.2	5	107.76
PDCD2	41.31	chr6	6q27	81	130.14
SECTM1	41.31	chr17	17q25	50	74.03
MANSC1	41.31	chr12	12p13.2	24	70.22
Hs.745074	41.30	chr3	N/A	7	65.61
OGFOD2	41.30	chr12	12q24.31	38	150.80
RASA1	41.30	chr5	5q13.3	64	103.30
Hs.569510	41.30	chr15	N/A	1	0.00
C6orf70	41.29	chr6	6q27	35	43.75
SRGAP2C	41.28	chr1	1p11.2	29	53.70
SGIP1	41.28	chr1	1p31.3	55	221.69
Hs.518326	41.28	chr3	N/A	1	0.00
PKMYT1	41.28	chr16	16p13.3	50	127.30
HOXC9	41.27	chr12	12q13.3	26	130.98
LOC441155	41.27	chr6	6q12	20	86.54
KIAA1598	41.27	chr10	10q25.3	38	273.41
SH3BGRL2	41.27	chr6	6q14.1	54	88.84
Hs.137598	41.26	chr9	N/A	5	48.54
Hs.663504	41.26	chr6	N/A	7	162.72
SYT11	41.26	chr1	1q21.2	72	197.63
TRIP11	41.26	chr14	14q31-q32	60	103.39
DEPTOR	41.25	chr8	8q24.12	34	101.67
ZNF75A	41.25	chr16	16p13.3	39	142.26
FBXW12	41.25	chr3	3p21.31	15	261.37
TECPR2	41.25	chr14	14q32.31	61	94.71
GHR	41.25	chr5	5p13-p12	59	108.45
Hs.157771	41.24	chr5	N/A	3	32.78
WDR62	41.24	chr19	19q13.12	45	141.48
SLC35C1	41.23	chr11	11p11.2	29	62.56
Hs.602482	41.23	chr2	N/A	7	65.33
PCDHB13	41.22	chr5	5q31	32	129.25
ALG1	41.22	chr16	16p13.3	52	111.14
USP35	41.22	chr11	11q14.1	16	32.55
ZNRD1-AS1	41.22	chr6	6p22.1	33	232.35
Hs.700844	41.21	chr17	N/A	7	71.87
XCR1	41.21	chr3	3p21.3	27	97.41
Hs.412543	41.20	chr17	N/A	3	10.44
PCDH7	41.20	chr4	4p15	87	248.80
Hs.432581	41.19	chr4	N/A	3	19.32
PYCARD	41.19	chr16	16p11.2	24	74.43

Hs.592539	41.18	chr16	N/A	1	0.00
GNG13	41.18	chr16	16p13.3	21	85.08
PRKD3	41.17	chr2	2p21	90	143.83
Hs.528628	41.16	chr9	N/A	18	87.40
PCDH17	41.16	chr13	13q21.1	56	99.63
LOC389791	41.16	chr9	9q34.11	13	63.48
PTBP3	41.16	chr9	9q32	86	111.55
CHKA	41.16	chr11	11q13.2	64	128.94
Hs.655712	41.15	chr2	N/A	7	153.82
TELO2	41.14	chr16	16p13.3	49	119.61
IRS1	41.14	chr2	2q36	48	87.52
HMGXB4	41.13	chr22	22q13.1	45	104.72
GIT2	41.13	chr12	12q24.1	84	168.22
SLC35E2B	41.13	chr1	1p36.33	52	150.49
CSF2RB	41.12	chr22	22q13.1	43	156.89
Hs.664574	41.11	chr1	N/A	1	0.00
DGAT2	41.11	chr11	11q13.5	37	92.93
RCBTB2	41.11	chr13	13q14.3	34	104.72
ASB3	41.10	chr2	2p16.2	57	80.78
WDR19	41.09	chr4	4p14	50	200.23
EBF2	41.09	chr8	8p21.2	45	124.60
Hs.616128	41.09	chr1	N/A	3	4.49
ZNF271	41.08	chr18	18q12	34	76.04
NXPH4	41.08	chr12	12q13.3	42	128.16
HOXD-AS1	41.08	chr2	2q31.2	37	193.68
Hs.546003	41.08	chrX	N/A	3	41.65
RALGPS1	41.07	chr9	9q33.3	58	337.02
TPRA1	41.07	chr3	3q21.2	28	58.33
LOC100130990	41.06	chr5	5q11.2	2	101.89
SERPINC1	41.05	chr1	1q25.1	31	203.19
Hs.662620	41.04	chr1	N/A	7	43.09
CDC25A	41.04	chr3	3p21	65	167.02
RNF111	41.04	chr15	15q21	49	113.69
Hs.732063	41.03	chr7	N/A	7	103.37
Hs.58068	41.03	chr2	N/A	11	135.45
E2F6	41.03	chr2	2p25.1	63	84.98
ARR3	41.03	chrX	Xcen-q21	30	140.16
LNPEP	41.02	chr5	5q15	100	143.79
RBL2	41.02	chr16	16q12.2	42	98.90
HS6ST1	41.02	chr2	2q21	55	131.17
BMPR1A	41.01	chr10	10q22.3	76	113.03
HS3ST4	41.01	chr16	16p11.2	39	250.91
ESR1	41.01	chr6	6q25.1	128	327.78
TOLLIP	40.99	chr11	11p15.5	55	201.43
Hs.665944	40.98	chr2	N/A	2	49.93
CEP192	40.98	chr18	18p11.21	50	83.89
PIP4K2A	40.97	chr10	10p12.2	81	187.65
C9orf152	40.97	chr9	9q31.3	8	122.92
FAM27C	40.97	chr9	9p11.2	7	13.89
Hs.564276	40.97	chr11	N/A	3	17.35
Hs.708604	40.96	chr1	N/A	1	0.00
DNAJC17	40.96	chr15	15q15.1	23	98.56
Hs.554411	40.96	chr12	N/A	1	0.00
PAPSS2	40.93	chr10	10q24	67	93.70
CTLA4	40.93	chr2	2q33	45	377.25
Hs.722480	40.93	chr8	N/A	7	60.94
Hs.734389	40.93	chr19	N/A	7	62.91
Hs.666863	40.93	chr2	N/A	14	107.13
Hs.658088	40.92	chr16	N/A	1	0.00
SLC39A4	40.91	chr8	8q24.3	44	122.22
Hs.580844	40.91	chr21	N/A	3	22.27
ACTR8	40.90	chr3	N/A	41	84.11
POMZP3	40.89	chr7	7q11.23	52	99.98
DVL2	40.89	chr17	17p13.1	45	84.01
Hs.475950	40.89	chr3	N/A	3	2.99
Hs.561144	40.89	chr3	N/A	3	30.08

GPATCH8	40.88	chr17	17q21.31	54	78.48
RAB23	40.88	chr6	6p11	40	133.95
JAK3	40.88	chr19	19p13.1	67	138.84
Hs.400751	40.87	chr7	N/A	3	34.32
RNF135	40.87	chr17	17q11.2	50	169.58
PRPS2	40.87	chrX	Xp22.2	44	198.22
ZNF33B	40.86	chr10	10q11.2	41	108.01
TBRG1	40.86	chr11	11q24.2	77	84.05
Hs.731737	40.86	chr3	N/A	18	78.41
Hs.574099	40.86	chr13	N/A	3	3.46
FLAD1	40.86	chr1	1q21.3	63	117.75
C5AR2	40.85	chr19	19q13.33	18	91.53
NME6	40.84	chr3	3p21	33	72.93
GPATCH4	40.84	chr1	1q22	52	92.27
SNX15	40.84	chr11	11q12	43	97.75
Hs.574713	40.83	chr2	N/A	3	9.99
JOSD2	40.83	chr19	19q13.33	26	57.38
Hs.580182	40.83	chr2	N/A	3	13.48
Hs.513108	40.82	chr1	N/A	3	18.56
Hs.46839	40.82	chrX	N/A	6	71.24
Hs.577755	40.81	chr12	N/A	3	9.01
Hs.593071	40.81	chr10	N/A	22	193.72
C17orf75	40.81	chr17	17q11.2	47	66.61
KHNYN	40.80	chr14	14q12	42	77.65
Hs.580914	40.80	chr21	N/A	3	22.93
Hs.653282	40.79	chr22	N/A	8	110.20
APBB2	40.79	chr4	4p13	98	122.94
Hs.480465	40.78	chr4	N/A	7	62.99
MRC1	40.78	chr10	10p12.33	33	75.11
Hs.550382	40.77	chr2	N/A	3	38.90
STEAP2	40.77	chr7	7q21.13	36	98.06
EXOSC5	40.77	chr19	19q13.1	28	99.48
LYRM7	40.76	chr5	5q23.3	73	89.48
SLC4A2	40.76	chr7	7q36.1	37	125.44
Hs.658131	40.76	chr19	N/A	2	109.34
PLAGL1	40.76	chr6	6q24-q25	40	92.38
MIR497HG	40.76	chr17	17p13.1	1	0.00
ZNF317	40.76	chr19	19p13	29	73.31
LINC00623	40.75	chr1	1q21.1	17	63.65
PCIF1	40.74	chr20	20q13.12	46	80.08
Hs.709396	40.74	chr10	N/A	7	111.26
MAML1	40.74	chr5	5q35	50	91.49
Hs.454935	40.74	chr2	N/A	3	22.28
HERPUD2	40.73	chr7	7p14.2	38	98.34
HSPA12A	40.73	chr10	10q26.12	46	192.34
FOSL2	40.72	chr2	2p23.3	99	161.53
ZNF630	40.72	chrX	Xp11.3-p11.1	29	49.54
ARHGAP44	40.71	chr17	17p12	45	124.99
Hs.675300	40.71	chr1	N/A	1	0.00
PAX4	40.71	chr7	7q32	40	84.58
Hs.712952	40.71	chr12	N/A	7	34.51
CD40	40.71	chr20	20q12-q13.2	82	158.38
Hs.673552	40.70	chr14	N/A	1	0.00
NABP2	40.70	chr12	12q13.3	31	87.08
CLEC16A	40.69	chr16	16p13.13	49	170.46
Hs.661391	40.69	chr19	N/A	7	44.94
Hs.596910	40.69	chr18	N/A	1	0.00
CSF3	40.67	chr17	17q11.2-q12	36	430.71
Hs.650487	40.67	chr11	N/A	3	20.31
UBL7	40.66	chr15	15q24.1	29	89.81
PPP1R1C	40.66	chr2	2q31.3	33	110.96
SIGLEC16	40.66	chr19	19q13.33	4	58.16
TROAP	40.65	chr12	12q13.12	31	80.47
Hs.119334	40.65	chr16	N/A	1	0.00
RAB3IP	40.64	chr12	12q15	71	111.23
SVIP	40.64	chr11	11p14.2	30	107.41

Hs.626055	40.64	chr3	N/A	3	16.34
SHMT1	40.64	chr17	17p11.2	73	186.01
NOL4	40.63	chr18	18q12	54	558.23
NAT16	40.63	chr7	7q22.1	11	107.47
Hs.27278	40.63	chr10	N/A	41	144.41
UHRF2	40.63	chr9	9p24.1	52	109.13
Hs.130937	40.61	chr15	N/A	14	71.15
Hs.732399	40.61	chr1	N/A	5	53.85
GLT8D1	40.60	chr3	3p21.1	44	88.97
OR1D2	40.60	chr17	17p13.3	21	68.95
Hs.583367	40.60	chr7	N/A	3	24.74
LOC100506926	40.59	chr6	N/A	3	155.14
CXCL14	40.57	chr5	5q31	51	88.73
SLC5A6	40.56	chr2	2p23	49	167.27
Hs.553161	40.56	chr9	N/A	3	50.98
CDK11A	40.56	chr1	1p36.33	53	109.61
DENND4C	40.56	chr9	9p22.1	61	113.74
MOSPD3	40.56	chr7	7q22	38	115.07
Hs.669096	40.54	chr3	N/A	1	0.00
Hs.572393	40.54	chr16	N/A	7	60.17
EFTUD1	40.54	chr15	15q25.2	48	86.32
Hs.611754	40.54	chr8	N/A	3	20.58
JARID2	40.54	chr6	6p24-p23	38	78.22
Hs.640568	40.53	chr18	N/A	3	19.10
Hs.661400	40.53	chr13	N/A	21	137.97
Hs.652524	40.53	chr10	N/A	9	85.05
Hs.658952	40.53	chr19	N/A	9	85.23
CTU2	40.53	chr16	16q24.3	34	223.92
Hs.665295	40.52	chr14	N/A	20	149.00
Hs.579013	40.52	chr16	N/A	3	12.02
Hs.413238	40.52	chr7	N/A	14	72.69
LINC00086	40.51	chrX	Xq26.3	20	74.76
CDH11	40.51	chr16	16q21	44	116.57
HIST1H3D	40.51	chr6	6p22.1	40	117.76
ITGB7	40.51	chr12	12q13.13	30	105.33
EPB41L1	40.50	chr20	20q11.2-q12	64	124.18
CTBS	40.50	chr1	1p22	53	94.84
Hs.551074	40.49	chr5	N/A	3	20.43
Hs.664045	40.48	chr11	N/A	1	0.00
IGSF8	40.48	chr1	1q23.1	26	120.23
UBALD1	40.47	chr16	16p13.3	28	66.26
Hs.570617	40.46	chr3	N/A	3	10.53
ELAVL3	40.46	chr19	19p13.2	50	282.44
Hs.216641	40.46	chr9	N/A	3	29.09
LRIF1	40.45	chr1	1p13.3	31	86.78
DNASE1L3	40.45	chr3	3p14.3	31	81.73
GPATCH3	40.44	chr1	1p35.3-p35.1	35	66.05
B3GAT2	40.44	chr6	6q13	34	175.09
FLJ10038	40.44	chr15	15q21.2	36	103.25
MUC4	40.44	chr3	3q29	85	132.69
SMN1	40.44	chr5	5q13.2	107	122.55
Hs.566482	40.44	chr6	N/A	3	25.81
MMP9	40.44	chr20	20q11.2-q13.1	63	98.26
GS52	40.43	chr16	16p13.3	3	23.53
IFNAR1	40.42	chr21	21q22.11	53	108.23
MGA	40.42	chr15	15q14	74	299.26
PUS3	40.42	chr11	11q24.2	24	55.73
ZFPM2	40.41	chr8	8q23	57	113.41
Hs.601941	40.41	chr4	N/A	7	68.70
SNHG15	40.41	chr7	7p13	21	49.54
ABCA1	40.40	chr9	9q31.1	75	168.40
UGGT2	40.40	chr13	13q32.1	98	164.34
Hs.539564	40.40	chr13	N/A	3	10.07
Hs.458901	40.39	chr15	N/A	7	76.66
C12orf76	40.39	chr12	12q24.11	46	141.87
Hs.735553	40.39	chr11	N/A	3	27.14

MEG3	40.38	chr14	14q32	116	122.65
ATP6V1G2	40.36	chr6	6p21.3	26	55.72
ELMOD2	40.36	chr4	4q31.1	41	95.29
TM4SF18	40.34	chr3	3q25.1	37	91.05
SLC26A4	40.33	chr7	7q31	37	390.25
Hs.21856	40.33	chr1	N/A	3	10.45
RSBN1	40.33	chr1	1p13.2	50	144.14
Hs.105016	40.32	chr1	N/A	8	122.53
ZNF605	40.32	chr12	12q24.33	49	156.80
LIG4	40.32	chr13	13q33-q34	64	235.14
PHF14	40.32	chr7	7p21.3	65	167.29
Hs.564015	40.31	chr10	N/A	3	18.75
Hs.733485	40.31	chr11	N/A	1	0.00
PEX6	40.30	chr6	6p21.1	49	84.49
SNHG9	40.30	chr16	16p13.3	8	93.57
TMEM104	40.30	chr17	17q25.1	32	77.55
AKAP8L	40.29	chr19	19p13.12	61	93.53
ENTPD1	40.29	chr10	10q24	76	102.44
POC5	40.28	chr5	5q13.3	23	152.79
Hs.428102	40.28	chr18	N/A	3	4.31
IL2RB	40.27	chr22	22q13.1	30	148.50
Hs.733409	40.27	chr6	N/A	1	0.00
Hs.565371	40.27	chr2	N/A	3	30.57
LMTK2	40.27	chr7	7q21.3	65	225.73
Hs.599620	40.27	chr3	N/A	7	60.70
Hs.583150	40.27	chr7	N/A	3	15.83
CD163L1	40.27	chr12	12p13.3	26	64.38
NRAS	40.26	chr1	1p13.2	31	122.85
FMO4	40.26	chr1	1q24.3	40	92.01
ZNF43	40.25	chr19	19p13.1-p12	43	224.59
Hs.656374	40.24	chr1	N/A	7	66.27
GPR35	40.24	chr2	2q37.3	30	152.44
LRCH3	40.24	chr3	3q29	93	166.81
ZNF544	40.23	chr19	19q13.43	67	69.67
GCM1	40.22	chr6	6p12.1	40	134.41
SAMD14	40.22	chr17	17q21.33	38	131.96
SCGN	40.22	chr6	6p22.3-p22.1	30	90.80
Hs.575028	40.20	chr3	N/A	3	26.16
Hs.580494	40.20	chr2	N/A	3	21.30
C12orf36	40.20	chr12	12p13.1	13	73.55
Hs.634757	40.20	chr2	N/A	5	54.02
EPHA2	40.19	chr1	1p36	45	82.97
THAP7	40.18	chr22	22q11.2	34	128.76
TUFT1	40.18	chr1	1q21	38	77.02
AEBP2	40.17	chr12	12p12.3	76	106.34
Hs.658368	40.17	chr11	N/A	1	0.00
TAF9B	40.17	chrX	Xq13.1-q21.1	62	112.70
Hs.593885	40.17	chr16	N/A	17	278.43
AGAP4	40.17	chr10	10q11.22	65	93.84
SMARCAD1	40.16	chr4	4q22-q23	113	326.76
SNRNP40	40.15	chr1	1p35.2	50	120.27
PWWP2B	40.14	chr10	10q26.3	40	90.66
PSMD5	40.14	chr9	9q33.2	52	94.92
RIT1	40.13	chr1	1q22	58	84.39
CYB5R2	40.13	chr11	11p15.4	31	90.91
TAMM41	40.13	chr3	3p25.2	47	93.41
RNF40	40.12	chr16	16p11.2-p11.1	39	85.07
ZNF275	40.12	chrX	Xq28	49	127.06
AAK1	40.12	chr2	2p14	158	166.32
ZNF839	40.12	chr14	14q32.31	46	110.48
GUCY1B3	40.12	chr4	4q31.3-q33	35	82.86
NTM	40.11	chr11	11q25	48	186.44
ARID3B	40.10	chr15	15q24	28	73.64
OR10A7	40.10	chr12	12q13.2	5	118.75
PPP1R3E	40.10	chr14	14q11.2	34	109.88
Hs.734161	40.09	chr11	N/A	3	162.61

CHUK	40.08	chr10	10q24-q25	35	85.59
PPY	40.07	chr17	17q21	28	104.45
Hs.656363	40.07	chr19	N/A	1	0.00
Hs.672110	40.07	chr1	N/A	3	18.70
DGKK	40.06	chrX	Xp11.22	5	152.22
Hs.440343	40.06	chr15	N/A	3	21.02
Hs.666974	40.06	chr4	N/A	7	125.59
ZSCAN10	40.06	chr16	16p13.3	18	66.41
MOB3C	40.06	chr1	1p33	43	111.56
ARFRP1	40.05	chr20	20q13.3	39	90.30
Hs.154299	40.05	chr5	N/A	7	60.44
SLC28A1	40.05	chr15	15q25.3	65	248.20
TSACC	40.04	chr1	1q22	17	67.87
HEATR3	40.04	chr16	16q12.1	38	76.84
PTAR1	40.04	chr9	9q21.12	29	89.84
TSR1	40.04	chr17	17p13.3	52	75.36
SPAG16	40.03	chr2	2q34	53	130.68
Hs.522545	40.03	chr19	N/A	18	44.96
POGK	40.03	chr1	1q24.1	39	162.26
DDX49	40.02	chr19	19p12	41	131.19
AXIN1	40.02	chr16	16p13.3	37	117.27
Hs.614113	40.02	chr11	N/A	1	0.00
INTS4	40.01	chr11	11q14.1	63	114.80
RRP7B	40.01	chr22	22q13.2	50	104.62
Hs.439525	40.01	chr1	N/A	1	0.00
ATP2B3	40.01	chrX	Xq28	64	525.32
PPFIA1	40.00	chr11	11q13.3	87	114.29
FBXO45	40.00	chr3	3q29	44	322.37
Hs.655731	40.00	chr12	N/A	7	70.62
EMX1	40.00	chr2	2p13.2	49	119.81
DDX10	39.99	chr11	11q22-q23	39	82.36
Hs.705764	39.98	chr18	N/A	5	79.58
Hs.86538	39.98	chr3	N/A	21	173.10
TMEM139	39.98	chr7	7q34	41	200.37
ZNF212	39.97	chr7	7q36.1	35	77.13
SLIT2	39.97	chr4	4p15.2	49	136.12
EFCAB7	39.97	chr1	1p31.3	44	139.35
SYT13	39.96	chr11	11p12-p11	43	157.65
HK2	39.96	chr2	2p13	64	111.60
TMEFF2	39.96	chr2	2q32.3	66	217.64
Hs.739366	39.95	chr21	N/A	3	31.04
SLC16A13	39.95	chr17	17p13.1	16	119.38
Hs.706056	39.94	chr3	N/A	3	15.64
Hs.666959	39.94	chr3	N/A	14	126.79
Hs.731777	39.94	chr6	N/A	7	76.20
BGLAP	39.93	chr1	1q22	38	166.25
IGLV1-44	39.93	chr22	22q11.2	13	48.77
IGSF10	39.93	chr3	3q25.1	31	131.75
Hs.633622	39.93	chr8	N/A	8	60.28
C1orf109	39.93	chr1	1p34.3	21	72.42
S1PR4	39.92	chr19	19p13.3	28	93.98
PTPN23	39.92	chr3	3p21.3	69	148.09
C16orf58	39.92	chr16	16p11.2	47	187.74
MMP25	39.90	chr16	16p13.3	56	100.68
MTRF1L	39.89	chr6	6q25-q26	41	142.58
MTHFR	39.89	chr1	1p36.3	106	131.59
HIST1H2AI	39.89	chr6	6p22.1	8	67.83
Hs.661691	39.88	chr19	N/A	7	67.09
PEX10	39.88	chr1	1p36.32	41	61.86
INCA1	39.87	chr17	17p13.2	3	14.31
FBXL20	39.87	chr17	17q12	46	95.62
Hs.708610	39.86	chr7	N/A	5	51.26
ETV5	39.86	chr3	3q28	55	142.18
Hs.254509	39.86	chr5	N/A	6	27.72
Hs.541083	39.86	chr10	N/A	3	22.08
Hs.600638	39.85	chr8	N/A	1	0.00

AWAT2	39.85	chrX	Xq13.1	11	171.98
RAPGEF3	39.84	chr12	12q13.1	59	111.83
AP4M1	39.84	chr7	7q22.1	38	89.10
INPP5D	39.84	chr2	2q37.1	54	101.24
ZNF562	39.83	chr19	19p13.2	48	72.85
ERLIN2	39.83	chr8	8p11.2	63	99.82
LOC100129291	39.83	chrX	Xq13.1	2	113.68
RALGAPB	39.83	chr20	20q11.23	68	80.26
SFMBT1	39.83	chr3	3p21.1	44	69.58
OR2L3	39.82	chr1	1q44	3	6.70
PLEKHA6	39.82	chr1	1q32.1	41	210.82
MIOX	39.82	chr22	22q13.3	33	137.38
KRIT1	39.82	chr7	7q21.2	85	141.27
ADAM17	39.82	chr2	2p25	51	72.00
HNRNPCL1	39.81	chr1	1p36.21	26	76.97
Hs.741455	39.81	chr13	N/A	7	74.78
SPNS1	39.81	chr16	16p11.2	36	151.74
Hs.536240	39.80	chr10	N/A	3	24.11
ZCCHC3	39.80	chr20	20p13-p12.2	44	114.76
IPO9	39.79	chr1	1q32.1	51	79.38
TMEM251	39.78	chr14	14q32.12	24	55.72
CIT	39.78	chr12	12q24	47	149.13
Hs.704199	39.77	chr4	N/A	12	113.59
Hs.602396	39.77	chr19	N/A	10	59.45
PITPNC1	39.77	chr17	17q24.2	83	184.74
TRPV2	39.76	chr17	17p11.2	36	83.52
ASB15	39.76	chr7	7q31.31	9	64.03
PAG1	39.76	chr8	8q21.13	65	96.34
Hs.712977	39.76	chr5	N/A	5	85.01
FAM65B	39.76	chr6	6p22.3-p21.32	66	172.01
Hs.735675	39.75	chr10	N/A	1	0.00
INSIG1	39.75	chr7	7q36	53	126.32
MED12	39.75	chrX	Xq13	50	97.58
Hs.512284	39.74	chr15	N/A	1	0.00
SLC11A2	39.74	chr12	12q13	88	113.61
ITGB8	39.74	chr7	7p21.1	99	335.42
LINC00452	39.74	chr13	13q34	1	0.00
ZNF521	39.74	chr18	18q11.2	29	74.47
Hs.612029	39.74	chr11	N/A	5	65.42
SKA2	39.73	chr17	17q22	57	129.74
Hs.657362	39.73	chr2	N/A	18	66.78
TOM1L1	39.72	chr17	17q23.2	57	188.63
LOC541472	39.72	chr7	7p21	28	131.76
Hs.649066	39.71	chr8	N/A	15	155.88
MAFF	39.71	chr22	22q13.1	44	67.74
Hs.200698	39.69	chr5	N/A	3	5.66
Hs.694796	39.69	chr15	N/A	24	85.17
LIPG	39.69	chr18	18q21.1	43	163.23
Hs.443406	39.68	chr8	N/A	3	17.83
TTC28	39.68	chr22	22q12.1	70	193.54
Hs.648496	39.68	chrX	N/A	8	69.07
Hs.634573	39.68	chr5	N/A	3	23.28
PTCH1	39.66	chr9	9q22.3	100	162.30
Hs.563292	39.66	chr5	N/A	3	38.12
Hs.459142	39.66	chr15	N/A	8	65.84
DHX8	39.65	chr17	17q21.31	53	80.52
TRAF7	39.65	chr16	16p13.3	49	124.92
Hs.662829	39.64	chr19	N/A	1	0.00
NUDT7	39.64	chr16	16q23.1	13	188.30
NAGPA	39.64	chr16	16p13.3	39	95.31
SDIM1	39.63	chr6	N/A	3	23.58
HRH2	39.63	chr5	5q35.2	21	84.00
LAT	39.62	chr16	16p11.2	64	144.29
Hs.714136	39.62	chr21	N/A	3	14.61
Hs.654969	39.62	chr2	N/A	1	0.00
Hs.576307	39.61	chr1	N/A	3	13.57

KIAA1143	39.61	chr3	3p21.31	57	74.94
ALDH1A2	39.59	chr15	15q21.3	48	137.36
PPM1L	39.58	chr3	3q26.1	26	186.92
SGK223	39.58	chr8	8p23.1	28	99.39
MYSM1	39.57	chr1	1p32.1	24	98.40
Hs.602432	39.57	chr1	N/A	1	0.00
KIAA1462	39.56	chr10	10p11.23	58	108.59
B9D2	39.56	chr19	19q13.2	30	72.00
ARHGFEF11	39.56	chr1	1q21	52	122.06
DENND5B	39.56	chr12	12p11.21	120	162.06
Hs.624107	39.55	chr22	N/A	10	216.18
LOC440905	39.55	chr2	2q21.1	34	133.60
LEPREL2	39.55	chr12	12q13	30	61.23
ABCA3	39.55	chr16	16p13.3	30	51.05
KCNC2	39.55	chr12	12q14.1	41	343.73
CSTF1	39.55	chr20	20q13.2	49	109.96
Hs.586682	39.54	chr10	N/A	3	77.80
KIAA0930	39.54	chr22	22q13.31	98	173.48
DPY19L4	39.54	chr8	8q22.1	53	87.98
FBN2	39.54	chr5	5q23-q31	69	166.32
LCE2A	39.53	chr1	1q21.3	16	60.95
Hs.634512	39.53	chr16	N/A	7	126.93
REEP2	39.53	chr5	5q31	30	68.40
SLC7A1	39.53	chr13	13q12.3	76	134.45
BZRAP1	39.53	chr17	17q22-q23	40	59.67
PHF20	39.53	chr20	20q11.22-q11.23	96	162.09
GZMH	39.52	chr14	14q11.2	30	97.13
AP1G2	39.52	chr14	14q11.2	59	147.76
FGF14-AS2	39.52	chr13	13q33.1	19	80.81
Hs.665264	39.51	chr11	N/A	7	113.96
Hs.113689	39.51	chr3	N/A	1	0.00
HDAC6	39.51	chrX	Xp11.23	50	154.16
Hs.658924	39.50	chr12	N/A	4	27.12
SLC25A42	39.49	chr19	19p13.11	68	192.04
CYP11A1	39.49	chr15	15q23-q24	28	70.20
Hs.577188	39.49	chr11	N/A	3	19.36
LARP1B	39.48	chr4	4q28.2	104	89.18
Hs.652760	39.48	chr6	N/A	8	81.22
GPC4	39.47	chrX	Xq26.1	35	86.64
FRYL	39.47	chr4	4p11	100	142.45
NMNAT2	39.47	chr1	1q25	62	353.94
Hs.720206	39.46	chr8	N/A	8	233.41
ICAM1	39.46	chr19	19p13.3-p13.2	53	66.32
CDK2	39.46	chr12	12q13	63	130.81
COCH	39.45	chr14	14q11.2-q13	48	418.42
MAP3K14	39.45	chr17	17q21	30	63.93
ZNF845	39.45	chr19	19q13.42	20	45.22
PCSK2	39.44	chr20	20p11.2	42	258.16
SASH3	39.44	chrX	Xq26	33	125.57
ANGEL2	39.44	chr1	1q32.3	76	115.81
Hs.598988	39.44	chr21	N/A	1	0.00
HRH1	39.44	chr3	3p25	45	158.02
LRRC41	39.43	chr1	1p34.1	52	92.63
Hs.10263	39.43	chr8	N/A	10	42.60
Hs.732394	39.42	chr3	N/A	11	72.07
Hs.99528	39.41	chr18	N/A	5	97.75
Hs.734359	39.41	chr17	N/A	7	73.10
Hs.633030	39.41	chr6	N/A	7	73.27
AGAP7	39.40	chr10	10q11.23	18	83.51
FOXO4	39.40	chrX	Xq13.1	55	136.17
PHF20L1	39.39	chr8	8q24.22	111	100.19
Hs.544215	39.39	chr5	N/A	3	10.87
Hs.566231	39.39	chr5	N/A	3	7.47
Hs.719431	39.38	chr10	N/A	7	97.34
NRTN	39.38	chr19	19p13.3	28	100.37
C10orf71-AS1	39.38	chr10	N/A	14	28.49

Hs.190092	39.38	chr1	N/A	6	47.66
CEACAM5	39.38	chr19	19q13.1-q13.2	42	127.74
HMX1	39.36	chr4	4p16.1	34	138.16
SMO	39.36	chr7	7q32.3	37	63.32
TSEN2	39.36	chr3	3p25.2	32	69.31
Hs.713654	39.36	chr4	N/A	1	0.00
Hs.740820	39.36	chr17	N/A	7	105.07
BRCC3	39.36	chrX	Xq28	45	90.45
SNAPC4	39.35	chr9	9q34.3	50	101.63
P2RX4	39.35	chr12	12q24.32	30	86.11
CDK8	39.35	chr13	13q12	39	139.80
MMP11	39.35	chr22	22q11.23	56	87.94
DDX11	39.35	chr12	12p11	60	127.22
PPAPDC2	39.34	chr9	9p24.1	19	101.90
Hs.694299	39.34	chr5	N/A	3	8.96
Hs.657256	39.33	chr12	N/A	12	49.50
Hs.665740	39.33	chrX	N/A	1	0.00
Hs.201950	39.32	chr14	N/A	3	24.82
MSTO1	39.32	chr1	1q22	37	125.17
ATMIN	39.31	chr16	16q23.2	65	90.96
Hs.660090	39.31	chr10	N/A	7	132.44
SLC22A5	39.31	chr5	5q23.3	45	122.96
SUZ12	39.30	chr17	17q11.2	54	137.10
MOS	39.29	chr8	8q11	23	85.98
Hs.733020	39.29	chr11	N/A	1	0.00
PRMT6	39.28	chr1	1p13.3	27	109.59
ARMC8	39.27	chr3	3q22.3	104	162.05
Hs.731761	39.26	chr2	N/A	15	125.20
TNFRSF6B	39.25	chr20	20q13.3	27	60.69
EPHA5	39.25	chr4	4q13.1	63	265.05
TBC1D22A	39.24	chr22	22q13.3	64	141.37
WIPF1	39.24	chr2	2q31.1	83	134.01
Hs.743543	39.24	chr13	N/A	5	90.76
Hs.571988	39.24	chr10	N/A	7	93.01
ZDHHC24	39.23	chr11	11q13.2	28	40.64
EDIL3	39.23	chr5	5q14	66	186.00
MYOG	39.22	chr1	1q31-q41	40	58.83
PLAC4	39.22	chr21	21q22.2	52	172.92
PRPF38B	39.21	chr1	1p13.3	68	201.67
Hs.562116	39.21	chr1	N/A	3	22.40
FZD6	39.20	chr8	8q22.3-q23.1	37	99.64
Hs.505244	39.20	chr12	N/A	3	52.69
LCMT2	39.19	chr15	15q15.3	25	134.02
Hs.651081	39.19	chr2	N/A	2	95.30
Hs.595314	39.19	chr15	N/A	21	110.62
SCRG1	39.18	chr4	4q34.1	30	97.60
LY96	39.16	chr8	8q21.11	30	114.32
RBM4B	39.15	chr11	11q13	25	73.82
RAB8B	39.15	chr15	15q22.2	61	102.06
SLC24A5	39.15	chr15	15q21.1	13	114.12
GOSR2	39.15	chr17	17q21	122	130.50
NIP7	39.14	chr16	16q22.1	34	92.85
Hs.741333	39.14	chr10	N/A	7	76.60
NHLRC2	39.13	chr10	10q25.3	82	178.41
ZNF558	39.13	chr19	19p13.2	33	96.52
SP2	39.13	chr17	17q21.32	45	132.61
SOX13	39.12	chr1	1q32	41	113.78
RUFY3	39.12	chr4	4q13.3	111	340.17
CYTH3	39.11	chr7	7p22.1	40	136.86
Hs.574667	39.11	chr2	N/A	3	7.09
SVEP1	39.11	chr9	9q32	92	142.00
Hs.603449	39.11	chr4	N/A	2	39.01
Hs.603736	39.11	chr4	N/A	1	0.00
Hs.541586	39.10	chr2	N/A	3	14.08
STK16	39.10	chr2	2q35	47	87.68
Hs.527954	39.10	chr14	N/A	3	6.60

PARP12	39.10	chr7	7q34	35	87.18
CACNA1C-AS4	39.10	chr12	N/A	3	18.90
DHX35	39.09	chr20	20q11.22-q12	37	93.49
DOM3Z	39.09	chr6	6p21.3	45	88.98
Hs.515570	39.08	chr19	N/A	11	42.12
ZNF548	39.08	chr19	19q13.43	29	163.77
ZNF689	39.07	chr16	16p11.2	32	128.85
Hs.543170	39.07	chr3	N/A	3	4.57
PTER	39.07	chr10	10p12	36	114.01
FRAT2	39.07	chr10	10q24.1	34	109.82
ZNF625	39.06	chr19	19p13.2	38	43.99
Hs.416810	39.06	chr8	N/A	13	65.58
C8orf58	39.06	chr8	8p21	14	68.48
BCR	39.06	chr22	22q11.23	146	116.02
KIAA1875	39.05	chr8	8q24.3	27	96.76
Hs.602888	39.05	chr13	N/A	7	44.42
YIPF5	39.05	chr5	5q31.3	51	59.41
Hs.441813	39.04	chr18	N/A	3	26.18
BTBD17	39.04	chr17	17q25.1	7	110.91
ESRRG	39.04	chr1	1q41	47	101.21
Hs.663024	39.04	chr20	N/A	7	42.71
SNX8	39.03	chr7	7p22.3	56	104.27
MAML2	39.03	chr11	11q21	52	381.96
SLC25A14	39.02	chrX	Xq24	43	68.21
ABCG1	39.02	chr21	21q22.3	65	92.00
BNIP1	39.01	chr5	5q33-q34	43	68.95
RAPH1	39.01	chr2	2q33	85	138.45
C4orf48	39.01	chr4	4p16.3	10	45.45
NUP160	39.00	chr11	11p11.2	57	136.69
OR51T1	39.00	chr11	11p15.4	8	58.47
FAT4	38.99	chr4	4q28.1	43	139.97
Hs.633212	38.99	chr2	N/A	11	71.57
SMCR8	38.99	chr17	17p11.2	31	108.21
DPP9	38.98	chr19	19p13.3	45	140.77
CEBPE	38.97	chr14	14q11.2	23	91.92
ZNF700	38.97	chr19	19p13.2	38	109.43
ZFAND2A	38.97	chr7	7p22.3	17	84.74
DKFZp686K1684	38.97	chr11	11p13	3	21.10
ABCC8	38.96	chr11	11p15.1	44	110.31
ZNF135	38.96	chr19	19q13.4	67	104.40
TBC1D2B	38.96	chr15	15q24.3-q25.1	68	86.39
OR8D4	38.96	chr11	11q24.1	10	177.74
Hs.97549	38.95	chr7	N/A	3	25.91
Hs.656309	38.94	chr5	N/A	3	93.77
NCOR1	38.94	chr17	17p11.2	104	120.78
Hs.540450	38.94	chr16	N/A	3	27.42
FST	38.93	chr5	5q11.2	36	97.15
RASGRP3	38.93	chr2	2p25.1-p24.1	42	92.04
Hs.615161	38.93	chr5	N/A	10	41.54
Hs.30917	38.93	chr2	N/A	7	106.32
Hs.616157	38.92	chr6	N/A	3	16.06
Hs.22689	38.92	chr2	N/A	17	117.15
Hs.733325	38.92	chr3	N/A	7	68.05
FSD1L	38.91	chr9	9q31	35	346.80
OR6Q1	38.91	chr11	11q12.1	5	114.54
CBLL1	38.90	chr7	7q22.3	27	116.01
TRPM4	38.89	chr19	19q13.33	28	94.57
NLRC5	38.89	chr16	16q13	45	127.75
KCTD5	38.89	chr16	16p13.3	47	131.51
MTRR	38.88	chr5	5p15.31	39	124.60
KIF13B	38.88	chr8	8p12	57	79.37
DLG1	38.88	chr3	3q29	95	110.17
PLLP	38.87	chr16	16q13	40	75.57
GSTM5	38.87	chr1	1p13.3	49	95.57
SMUG1	38.87	chr12	12q13.11-q13.3	43	120.27
AARS2	38.87	chr6	6p21.1	35	79.10

ABCB10	38.87	chr1	1q42.13	71	82.12
NCKAP1L	38.87	chr12	12q13.1	36	120.11
ACP6	38.85	chr1	1q21	35	95.72
MAMSTR	38.85	chr19	19q13.33	17	60.43
ADRA1D	38.85	chr20	20p13	44	138.39
IL3RA	38.84	chrX	Xp22.3 or Yp11.3	33	73.67
ERIC1	38.83	chr8	8p23.3	52	101.49
RCOR1	38.83	chr14	14q32.31	51	173.06
GBA	38.83	chr1	1q21	45	96.97
Hs.635622	38.83	chr6	N/A	1	0.00
DKFZP586I1420	38.82	chr7	7p14.3	33	87.38
TTF1	38.82	chr9	9q34.13	31	71.21
Hs.438937	38.82	chr9	N/A	4	33.70
LOC100505759	38.81	chr12	N/A	1	0.00
Hs.732050	38.80	chr17	N/A	7	158.15
CDH4	38.80	chr20	20q13.3	60	486.43
SLC30A2	38.79	chr1	1p35.3	33	113.25
SLC25A16	38.79	chr10	10q21.3	46	134.13
CTCF	38.79	chr16	16q21-q22.3	42	111.99
OR1J4	38.79	chr9	9q34.11	10	105.67
Hs.644803	38.78	chr4	N/A	8	11.56
IL9R	38.78	chrX	Xq28 and Yq12	27	87.52
Hs.538326	38.78	chr10	N/A	3	12.75
Hs.594642	38.77	chr5	N/A	5	57.85
Hs.714873	38.76	chr9	N/A	3	7.40
KIAA0146	38.76	chr8	8q11.21	15	112.03
NCRNA00185	38.76	chrY	Yq11.222	31	60.98
PANK2	38.76	chr20	20p13	80	104.53
PLSCR1	38.75	chr3	3q23	60	90.54
Hs.7413	38.75	chr3	N/A	21	65.99
SLC22A15	38.75	chr1	1p13.1	28	85.20
CYP4X1	38.74	chr1	1	46	90.50
HIST1H2BE	38.74	chr6	6p22.1	22	68.88
ZNF542	38.74	chr19	19q13.43	27	77.45
PRKG1	38.74	chr10	10q11.2	84	145.99
Hs.543219	38.74	chr3	N/A	3	25.73
EPS15	38.74	chr1	1p32	68	140.35
Hs.565487	38.73	chr2	N/A	3	44.13
Hs.333208	38.72	chr3	N/A	3	39.64
PKD2	38.72	chr4	4q22.1	48	85.32
VWA9	38.71	chr15	15q22.31	48	90.36
BRPF3	38.71	chr6	6p21	38	138.45
MAN2B2	38.70	chr4	4p16.1	61	108.67
SLC38A5	38.70	chrX	Xp11.23	26	127.52
Hs.426229	38.70	chr1	N/A	3	13.16
POM121L12	38.69	chr7	7p12.1	27	86.40
IFT140	38.69	chr16	16p13.3	32	102.05
C21orf88	38.68	chr21	21q22.2	28	104.85
FERMT1	38.68	chr20	20p12.3	54	234.86
Hs.543938	38.66	chr5	N/A	3	1.34
Hs.662503	38.66	chr22	N/A	7	65.61
Hs.200697	38.66	chr4	N/A	3	25.56
Hs.657016	38.65	chr22	N/A	1	0.00
KIF1A	38.65	chr2	2q37.3	49	152.03
HIST1H3F	38.65	chr6	6p22.2	25	105.67
Hs.545478	38.65	chr8	N/A	3	33.98
PIGH	38.65	chr14	14q24.1	36	56.05
Hs.658802	38.65	chr5	N/A	9	147.33
MED8	38.64	chr1	1p34.2	56	74.28
KLF12	38.64	chr13	13q22	99	242.47
Hs.565660	38.64	chr20	N/A	3	28.87
Hs.736246	38.63	chr1	N/A	1	0.00
Hs.740776	38.63	chr22	N/A	12	89.57
ACVR2B	38.63	chr3	3p22	62	98.42
TMEM53	38.62	chr1	1p34.1	30	61.03
OR2AG1	38.62	chr11	11p15.4	8	99.88

IRF4	38.62	chr6	6p25-p23	52	283.27
OMD	38.61	chr9	9q22.31	35	201.19
Hs.662159	38.61	chr3	N/A	2	100.61
Hs.656487	38.61	chr3	N/A	1	0.00
SIN3B	38.61	chr19	19p13.11	36	62.21
Hs.731882	38.61	chr2	N/A	8	126.12
TRIM56	38.60	chr7	7q22.1	26	56.52
NPY4R	38.60	chr10	10q11.2	23	105.02
ZNF436	38.60	chr1	1p36	33	90.27
APBB1	38.60	chr11	11p15	44	62.45
ADARB1	38.59	chr21	21q22.3	79	133.86
ZDHHC14	38.59	chr6	6q25.3	60	88.73
DCAF16	38.59	chr4	4p15.31	44	91.33
CDC42BPA	38.59	chr1	1q42.11	109	139.52
CDC40	38.59	chr6	6q21	75	103.13
NDE1	38.59	chr16	16p13.11	49	112.19
Hs.599715	38.58	chr11	N/A	7	61.80
Hs.667700	38.57	chr7	N/A	1	0.00
Hs.599385	38.57	chr20	N/A	3	11.54
NEIL1	38.57	chr15	15q24.2	29	69.22
GAD1	38.57	chr2	2q31	69	537.77
MAPK11	38.56	chr22	22q13.33	45	86.02
OR1C1	38.55	chr1	1q44	20	104.39
CEP57	38.55	chr11	11q21	74	103.33
LRRRC8C	38.55	chr1	1p22.2	41	93.01
SLC4A4	38.54	chr4	4q21	70	129.81
Hs.118769	38.54	chr2	N/A	1	0.00
CHN2	38.53	chr7	7p15.3	65	136.14
Hs.519412	38.53	chr5	N/A	3	28.69
SELPLG	38.52	chr12	12q24	35	70.37
GPBAR1	38.52	chr2	2q35	19	88.42
Hs.649302	38.52	chr9	N/A	1	0.00
CHD7	38.51	chr8	8q12.2	67	130.66
VMO1	38.51	chr17	17p13.2	27	228.21
Hs.663992	38.51	chr15	N/A	1	0.00
HSCB	38.50	chr22	22q12.1	29	70.52
SMC4	38.50	chr3	3q26.1	70	167.61
TESK2	38.49	chr1	1p32	33	83.76
C6orf222	38.49	chr6	6p21.31	3	26.59
TRAPPC13	38.48	chr5	5q12.3	50	86.14
Hs.657009	38.48	chr13	N/A	14	84.57
LGR4	38.48	chr11	11p14-p13	61	106.33
Hs.733472	38.48	chr7	N/A	7	35.26
Hs.594723	38.48	chr13	N/A	7	79.32
Hs.668162	38.48	chr22	N/A	2	111.07
Hs.544498	38.48	chr6	N/A	7	183.54
Hs.541581	38.47	chr2	N/A	3	40.00
MET	38.47	chr7	7q31	103	118.40
SFRP2	38.47	chr4	4q31.3	49	134.71
Hs.658568	38.46	chr12	N/A	1	0.00
Hs.616457	38.46	chr19	N/A	3	49.70
Hs.594530	38.44	chr5	N/A	4	29.54
EARS2	38.43	chr16	16p12.2	35	84.36
ADORA1	38.43	chr1	1q32.1	51	93.45
Hs.43396	38.43	chr11	N/A	3	27.83
OR13D1	38.43	chr9	9q31.1	17	181.15
FAM102B	38.43	chr1	1p13.3	35	208.12
KIAA0556	38.42	chr16	16p12.1	47	134.35
Hs.575603	38.41	chr1	N/A	3	26.97
Hs.44811	38.41	chr11	N/A	3	23.77
Hs.544070	38.40	chr5	N/A	3	14.24
HAUS1	38.40	chr18	18q21.1	27	56.77
LOC401317	38.40	chr7	7p15.1	24	79.73
HENMT1	38.40	chr1	1p13.3	22	107.96
Hs.586618	38.39	chr1	N/A	6	56.43
Hs.185495	38.39	chr4	N/A	3	36.55

Hs.26766	38.38	chr14	N/A	11	39.68
Hs.516951	38.38	chr20	N/A	10	153.98
CBL	38.38	chr11	11q23.3	71	119.98
Hs.732673	38.38	chr2	N/A	1	0.00
Hs.744310	38.38	chr19	N/A	8	79.87
DDAH1	38.38	chr1	1p22	80	124.11
PDLIM4	38.38	chr5	5q31.1	57	135.35
MIR143HG	38.37	chr5	5q32	33	86.37
Hs.722463	38.37	chr22	N/A	11	116.03
Hs.731648	38.37	chr10	N/A	12	111.32
KRTAP13-4	38.37	chr21	21q22.1	16	71.25
MUC6	38.36	chr11	11p15.5	50	146.27
NFKBIE	38.36	chr6	6p21.1	30	70.68
FBXO33	38.36	chr14	14q21.1	47	91.80
SYDE2	38.36	chr1	1p22.3	6	20.17
HIF3A	38.36	chr19	19q13.32	94	125.16
APH1B	38.35	chr15	15q22.2	32	101.31
CAMKK1	38.35	chr17	17p13.2	45	313.20
LOC100505887	38.34	chr1	N/A	10	33.84
Hs.28792	38.33	chr7	N/A	18	203.93
CPT1C	38.33	chr19	19q13.33	22	141.21
ZSCAN9	38.32	chr6	6p21.3	31	100.78
C16orf91	38.32	chr16	16p13.3	8	97.62
Hs.663787	38.32	chr17	N/A	1	0.00
Hs.162190	38.31	chr17	N/A	3	41.65
Hs.542413	38.31	chr20	N/A	3	56.13
Hs.432355	38.30	chrX	N/A	1	0.00
NAAA	38.30	chr4	4q21.1	64	80.14
Hs.190668	38.29	chr12	N/A	1	0.00
Hs.734286	38.28	chr4	N/A	1	0.00
Hs.585792	38.27	chr17	N/A	8	80.42
ITGA11	38.27	chr15	15q23	23	87.47
TCEAL2	38.26	chrX	Xq22.1-q22.3	35	80.29
Hs.696673	38.26	chr9	N/A	17	74.69
RAD1	38.26	chr5	5p13.2	67	87.79
Hs.281929	38.26	chr16	N/A	3	47.55
STK17B	38.25	chr2	2q32.3	50	207.95
SH2D2A	38.24	chr1	1q21	30	66.08
ZNF767	38.24	chr7	7q36.1	13	61.05
NR0B2	38.24	chr1	1p36.1	32	88.47
FLJ37453	38.23	chr1	1p36.21	33	55.30
LINC00112	38.23	chr21	21q22.3	11	122.38
Hs.542495	38.22	chr20	N/A	3	28.90
Hs.538089	38.21	chr1	N/A	3	8.15
HNMT	38.21	chr2	2q22.1	86	246.25
C2orf53	38.21	chr2	2p23.3	19	208.15
ODF2	38.21	chr9	9q34.11	57	108.64
HIST1H2BC	38.21	chr6	6p22.1	33	190.99
Hs.609021	38.21	chr3	N/A	1	0.00
BAZZA	38.20	chr12	12q13.3	66	94.32
Hs.559827	38.20	chr10	N/A	7	54.07
C19orf24	38.19	chr19	19p13.3	35	105.76
Hs.711640	38.19	chr19	N/A	7	65.68
Hs.129500	38.19	chr5	N/A	3	23.17
SYMPK	38.18	chr19	19q13.3	60	102.04
TMEM242	38.18	chr6	6q25.3	77	84.50
DTYMK	38.15	chr2	2q37.3	44	74.76
UXS1	38.15	chr2	2q12.2	43	73.50
IGFLR1	38.14	chr19	19q13.12	28	75.32
Hs.445035	38.13	chr11	N/A	2	45.92
IL17D	38.13	chr13	13q11	33	124.31
Hs.517927	38.12	chr3	N/A	3	6.07
Hs.622569	38.11	chr8	N/A	3	22.44
COL4A4	38.11	chr2	2q35-q37	48	147.00
Hs.570216	38.11	chr2	N/A	1	0.00
IPO11	38.10	chr5	5q12.1	35	150.06

LINGO4	38.09	chr1	1q21.3	18	69.16
C1orf158	38.08	chr1	1p36.21	24	102.54
Hs.659728	38.08	chr22	N/A	7	52.93
ARHGEF19	38.08	chr1	1p36.13	17	65.74
Hs.656771	38.08	chr16	N/A	8	81.35
LOC644093	38.07	chr2	2p16.3	6	37.01
Hs.565650	38.07	chr20	N/A	3	8.02
NUDT19	38.07	chr19	19q13.11	25	237.05
TMEM2	38.07	chr9	9q21.13	38	80.21
TES	38.06	chr7	7q31.2	76	87.70
ERBB4	38.05	chr2	2q33.3-q34	56	146.28
Hs.569441	38.05	chr15	N/A	3	24.25
Hs.670908	38.04	chr11	N/A	1	0.00
LZTS3	38.04	chr20	20p13	30	70.04
Hs.633610	38.04	chr17	N/A	7	70.72
LRIG3	38.04	chr12	12q14.1	24	136.83
KRI1	38.04	chr19	19p13.2	25	55.66
CSF1	38.04	chr1	1p13.3	83	158.87
MUTYH	38.04	chr1	1p34.1	48	94.30
C6orf15	38.03	chr6	6p21.3	21	177.04
Hs.555197	38.02	chr21	N/A	3	38.14
NEURL	38.02	chr10	10q25.1	70	145.05
OR4B1	38.01	chr11	11p11.2	11	72.93
RNF214	38.01	chr11	11q23.3	36	75.40
ENOX2	38.01	chrX	Xq25	62	104.41
Hs.733380	38.00	chr4	N/A	1	0.00
FAM124A	38.00	chr13	13q14.3	57	173.55
FLJ37644	38.00	chr17	17q24.3	22	69.73
Hs.544707	37.99	chr6	N/A	3	28.19
MORC4	37.99	chrX	Xq22.3	28	66.49
NINL	37.99	chr20	20p11.22-p11.1	34	66.98
ZNF768	37.97	chr16	16p11.2	28	71.78
Hs.85989	37.97	chr4	N/A	13	81.46
RNF213	37.97	chr17	17q25.3	110	148.49
GNRHR2	37.96	chr1	1q12	40	112.05
Hs.445221	37.95	chr1	N/A	3	32.09
STAM2	37.95	chr2	2q23.3	71	183.76
NOP14	37.95	chr4	4p16.3	32	102.09
UBTD1	37.94	chr10	10q24.2	28	108.26
CD3E	37.94	chr11	11q23	40	63.26
PTX3	37.94	chr3	3q25	41	89.10
KRT82	37.94	chr12	12q13	19	229.27
Hs.167619	37.93	chr15	N/A	18	110.87
Hs.571725	37.93	chrX	N/A	3	5.85
MAP3K2	37.93	chr2	2q14.3	83	150.46
HIST1H2BF	37.92	chr6	6p22.1	28	75.09
TRAPPC2	37.92	chrX	Xp22	68	102.63
SLC43A1	37.91	chr11	11q12.1	37	86.34
SAA1	37.91	chr11	11p15.1	39	132.17
C15orf40	37.91	chr15	15q25.2	29	78.24
ZNF574	37.90	chr19	19q13.2	21	70.19
TDRD9	37.90	chr14	14q32.33	36	71.78
SHKBP1	37.90	chr19	19q13.2	26	84.51
PGPEP1	37.90	chr19	19p13.11	86	82.25
RORC	37.89	chr1	1q21	57	111.51
Hs.675200	37.89	chr5	N/A	20	76.18
ZNF646	37.89	chr16	16p11.2	42	54.72
Hs.661454	37.88	chr3	N/A	16	183.88
Hs.243861	37.88	chr11	N/A	3	23.15
PARP9	37.87	chr3	3q21	30	80.68
Hs.570146	37.87	chr2	N/A	3	4.27
TIGD5	37.87	chr8	8q24.3	32	107.66
PACRG	37.87	chr6	6q26	54	87.14
ABCD1	37.86	chrX	Xq28	35	110.58
KIAA1551	37.86	chr12	12p11.21	51	110.35
LOC100132247	37.86	chr16	16p12.2	2	29.50

SLC33A1	37.86	chr3	3q25.31	43	85.99
DACT3-AS1	37.86	chr19	N/A	1	0.00
ARFIP1	37.86	chr4	4q31.3	51	81.42
CRYZL1	37.85	chr21	21q21.3	66	82.06
TNFSF9	37.85	chr19	19p13.3	33	97.08
SPTLC2	37.85	chr14	14q24.3	70	173.87
TNFAIP8	37.85	chr5	5q23.1	48	142.74
ABCA6	37.84	chr17	17q24.3	47	144.07
Hs.559665	37.84	chr1	N/A	3	26.02
FTSJ2	37.84	chr7	7p22	29	80.92
RHBDL3	37.84	chr17	17q11.2	26	101.63
COQ4	37.84	chr9	9q34.11	33	101.60
SPIB	37.84	chr19	19q13.3-q13.4	48	109.42
MSI2	37.83	chr17	17q22	57	80.58
PAFAH1B3	37.83	chr19	19q13.1	30	115.67
Hs.566081	37.82	chr4	N/A	3	26.91
Hs.336643	37.82	chr19	N/A	3	24.49
TXLNA	37.82	chr1	1p35.1	51	196.75
Hs.582594	37.82	chr6	N/A	3	12.63
TCP10L	37.82	chr21	21q22.11	51	119.06
ADRA2A	37.81	chr10	10q25.2	30	250.68
PRKCQ	37.80	chr10	10p15	45	143.79
TNRC6A	37.80	chr16	16p11.2	104	144.67
KIAA0513	37.80	chr16	16q24.1	41	70.58
Hs.568471	37.79	chr1	N/A	3	51.26
DAB2IP	37.78	chr9	9q33.1-q33.3	70	232.97
USP12	37.78	chr13	13q12.13	58	139.69
Hs.580058	37.77	chr2	N/A	3	35.87
SLCO4A1	37.77	chr20	20q13.33	43	115.61
ANKRD54	37.76	chr22	22q13.1	27	79.21
Hs.576088	37.75	chr1	N/A	3	23.12
GALNT9	37.75	chr12	12q24.33	28	173.13
Hs.542937	37.75	chr3	N/A	3	26.83
PGA3	37.75	chr11	11q12.2	33	107.76
ZNF578	37.75	chr19	19q13.41	25	169.48
Hs.620030	37.75	chr2	N/A	10	47.35
AKAP7	37.74	chr6	6q23	45	103.44
Hs.623061	37.73	chr10	N/A	3	5.14
Hs.735384	37.73	chr16	N/A	1	0.00
Hs.503862	37.73	chr11	N/A	8	217.41
DCT	37.73	chr13	13q32	83	311.50
DDO	37.73	chr6	6q21	41	112.46
Hs.734671	37.73	chr4	N/A	1	0.00
PRSS23	37.72	chr11	11q14.1	73	107.93
LILRB5	37.72	chr19	19q13.4	36	111.48
CD109	37.72	chr6	6q13	74	92.23
CEACAM3	37.71	chr19	19q13.2	45	126.15
NAA25	37.71	chr12	12q24.13	68	127.31
Hs.640249	37.71	chr19	N/A	7	82.73
VGLL3	37.70	chr3	3p12.1	65	150.08
RPS6KA3	37.70	chrX	Xp22.2-p22.1	95	71.50
TBX10	37.70	chr11	11q13.2	28	79.85
UFM1	37.70	chr13	13q13.3	35	84.38
ALG9	37.70	chr11	11q23	48	70.60
GNRH2	37.68	chr20	20p13	36	101.98
Hs.405196	37.68	chrX	N/A	3	30.39
Hs.606376	37.67	chr22	N/A	3	29.36
ITGA10	37.67	chr1	1q21	30	91.15
ARMCX5	37.67	chrX	Xq22.1-q22.3	29	61.14
Hs.103822	37.67	chr2	N/A	7	58.89
ZNF318	37.67	chr6	6pter-p12.1	65	131.65
HMCN1	37.66	chr1	1q25.3-q31.1	46	264.42
Hs.554667	37.66	chr2	N/A	3	49.37
HEATR1	37.64	chr1	1q43	45	92.69
Hs.123511	37.64	chr11	N/A	5	80.51
PARP14	37.64	chr3	3q21.1	70	184.90

TRIM35	37.64	chr8	8p21.2	46	85.46
Hs.604319	37.62	chr14	N/A	7	60.02
SNAI2	37.62	chr8	8q11	50	104.98
KIF13A	37.61	chr6	6p23	78	205.22
Hs.371668	37.60	chr2	N/A	3	32.41
LOC100509195	37.60	chr1	N/A	6	117.29
GAB3	37.59	chrX	Xq28	36	84.08
ZC3H12B	37.59	chrX	Xq12	17	187.47
CP	37.58	chr3	3q23-q25	52	146.02
STARD4	37.58	chr5	5q22.1	25	119.78
GGT1	37.58	chr22	22q11.23	64	111.61
RHBDF2	37.58	chr17	17q25.1	43	104.44
Hs.20034	37.58	chr15	N/A	17	76.68
Hs.656820	37.58	chr3	N/A	1	0.00
CACNA1E	37.57	chr1	1q25.3	61	122.80
Hs.550015	37.57	chr4	N/A	10	111.88
B4GALT4	37.57	chr3	3q13.3	38	58.19
ENTPD2	37.56	chr9	9q34	34	133.50
TBL3	37.56	chr16	16p13.3	28	82.24
Hs.654025	37.55	chr13	N/A	3	38.05
Hs.604784	37.55	chr4	N/A	7	95.46
ZHX1	37.55	chr8	8q24.13	37	143.48
Hs.552679	37.54	chr11	N/A	1	0.00
OR10H1	37.54	chr19	19p13.1	21	113.25
Hs.555208	37.54	chr4	N/A	3	10.26
Hs.668266	37.54	chr5	N/A	1	0.00
EHP1L1	37.54	chr11	11q13.1	36	77.79
RPAP3	37.53	chr12	12q13.11	129	78.17
PROX1	37.52	chr1	1q41	41	146.40
TAF4	37.52	chr20	20q13.33	28	153.92
ACHE	37.52	chr7	7q22	64	180.91
MYO9A	37.51	chr15	15q22-q23	46	68.89
REXO4	37.50	chr9	9q34.2	21	110.70
Hs.602811	37.50	chr1	N/A	20	82.18
PAXBP1	37.50	chr21	21q21.3	94	240.67
HTR3E	37.50	chr3	3q27.1	13	66.01
CEP63	37.49	chr3	3q22.2	56	72.43
IRX2	37.49	chr5	5p15.33	18	69.16
SLC25A25	37.49	chr9	9q34.11	42	114.94
PIGC	37.49	chr1	1q23-q25	73	103.55
SH3GL2	37.49	chr9	9p22	30	112.20
WDR92	37.49	chr2	2p14	53	95.80
C16orf87	37.48	chr16	16q11.2	27	71.75
GLDC	37.47	chr9	9p22	27	167.59
EGF	37.47	chr4	4q25	37	101.29
NSUN4	37.47	chr1	1p34	55	94.89
Hs.125849	37.47	chr8	N/A	5	48.40
Hs.643344	37.46	chr2	N/A	5	56.89
SHPK	37.45	chr17	17p13	26	92.84
Hs.147420	37.44	chr14	N/A	3	29.03
MRAP	37.44	chr21	21q22.1	32	148.76
C2CD2L	37.43	chr11	11q23.3	32	80.24
ZNF266	37.43	chr19	19p13.2	48	100.63
PLVAP	37.43	chr19	19p13.2	36	92.21
Hs.547539	37.42	chr2	N/A	3	29.78
Hs.582650	37.41	chr6	N/A	3	7.37
KLHL5	37.41	chr4	4p14	86	143.01
PHF15	37.40	chr5	5q31.1	68	117.22
Hs.711066	37.40	chr2	N/A	1	0.00
Hs.654703	37.39	chr3	N/A	7	179.56
NAT14	37.39	chr19	19q13.42	26	75.63
Hs.651548	37.39	chr3	N/A	3	28.01
TEDDM1	37.38	chr1	1q25.3	29	334.96
GFRA4	37.38	chr20	20p13-p12	25	79.05
Hs.185701	37.38	chr15	N/A	22	122.61
OXR1	37.37	chr8	8q23	74	125.50

TCFL5	37.37	chr20	20q13.3-qter	41	106.22
Hs.708404	37.37	chr4	N/A	7	57.75
Hs.663256	37.37	chr1	N/A	1	0.00
CEP250	37.36	chr20	20q11.22	51	219.48
MCM8	37.36	chr20	20p12.3	43	232.95
Hs.578738	37.36	chr16	N/A	3	8.65
DOCK9	37.35	chr13	13q32.3	71	149.59
CAMK2A	37.34	chr5	5q32	42	108.64
Hs.709781	37.34	chr16	N/A	1	0.00
Hs.580053	37.34	chr2	N/A	3	10.11
PRRC1	37.33	chr5	5q23.2	47	96.43
GLYCTK	37.33	chr3	3p21.1	18	49.36
CWC25	37.33	chr17	17q12	39	73.66
SOX4	37.32	chr6	6p22.3	71	167.34
Hs.122994	37.32	chr7	N/A	3	46.48
GATSL3	37.31	chr22	22q12	14	65.58
SETD2	37.31	chr3	3p21.31	72	93.09
TNFRSF13B	37.31	chr17	17p11.2	23	139.26
ATP11A	37.30	chr13	13q34	110	148.43
Hs.592579	37.30	chr12	N/A	17	59.05
SRD5A1	37.29	chr5	5p15	55	154.94
FTSJ1	37.28	chrX	Xp11.23	58	83.94
ZC3H12C	37.28	chr11	11q22.3	25	78.85
CTSG	37.28	chr14	14q11.2	39	82.62
HN1L	37.28	chr16	16p13.3	75	102.03
TTC9C	37.28	chr11	11q12.3	43	86.67
GID4	37.27	chr17	17p11.2	33	130.41
SH3TC1	37.26	chr4	4p16.1	36	163.38
BRMS1L	37.26	chr14	14q13.2	40	106.17
FAM13A	37.26	chr4	4q22.1	90	160.58
Hs.745264	37.26	chr1	N/A	7	52.08
RGP1	37.26	chr9	9pter-p22.1	38	83.96
Hs.542506	37.25	chr20	N/A	3	21.95
ABHD8	37.24	chr19	19p13.11	21	173.79
MPZL2	37.24	chr11	11q24	81	182.04
Hs.707066	37.23	chr2	N/A	5	64.42
Hs.543153	37.23	chr3	N/A	3	31.86
Hs.659949	37.22	chr13	N/A	7	46.44
LOC100129115	37.22	chr17	17q21.31	10	43.45
ELMO1	37.22	chr7	7p14.1	66	134.09
Hs.540572	37.22	chr16	N/A	3	12.21
EGFL8	37.21	chr6	6p21.32	33	63.66
RPP40	37.21	chr6	6p25.1	30	118.85
Hs.635225	37.21	chr6	N/A	2	12.51
Hs.645036	37.20	chr22	N/A	3	12.27
Hs.545631	37.19	chr9	N/A	3	25.47
Hs.539024	37.19	chr11	N/A	3	29.99
FBXO22	37.19	chr15	15q24.2	64	77.47
DARS2	37.18	chr1	1q25.1	21	56.54
CNST	37.18	chr1	1q44	56	120.29
DNAJB14	37.17	chr4	4q23	58	90.64
TGFBR1	37.17	chr9	9q22	68	168.90
LTB4R2	37.17	chr14	14q11.2-q12	59	152.53
UPP1	37.16	chr7	7p12.3	56	137.31
GGTLC1	37.16	chr20	20p11.1	27	130.76
NPAP1	37.15	chr15	15q11-q13	21	132.77
Hs.656379	37.15	chr3	N/A	1	0.00
Hs.602267	37.15	chr9	N/A	1	0.00
HCG8	37.15	chr6	6p21.3	24	49.96
WWTR1	37.15	chr3	3q23-q24	90	99.95
TIFA	37.14	chr4	4q25	37	114.50
TMEM186	37.14	chr16	16p13.2	30	59.39
Hs.712892	37.13	chr6	N/A	7	97.57
ARHGAP20	37.12	chr11	11q23.1	37	332.59
KAZN	37.12	chr1	1p36.21	78	161.99
E4F1	37.12	chr16	16p13.3	36	140.28

PAOX	37.12	chr10	10q26.3	73	87.68
RAB43	37.11	chr3	3q21.3	53	77.40
RTBDN	37.11	chr19	19p12	32	120.04
NFKBIL1	37.09	chr6	6p21.3	30	109.72
SGMS1	37.09	chr10	10q11.2	63	98.63
IQGAP3	37.09	chr1	1q21.3	33	115.25
Hs.458447	37.09	chr10	N/A	24	71.63
Hs.540087	37.09	chr14	N/A	3	50.26
Hs.732923	37.08	chr3	N/A	1	0.00
Hs.100261	37.08	chr10	N/A	25	65.03
NACAD	37.07	chr7	7p13	23	163.56
Hs.638683	37.07	chr2	N/A	10	45.09
LGALS7	37.07	chr19	19q13.2	58	89.42
Hs.573162	37.07	chr5	N/A	10	225.97
WASH1	37.07	chr9	9p24.3	32	157.88
FIBCD1	37.07	chr9	9q34.12	22	104.02
Hs.508889	37.06	chr14	N/A	3	15.84
TRMT11	37.06	chr6	6q11.1-q22.33	51	124.41
Hs.667093	37.06	chr15	N/A	7	199.45
Hs.660312	37.05	chr1	N/A	11	65.17
ARHGAP5-AS1	37.05	chr14	14q12	32	77.17
Hs.729126	37.05	chr5	N/A	7	174.10
LRRN2	37.04	chr1	1q32.1	46	95.26
PIGQ	37.03	chr16	16p13.3	44	100.22
WWC2	37.03	chr4	4q35.1	70	90.43
Hs.633088	37.03	chr19	N/A	2	101.75
ADNP2	37.03	chr18	18q23	40	114.77
Hs.664761	37.02	chr6	N/A	3	39.19
BCOR	37.01	chrX	Xp11.4	62	124.29
C1orf222	37.01	chr1	1p36.33	11	83.72
Hs.734467	37.01	chr17	N/A	1	0.00
Hs.730726	37.00	chr17	N/A	11	75.19
Hs.726283	37.00	chr9	N/A	7	182.33
IGFBP1	36.99	chr7	7p13-p12	49	271.62
TECTB	36.99	chr10	10q25-q26	19	244.56
WT1	36.98	chr11	11p13	40	123.57
Hs.608257	36.98	chr17	N/A	7	46.65
Hs.182045	36.97	chr15	N/A	3	39.56
NRK	36.97	chrX	Xq22.3	38	319.53
Hs.670185	36.95	chr6	N/A	1	0.00
LFNG	36.93	chr7	7p22.2	44	113.26
Hs.702528	36.93	chr1	N/A	7	55.28
FPGS	36.93	chr9	9q34.1	53	114.06
PPP1R3G	36.93	chr6	6p25.1	4	21.08
RTKN	36.93	chr2	2p13.1	44	155.18
OR52N2	36.93	chr11	11p15.4	8	76.54
Hs.667313	36.92	chr5	N/A	1	0.00
Hs.565152	36.92	chr18	N/A	3	17.55
RBM45	36.91	chr2	2q31.2	19	57.78
ALG2	36.91	chr9	9q22.33	25	44.10
Hs.595318	36.91	chr4	N/A	10	29.05
PLEKHH3	36.90	chr17	17q21.2	36	87.56
TPMT	36.90	chr6	6p22.3	80	99.38
Hs.255491	36.89	chr3	N/A	1	0.00
Hs.599423	36.89	chr15	N/A	9	178.79
RASA4	36.87	chr7	7q22	37	115.28
SIK2	36.87	chr11	11q23.1	62	97.10
Hs.596827	36.87	chr2	N/A	7	72.98
PI3	36.86	chr20	20q13.12	35	89.41
SLC2A5	36.85	chr1	1p36.2	63	125.25
SELRC1	36.85	chr1	1p32.3	22	60.54
Hs.192506	36.84	chr5	N/A	3	29.20
HRASLS2	36.84	chr11	11q12.3	41	101.80
TIAM2	36.83	chr6	6q25.2	33	101.66
ESCO1	36.83	chr18	18q11.2	38	77.38
TNIK	36.82	chr3	3q26.31	50	152.56

CLP1	36.81	chr11	11q12	41	81.50
Hs.630800	36.81	chr5	N/A	7	26.61
Hs.564902	36.80	chr16	N/A	3	13.03
FCF1	36.80	chr14	14q24.3	36	81.00
Hs.566077	36.79	chr4	N/A	3	73.64
Hs.597465	36.79	chr7	N/A	7	83.67
DYRK3	36.79	chr1	1q32.1	47	230.79
BBIP1	36.78	chr10	10q25.2	82	152.51
Hs.596515	36.77	chr15	N/A	1	0.00
Hs.444152	36.77	chr13	N/A	3	64.88
LINC00173	36.77	chr12	12q24.22	26	163.63
Hs.597358	36.76	chr1	N/A	7	84.39
SCGB3A2	36.76	chr5	5q32	38	148.96
Hs.573373	36.76	chr7	N/A	5	73.72
SLC5A11	36.75	chr16	16p12.1	19	197.91
SFT2D3	36.75	chr2	2q14.3	41	139.47
Hs.693271	36.75	chr9	N/A	2	27.81
Hs.444999	36.74	chr15	N/A	3	4.02
Hs.710244	36.74	chr5	N/A	11	97.88
GPR119	36.73	chrX	Xq26.1	18	56.04
Hs.552336	36.73	chr10	N/A	3	33.44
Hs.666915	36.72	chr8	N/A	14	101.97
HLX	36.71	chr1	1q41	33	99.82
COPG2	36.70	chr7	7q32	37	78.65
NAT1	36.70	chr8	8p22	50	133.93
Hs.558027	36.69	chr14	N/A	3	18.55
ERC1	36.69	chr12	12p13.3	90	165.97
Hs.351851	36.69	chr10	N/A	5	87.91
HEATR5A	36.69	chr14	14q12	25	112.14
GNG3	36.68	chr11	11p11	28	205.55
Hs.604384	36.68	chr1	N/A	7	213.48
Hs.560376	36.67	chr15	N/A	3	11.46
MRV11	36.67	chr11	11p15	31	55.90
FAM199X	36.67	chrX	Xq22.2	54	219.11
Hs.596140	36.67	chr11	N/A	3	9.29
PARVG	36.66	chr22	22q13.31	41	224.20
OR10W1	36.66	chr11	11q12.1	11	138.59
Hs.601581	36.65	chrX	N/A	7	145.65
Hs.670124	36.64	chr18	N/A	1	0.00
LOC728392	36.64	chr17	17p13.2	10	80.67
MGME1	36.64	chr20	20p11.23	34	111.55
PAK6	36.64	chr15	15q14	32	80.37
PRG4	36.63	chr1	1q25-q31	36	127.49
SPIRE2	36.63	chr16	16q24	29	254.20
Hs.591248	36.62	chr5	N/A	15	104.96
NRBF2	36.61	chr10	10q21.3	29	99.37
Hs.43938	36.61	chr5	N/A	4	73.39
Hs.543470	36.61	chr4	N/A	3	60.59
SERPIN8	36.61	chr18	18q22.1	59	115.53
MRGPRX4	36.61	chr11	11p15.1	19	195.48
Hs.469033	36.61	chr2	N/A	3	65.08
Hs.117067	36.60	chr5	N/A	10	85.98
TK1	36.60	chr17	17q23.2-q25.3	34	75.61
CD274	36.59	chr9	9p24	32	111.28
CMTM4	36.59	chr16	16q21-q22.1	65	103.03
Hs.577805	36.59	chr12	N/A	3	19.61
Hs.637827	36.58	chr12	N/A	4	57.54
LMOD1	36.57	chr1	1q32	35	66.75
FBXO6	36.57	chr1	1p36.22	24	87.85
NXNL1	36.57	chr19	19p13.11	19	68.31
ENPP2	36.57	chr8	8q24.1	58	88.83
SETD8	36.56	chr12	12q24.31	65	149.96
VPS13A	36.56	chr9	9q21	100	121.75
LPGAT1	36.56	chr1	1q32	59	177.93
LOC100293704	36.55	chr12	N/A	5	10.80
PRB3	36.55	chr12	12p13.2	24	96.83

ARSI	36.55	chr5	5q32	25	178.14
Hs.550960	36.55	chr2	N/A	3	20.15
GJC2	36.54	chr1	1q42.13	34	93.06
POLR3F	36.53	chr20	20p11.23	30	59.92
ZBTB49	36.52	chr4	4p16.3	28	258.86
Hs.622292	36.52	chrX	N/A	10	51.21
FLYWCH1	36.52	chr16	16p13.3	48	163.12
Hs.660696	36.51	chr12	N/A	1	0.00
IFIT2	36.51	chr10	10q23.31	55	67.13
ZNF426	36.50	chr19	19p13.2	21	55.93
NF2	36.50	chr22	22q12.2	125	176.53
RNF121	36.50	chr11	11q13.4	71	157.72
Hs.159070	36.50	chr2	N/A	3	17.69
Hs.616287	36.49	chr3	N/A	10	31.81
FLJ41200	36.49	chr9	9p23	3	25.28
PLXDC1	36.49	chr17	17q21.1	46	59.28
PDE4D	36.49	chr5	5q12	99	216.21
ALKBH6	36.48	chr19	19q13.12	19	79.41
Hs.543003	36.47	chr3	N/A	3	26.21
BCL7A	36.47	chr12	12q24.13	75	138.56
Hs.259490	36.47	chr5	N/A	3	26.42
Hs.533323	36.47	chr6	N/A	7	74.84
C22orf46	36.47	chr22	22q13.2	36	156.99
Hs.745117	36.47	chr20	N/A	1	0.00
CAMK1	36.47	chr3	3p25.3	43	70.16
IBA57	36.46	chr1	1q42.13	35	81.79
BBS9	36.45	chr7	7p14	63	122.77
BATF2	36.45	chr11	11q13.1	21	129.78
Hs.577721	36.44	chr12	N/A	3	40.29
ST8SIA6	36.44	chr10	10p12.33	7	147.89
ESF1	36.44	chr20	20p12.1	39	111.03
Hs.710312	36.44	chr18	N/A	2	129.87
ZNF260	36.44	chr19	19q13.12	14	53.04
CNTROB	36.44	chr17	17p13.1	37	73.46
HCK	36.43	chr20	20q11-q12	32	90.79
EIF4E	36.43	chr4	4q21-q25	105	119.44
Hs.733299	36.42	chrY	N/A	7	26.55
NAB1	36.41	chr2	2q32.3-q33	71	107.94
KRTAP4-8	36.41	chr17	17q21.2	12	40.05
TCF3	36.41	chr19	19p13.3	112	99.32
SDCCAG3	36.41	chr9	9q34.3	47	122.34
Hs.649278	36.40	chr1	N/A	3	27.61
FNDC3A	36.39	chr13	13q14.2	53	82.51
LRRC28	36.39	chr15	15q26.3	49	118.11
INPP5J	36.39	chr22	22q12.2	31	136.71
CTAGE4	36.39	chr7	7q35	29	72.85
SCAMP4	36.39	chr19	19p13.3	64	270.97
TMEM184C	36.38	chr4	4q31.23	38	76.24
Hs.658662	36.38	chr1	N/A	7	65.33
ZNF30	36.38	chr19	19q13.11	23	87.55
USP24	36.38	chr1	1p32.3	64	114.54
IRGQ	36.37	chr19	19q13.31	50	132.63
Hs.661927	36.37	chr15	N/A	7	91.35
FAM171B	36.37	chr2	2q32.1	65	350.82
Hs.664639	36.37	chr7	N/A	7	57.67
VPS54	36.37	chr2	2p13-p14	43	92.21
C11orf42	36.36	chr11	11p15.4	17	88.02
Hs.581912	36.36	chr4	N/A	3	33.47
INPP4A	36.36	chr2	2q11.2	102	153.41
Hs.633838	36.35	chr12	N/A	10	230.91
ETV1	36.35	chr7	7p21.3	86	163.34
KIF26A	36.35	chr14	14q32.33	21	54.61
Hs.696417	36.35	chr2	N/A	7	45.30
CASD1	36.34	chr7	7q21.3	52	109.86
HS1BP3	36.34	chr2	2p24.1	51	133.00
EPM2A	36.34	chr6	6q24	63	117.39

Hs.565582	36.34	chr2	N/A	3	9.76
RADIL	36.34	chr7	7p22.1	35	77.51
Hs.667844	36.34	chr11	N/A	1	0.00
Hs.403213	36.33	chr6	N/A	3	20.71
Hs.657868	36.32	chr12	N/A	1	0.00
RIMKLA	36.32	chr1	1p34.2	34	82.07
RNF113B	36.31	chr13	13q32.2	18	144.73
ITIH4	36.31	chr3	3p21.1	36	81.86
SLC17A8	36.31	chr12	12q23.1	29	346.23
MOSPD2	36.31	chrX	Xp22.2	53	135.17
Hs.542803	36.30	chr3	N/A	3	25.73
Hs.587290	36.30	chr5	N/A	25	106.22
SLITRK2	36.29	chrX	Xq27.3	51	343.23
Hs.572999	36.29	chr3	N/A	3	12.47
PNMT	36.28	chr17	17q	30	171.54
TUB	36.28	chr11	11p15.5	63	103.72
XAF1	36.28	chr17	17p13.1	58	71.54
RIPK2	36.28	chr8	8q21	43	96.78
ALDH3B1	36.28	chr11	11q13	49	132.51
FAT3	36.27	chr11	11q14.3	37	260.57
Hs.736537	36.27	chr7	N/A	3	17.78
TGDS	36.27	chr13	13q32.1	47	94.42
CD3EAP	36.27	chr19	19q13.3	38	79.65
EPN3	36.26	chr17	17q21.33	32	63.30
AASS	36.26	chr7	7q31.3	45	69.22
POT1	36.25	chr7	7q31.33	53	134.85
NUGGC	36.24	chr8	8p21.1	14	79.50
CORO2B	36.24	chr15	15q23	26	57.09
EPPK1	36.24	chr8	8q24.3	35	125.64
Hs.535775	36.24	chr5	N/A	15	118.87
LOC100506233	36.23	chr11	N/A	26	52.02
Hs.582445	36.22	chr5	N/A	3	4.32
TM6SF1	36.22	chr15	15q24-q26	21	71.24
IFNL3	36.22	chr19	19q13.13	17	129.59
Hs.658510	36.22	chrX	N/A	8	50.23
Hs.662616	36.22	chr18	N/A	2	126.01
Hs.317051	36.22	chr13	N/A	5	79.30
FLJ27354	36.21	chr1	1p22.2	3	24.99
AGAP9	36.21	chr10	10q11.22	40	64.76
EVI5	36.21	chr1	1p22.1	74	130.42
Hs.526759	36.21	chr3	N/A	3	15.23
KIAA0586	36.20	chr14	14q23.1	52	72.13
THAP10	36.20	chr15	15q23	21	94.15
Hs.592571	36.20	chr16	N/A	8	44.94
PATE2	36.20	chr11	11q24.2	7	90.84
Hs.732586	36.20	chr4	N/A	8	63.46
Hs.694877	36.20	chr10	N/A	8	58.18
Hs.164470	36.19	chr16	N/A	14	114.54
TRAPPC6B	36.19	chr14	14q21.1	44	139.80
C17orf80	36.19	chr17	17q25.1	42	86.79
FLG-AS1	36.19	chr1	1q21.3	8	141.97
ZNF502	36.19	chr3	3p21.31	22	85.58
Hs.688052	36.19	chr4	N/A	3	28.53
TMPRSS15	36.19	chr21	21q21.1	38	200.81
PPL	36.18	chr16	16p13.3	29	54.19
ARMC5	36.17	chr16	16p11.2	26	84.50
Hs.560987	36.17	chr20	N/A	3	7.86
CPA3	36.17	chr3	3q24	30	82.40
Hs.659921	36.17	chr1	N/A	1	0.00
RRERG	36.17	chr12	12p12.3	51	78.65
WBSCR16	36.16	chr7	7q11.23	49	94.36
MED6	36.16	chr14	14q24.2	59	156.91
Hs.713829	36.16	chr12	N/A	10	39.34
Hs.596854	36.16	chr1	N/A	3	49.23
EGR2	36.16	chr10	10q21.1	30	94.89
SETDB2	36.15	chr13	13q14	59	91.12

Hs.350754	36.15	chr2	N/A	11	49.93
CHMP7	36.15	chr8	8p21.3	42	62.14
CELA1	36.15	chr12	12q13	29	123.83
ICK	36.14	chr6	6p12.1	47	235.25
Hs.550184	36.14	chr3	N/A	3	8.01
CDC42EP2	36.13	chr11	11q13	38	85.40
Hs.98013	36.13	chr2	N/A	10	146.63
Hs.710631	36.12	chr19	N/A	7	89.75
IFIT3	36.12	chr10	10q24	30	97.97
CCDC30	36.11	chr1	1p34.2	54	365.85
TRMT10B	36.11	chr9	9p13.2	47	215.24
Hs.661290	36.10	chr2	N/A	7	45.86
Hs.706936	36.10	chr7	N/A	3	8.14
NAA11	36.10	chr4	4q21.21	18	43.76
Hs.557991	36.10	chr12	N/A	3	25.34
FRG1B	36.10	chr20	20q11.21	4	50.94
DUS2L	36.10	chr16	16q22.1	33	101.16
NMNAT1	36.08	chr1	1p36.22	31	61.74
RNF183	36.08	chr9	9q32	31	71.06
Hs.668196	36.08	chr17	N/A	7	65.47
Hs.601877	36.07	chr6	N/A	2	43.52
Hs.657088	36.07	chr10	N/A	8	116.88
CABLES2	36.07	chr20	20q13.33	26	87.48
Hs.542706	36.07	chr22	N/A	3	20.11
C12orf43	36.07	chr12	12q	27	86.91
Hs.442427	36.07	chr20	N/A	3	26.85
Hs.664312	36.07	chr4	N/A	1	0.00
NFKBIB	36.06	chr19	19q13.1	60	93.01
Hs.708375	36.06	chr3	N/A	3	7.33
Hs.187290	36.06	chr5	N/A	3	7.27
C1RL-AS1	36.06	chr12	12p13.31	2	14.37
TOPBP1	36.06	chr3	3q22.1	37	106.79
RNF216	36.05	chr7	7p22.1	80	135.02
DENND3	36.05	chr8	8q24.3	56	92.84
FAM60A	36.05	chr12	12p11	56	121.90
LOC100287877	36.05	chr1	1p36.31	4	58.43
SLC16A10	36.04	chr6	6q21-q22	33	151.64
Hs.734487	36.03	chr18	N/A	3	26.86
LINC00667	36.03	chr18	18p11.31	42	87.17
Hs.660447	36.03	chr12	N/A	1	0.00
Hs.732780	36.03	chr2	N/A	7	49.00
Hs.545230	36.02	chr8	N/A	3	58.20
Hs.730742	36.02	chr2	N/A	7	82.04
HM13	36.02	chr20	20q11.21	48	98.93
CACNB3	36.02	chr12	12q13	45	94.28
MCM5	36.01	chr22	22q13.1	42	85.46
Hs.573179	36.01	chr5	N/A	1	0.00
ZNF595	36.01	chr4	4p16.3	36	141.49
Hs.568624	36.01	chr1	N/A	3	62.09
Hs.560004	36.01	chr12	N/A	3	30.83
LOC100288144	36.00	chr14	14q32.33	10	162.19
Hs.721872	36.00	chr10	N/A	10	23.10
SFRP4	35.99	chr7	7p14.1	38	90.00
EPB41L3	35.99	chr18	18p11.32	42	155.38
CEACAM1	35.99	chr19	19q13.2	80	102.97
FRA10AC1	35.99	chr10	10q23.33	66	120.44
SYTL1	35.98	chr1	1p36.11	36	207.12
CTHRC1	35.98	chr8	8q22.3	27	130.23
Hs.710421	35.98	chr15	N/A	8	65.99
DEFB107B	35.98	chr8	8p23.1	4	65.08
Hs.676149	35.98	chrX	N/A	1	0.00
TTC8	35.98	chr14	14q31.3	27	41.25
C3orf62	35.97	chr3	3p21.31	47	225.33
Hs.726869	35.97	chr16	N/A	5	52.15
CDKL5	35.96	chrX	Xp22	45	129.32
REEP4	35.96	chr8	8p21.3	21	106.95

SMG8	35.96	chr17	17q22	38	91.06
LRRTM1	35.95	chr2	2p12	26	155.46
TMEM67	35.95	chr8	8q22.1	35	87.86
RTTN	35.95	chr18	18q22.2	41	118.36
SNHG8	35.95	chr4	4q26	29	115.92
ITGAM	35.95	chr16	16p11.2	54	106.84
OAS2	35.94	chr12	12q24.2	79	125.31
Hs.155607	35.94	chr1	N/A	3	19.47
PDE4A	35.93	chr19	19p13.2	69	111.36
Hs.554567	35.93	chr13	N/A	3	12.55
Hs.622444	35.93	chr3	N/A	9	43.25
MIF4GD	35.93	chr17	17q25.1	20	84.65
CDC14B	35.92	chr9	9q22.3	98	112.53
CYP21A2	35.92	chr6	6p21.3	32	166.75
Hs.600692	35.92	chr3	N/A	7	209.03
Hs.720526	35.92	chr16	N/A	9	148.90
Hs.721793	35.91	chr10	N/A	1	0.00
WDR47	35.91	chr1	1p13.3	33	95.43
Hs.468239	35.90	chr2	N/A	8	102.08
PCK2	35.90	chr14	14q11.2	53	104.59
Hs.658357	35.89	chr12	N/A	1	0.00
Hs.27296	35.89	chr6	N/A	8	87.01
EFS	35.89	chr14	14q11.2-q12	38	80.13
SOX17	35.88	chr8	8q11.23	80	92.45
PEG3	35.88	chr19	19q13.4	70	107.32
Hs.669989	35.88	chr2	N/A	3	73.59
C12orf39	35.88	chr12	12p12.1	46	86.68
B3GNT9	35.87	chr16	16q22.1	60	103.52
TTC9B	35.87	chr19	19q13.2	18	92.39
OR6B3	35.86	chr2	2q37.3	8	58.74
KANSL1-AS1	35.86	chr17	17q21.31	19	118.13
PCDHA12	35.86	chr5	5q31	2	6.38
Hs.666301	35.86	chr18	N/A	8	134.75
Hs.663747	35.85	chr16	N/A	1	0.00
FANCI	35.84	chr15	15q26.1	59	204.88
C21orf119	35.84	chr21	21q22.11	36	72.79
Hs.600805	35.83	chr2	N/A	10	102.84
Hs.594650	35.82	chr15	N/A	7	51.74
SLC46A1	35.82	chr17	17q11.2	52	104.63
LRRRC61	35.82	chr7	7q31-q35	52	109.49
NME5	35.82	chr5	5q31	37	110.46
C19orf48	35.81	chr19	19q13.33	32	91.03
LRRRC23	35.81	chr12	12p13	42	75.66
TPK1	35.81	chr7	7q34-q35	53	334.36
Hs.522355	35.80	chr9	N/A	3	9.23
GRK6	35.80	chr5	5q35	53	81.44
PRR3	35.80	chr6	6p21.33	62	135.76
DDX20	35.79	chr1	1p21.1-p13.2	27	49.43
Hs.569518	35.79	chr12	N/A	3	35.07
GTF2E1	35.79	chr3	3q21-q24	50	74.03
CEPT1	35.79	chr1	1p13.3	64	119.22
IFT80	35.79	chr3	3q25.33	66	194.07
Hs.244740	35.79	chr15	N/A	3	24.50
CHST5	35.78	chr16	16q22.3	30	69.95
KLHL36	35.77	chr16	16q24.1	38	97.97
Hs.537890	35.77	chr1	N/A	3	42.50
SETDB1	35.77	chr1	1q21	45	69.03
ZSCAN32	35.77	chr16	16p13.3	36	73.02
DMBT1	35.76	chr10	10q26.13	31	242.31
Hs.552561	35.76	chr8	N/A	3	14.87
Hs.730743	35.76	chr11	N/A	2	110.00
PRPF19	35.75	chr11	11q12.2	32	99.40
Hs.223803	35.74	chr19	N/A	14	52.43
RIMBP2	35.74	chr12	12q24.33	47	254.59
MLST8	35.73	chr16	16p13.3	28	117.02
GPR89A	35.73	chr1	1q21.1	19	71.41

SLC9A4	35.73	chr2	2q12.1	9	109.44
MAGEE1	35.73	chrX	Xq13.3	23	105.69
LRP11	35.72	chr6	6q25.1	16	120.95
Hs.593415	35.72	chr11	N/A	11	81.50
Hs.584275	35.72	chr9	N/A	3	19.24
KRTAP4-5	35.72	chr17	17q12-q21	19	231.89
ARHGAP24	35.71	chr4	4q22.1	91	114.09
Hs.157818	35.71	chr3	N/A	3	88.31
GTSE1	35.70	chr22	22q13.2-q13.3	102	146.73
Hs.662839	35.70	chr15	N/A	1	0.00
IQCK	35.70	chr16	16p12.3	52	109.40
PRAM1	35.70	chr19	19p13.2	19	59.94
Hs.543163	35.69	chr3	N/A	3	33.10
TWISTNB	35.69	chr7	7p21.1	57	80.03
HOXD9	35.68	chr2	2q31.1	42	231.61
Hs.569411	35.68	chr14	N/A	3	21.90
DIO2	35.66	chr14	14q24.2-q24.3	87	145.96
AQR	35.66	chr15	15q14	49	115.79
PPM1N	35.66	chr19	19q13.32	25	96.63
ELMO2	35.65	chr20	20q13	60	140.84
Hs.729480	35.65	chr18	N/A	7	130.50
LCE3D	35.65	chr1	1q21	19	190.89
RINT1	35.64	chr7	7q22.3	110	39.72
SLC24A6	35.64	chr12	12q24.13	36	115.15
OR10A5	35.64	chr11	11p15.4	14	70.07
Hs.61184	35.64	chrX	N/A	3	8.94
Hs.719197	35.63	chr2	N/A	7	207.21
ILKAP	35.63	chr2	2q37.3	38	81.65
SLC35B4	35.63	chr7	7q33	57	154.73
CEP68	35.63	chr2	2p14	91	87.54
YKT6	35.62	chr7	7p15.1	49	98.77
Hs.529324	35.62	chr4	N/A	3	25.95
RALYL	35.62	chr8	8q21.2	30	183.62
Hs.745090	35.62	chr12	N/A	7	78.31
NDUFB2-AS1	35.61	chr7	7q34	24	95.57
Hs.601036	35.61	chr18	N/A	7	82.49
ZNF319	35.61	chr16	16q21	22	123.07
LOC100130987	35.61	chr11	11q13.2	2	8.15
IMPACT	35.61	chr18	18q11.2-q12.1	42	57.47
TAF3	35.60	chr10	10p15.1	50	68.32
BCL11A	35.60	chr2	2p16.1	79	87.38
Hs.565001	35.60	chr17	N/A	3	17.28
Hs.539259	35.59	chr12	N/A	3	26.29
ZWILCH	35.59	chr15	15q22.31	35	321.33
C14orf142	35.59	chr14	14q32.12	26	67.61
GTF2H2	35.59	chr5	5q13.2	36	71.62
PHC1	35.58	chr12	12p13	35	100.50
Hs.238964	35.58	chr2	N/A	1	0.00
GZMM	35.58	chr19	19p13.3	30	128.82
ZNF433	35.58	chr19	19p13.2	18	32.70
ZNF492	35.58	chr19	19p12	43	107.73
Hs.678222	35.57	chr10	N/A	7	46.33
WRAP53	35.57	chr17	17p13.1	47	231.06
DHRS4L1	35.57	chr14	14q11.2	3	10.47
TMEM171	35.56	chr5	5q13.2	20	132.82
FAM21B	35.56	chr10	10q11.22	12	45.18
C2orf27A	35.56	chr2	2q21.2	53	299.62
Hs.640546	35.56	chr17	N/A	3	6.36
FGD4	35.55	chr12	12p11.21	53	129.91
SLC11A1	35.55	chr2	2q35	84	176.68
SLC9A1	35.55	chr1	1p36.1-p35	112	182.99
TMEM45A	35.55	chr3	3q12.2	38	88.89
IDNK	35.55	chr9	9q21.32	26	92.47
PTPRF	35.54	chr1	1p34	61	84.27
ZNF585B	35.54	chr19	19q13.12	35	72.51
RC3H1	35.54	chr1	1q25.1	45	101.79

HCN3	35.53	chr1	1q22	19	59.15
Hs.543347	35.53	chr4	N/A	3	51.50
Hs.719507	35.53	chr10	N/A	1	0.00
C12orf29	35.53	chr12	12q21.32	48	94.15
Hs.180284	35.53	chr1	N/A	17	80.57
ACD	35.52	chr16	16q22.1	30	93.76
MBTPS2	35.52	chrX	Xp22.12-p22.11	55	150.77
ZNF414	35.52	chr19	19p13.2	44	142.30
MYCBPAP	35.51	chr17	17q21.33	22	224.76
RNF165	35.51	chr18	18q21.1	17	106.97
Hs.559789	35.50	chr10	N/A	3	34.98
Hs.658198	35.50	chr4	N/A	14	96.66
KAT6B	35.50	chr10	10q22.2	88	124.69
FAM63B	35.50	chr15	15q21.3	40	73.21
SAYSD1	35.49	chr6	6p21.2	56	99.45
Hs.527657	35.49	chr1	N/A	4	62.78
Hs.666211	35.49	chr11	N/A	1	0.00
Hs.710450	35.49	chr13	N/A	7	68.40
LRP4	35.48	chr11	11p11.2	32	68.70
FOXF1	35.48	chr16	16q24	30	141.66
HTT	35.48	chr4	4p16.3	56	99.27
LRRC8D	35.48	chr1	1p22.2	21	59.65
Hs.594902	35.48	chr13	N/A	16	138.72
Hs.171965	35.47	chr18	N/A	8	61.57
LOC338817	35.47	chr12	12p13.2	4	68.45
ZMYND19	35.46	chr9	9q34.3	26	99.00
CPLX2	35.46	chr5	5q35.2	49	162.65
DDX26B	35.45	chrX	Xq26.3	27	109.35
Hs.131038	35.45	chr12	N/A	10	286.51
SMARCAL1	35.45	chr2	2q35	28	82.86
BET1L	35.45	chr11	11p15.5	44	103.67
XPO7	35.45	chr8	8p21	57	117.70
Hs.596523	35.45	chr19	N/A	5	108.27
MGC27345	35.45	chr7	7q32.1	31	54.78
FAM193A	35.44	chr4	4p16.3	62	108.03
Hs.669786	35.43	chr17	N/A	1	0.00
ZNF418	35.43	chr19	19q13.43	29	50.20
POLR2J3	35.43	chr7	7q22.1	22	110.93
RPP25	35.43	chr15	15q24.2	22	93.13
Hs.661546	35.43	chr1	N/A	8	168.09
OR4K17	35.42	chr14	14q11.2	23	92.36
NR4A2	35.41	chr2	2q22-q23	45	88.83
CYP2R1	35.41	chr11	11p15.2	40	91.52
Hs.637563	35.41	chr3	N/A	3	12.92
Hs.635082	35.41	chr22	N/A	3	34.01
Hs.573255	35.40	chr6	N/A	3	10.77
LOC100129455	35.40	chr2	2q31.1	11	52.22
LCOR	35.40	chr10	10q24	67	189.99
SCN3A	35.40	chr2	2q24	45	221.03
GEMIN2	35.39	chr14	14q13	55	82.52
GALNT2	35.39	chr1	1q41-q42	47	97.63
FAM83H	35.38	chr8	8q24.3	32	63.75
ISG20L2	35.38	chr1	1q23.1	49	113.53
FRZB	35.38	chr2	2qter	68	101.92
ACOX3	35.38	chr4	4p15.3	42	116.34
RDH10	35.37	chr8	8q21.11	63	153.19
Hs.689634	35.36	chr19	N/A	6	74.43
POLR3D	35.36	chr8	8q21	37	59.57
Hs.538299	35.36	chr10	N/A	3	28.21
Hs.353387	35.36	chr21	N/A	4	38.14
TTC31	35.35	chr2	2p13.1	42	90.47
SLC14A1	35.34	chr18	18q11-q12	74	98.73
RRP9	35.34	chr3	3p21.2	35	56.53
HAUS2	35.34	chr15	15q15.2	43	180.13
SPRR2D	35.33	chr1	1q21-q22	29	167.16
OXCT2	35.33	chr1	1p34	50	92.42

Hs.735802	35.33	chr1	N/A	1	0.00
FLJ11235	35.33	chr5	5q22.2	35	95.64
Hs.708456	35.31	chr3	N/A	4	89.62
PROM1	35.31	chr4	4p15.32	30	102.11
Hs.576798	35.31	chr10	N/A	3	13.23
KDM5B	35.31	chr1	1q32.1	62	152.95
C14orf93	35.31	chr14	14q11.2	28	65.68
SOCS6	35.30	chr18	18q22.2	60	107.13
CADPS2	35.30	chr7	7q31.3	49	119.92
AMPD3	35.30	chr11	11p15	62	173.25
GGCX	35.29	chr2	2p12	68	67.26
HSD17B1	35.29	chr17	17q11-q21	73	108.39
Hs.596502	35.29	chr14	N/A	7	79.41
LINC00094	35.29	chr9	9q34	15	63.62
Hs.127398	35.29	chr8	N/A	3	65.96
SECISBP2	35.29	chr9	9q22.2	60	94.14
Hs.744350	35.29	chr17	N/A	7	77.52
SHD	35.28	chr19	19p13.3	19	55.35
BORA	35.27	chr13	13q22.1	32	133.49
Hs.22302	35.27	chr9	N/A	32	69.00
Hs.744165	35.27	chr14	N/A	10	107.59
Hs.541161	35.27	chr18	N/A	3	45.55
Hs.614586	35.27	chr6	N/A	1	0.00
SYTL4	35.26	chrX	Xq21.33	20	97.62
Hs.640219	35.26	chr10	N/A	3	19.96
ZNF805	35.26	chr19	19q13.43	20	77.11
KATNBL1	35.25	chr15	15q14	81	142.86
PHLDA2	35.25	chr11	11p15.4	55	157.32
Hs.666495	35.25	chr13	N/A	4	58.49
Hs.666170	35.24	chr10	N/A	1	0.00
TRDMT1	35.24	chr10	10p15.1	61	495.62
ATG5	35.23	chr6	6q21	50	65.05
CGB	35.23	chr19	19q13.32	32	215.53
Hs.539375	35.22	chr12	N/A	2	16.56
Hs.577758	35.22	chr12	N/A	3	10.78
Hs.246508	35.22	chr10	N/A	3	39.66
HINFP	35.21	chr11	11q23.3	46	83.59
GPR107	35.20	chr9	9q34.11	68	97.93
Hs.565180	35.20	chr18	N/A	3	24.43
Hs.432980	35.20	chr7	N/A	3	30.87
Hs.584739	35.20	chr10	N/A	1	0.00
DUSP19	35.20	chr2	2q32.1	51	289.00
SMYD3	35.20	chr1	1q44	40	95.65
PIP4K2C	35.20	chr12	12q13.3	30	119.49
KLHL28	35.19	chr14	14q21.2	29	85.59
Hs.656151	35.19	chr12	N/A	8	67.01
Hs.192342	35.18	chr3	N/A	1	0.00
NECAB1	35.18	chr8	8q21.3	41	194.01
SNORA10	35.18	chr16	16p13.3	3	27.13
Hs.575784	35.18	chr1	N/A	3	33.54
DHRS4-AS1	35.18	chr14	14q11.2	17	97.12
USH1G	35.18	chr17	17q25.1	19	199.40
Hs.202313	35.17	chr6	N/A	3	43.10
CHRD1	35.16	chrX	Xq23	28	100.97
Hs.598790	35.16	chr10	N/A	1	0.00
LUC7L	35.16	chr16	16p13.3	31	67.82
Hs.732539	35.15	chr15	N/A	5	35.58
PDK3	35.15	chrX	Xp22.11	76	116.05
PDE12	35.14	chr3	3p14.3	67	196.85
ALG6	35.14	chr1	1p31.3	28	67.19
BOC	35.14	chr3	3q13.2	34	175.66
Hs.742502	35.13	chr8	N/A	3	23.76
N6AMT1	35.13	chr21	21q21.3	26	71.54
CD209	35.13	chr19	19p13	44	115.14
AGPAT4-IT1	35.12	chr6	6q26	19	203.44
ZSWIM1	35.12	chr20	20q13.12	41	130.86

Hs.543624	35.11	chr4	N/A	3	12.30
Hs.657621	35.11	chr8	N/A	1	0.00
ZFPL1	35.11	chr11	11q13	63	143.83
RUVBL1	35.10	chr3	3q21	70	107.50
Hs.666637	35.10	chr2	N/A	7	139.38
PRG2	35.10	chr11	11q12	35	130.10
Hs.633042	35.09	chr5	N/A	11	33.58
TAB1	35.09	chr22	22q13.1	35	96.21
CASKIN2	35.09	chr17	17q25.1	48	70.46
KCNJ12	35.08	chr17	17p11.2	38	98.02
Hs.144739	35.08	chr2	N/A	2	94.81
HIST1H2BI	35.08	chr6	6p22.1	21	56.01
OSCP1	35.08	chr1	1p34.3	39	76.04
RNLS	35.08	chr10	10q23.31	45	119.80
DTX4	35.08	chr11	11q12.1	34	172.37
SPHK1	35.07	chr17	17q25.2	31	65.23
FLJ46836	35.07	chr9	9q34.11	3	39.96
AP2A1	35.07	chr19	19q13.33	30	54.09
C9orf41	35.06	chr9	9q21.13	48	145.45
PRR12	35.06	chr19	19q13.33	25	54.89
POLR3B	35.05	chr12	12q23.3	44	104.18
IL17RD	35.05	chr3	3p14.3	41	162.66
TNNC2	35.05	chr20	20q12-q13.11	23	76.36
SBNO2	35.04	chr19	19p13.3	60	139.16
LOC100131825	35.04	chr1	1q23.2	12	125.85
Hs.656957	35.04	chr1	N/A	8	213.23
TP73-AS1	35.03	chr1	1p36.32	33	81.15
Hs.290538	35.03	chr14	N/A	10	229.87
Hs.435289	35.01	chr22	N/A	1	0.00
CDKN2A	35.01	chr9	9p21	74	130.50
Hs.121667	35.01	chr10	N/A	20	86.79
PNPLA7	35.01	chr9	9q34.3	34	132.46
ZNF182	35.00	chrX	Xp11.23	37	82.56
Hs.62772	35.00	chr4	N/A	11	116.10
FAM86A	34.99	chr16	16p13.3	42	99.94
UBR1	34.99	chr15	15q13	70	133.53
Hs.581554	34.99	chr3	N/A	3	6.08
TTPAL	34.98	chr20	20q13.12	49	72.25
Hs.710774	34.98	chr22	N/A	8	129.63
OR2AE1	34.98	chr7	7q22.1	5	94.41
C6orf57	34.97	chr6	6q13	26	93.87
Hs.662028	34.97	chr5	N/A	1	0.00
OASL	34.97	chr12	12q24.2	33	98.86
SLC25A15	34.97	chr13	13q14	31	75.75
ETV6	34.97	chr12	12p13	81	145.53
FUT1	34.96	chr19	19q13.3	33	120.45
CNOT6L	34.96	chr4	4q13.3	68	127.68
DCP1B	34.96	chr12	12p13.33	26	72.84
Hs.543880	34.96	chr5	N/A	3	40.89
Hs.539030	34.96	chr11	N/A	3	22.15
Hs.575551	34.96	chr8	N/A	3	24.52
Hs.663280	34.95	chr5	N/A	7	158.69
Hs.729532	34.95	chr2	N/A	19	52.46
Hs.501423	34.95	chr19	N/A	7	158.78
C3orf38	34.94	chr3	3p11.1	37	105.09
CHD1L	34.94	chr1	1q12	42	89.06
Hs.744382	34.94	chr21	N/A	7	77.01
PARG	34.94	chr10	10q11.23	32	114.36
Hs.676705	34.94	chr10	N/A	1	0.00
TNFAIP8L1	34.94	chr19	19p13.3	53	203.50
ZNF827	34.93	chr4	4q31.22	55	130.44
GABRB2	34.92	chr5	5q34	38	143.40
SFTPB	34.92	chr2	2p12-p11.2	88	230.34
TBX21	34.92	chr17	17q21.32	21	109.45
PRKRIP1	34.91	chr7	7q22.1	39	70.96
ROR1	34.91	chr1	1p32-p31	62	103.06

HCG18	34.91	chr6	6p21.3	95	112.58
NME7	34.90	chr1	1q24	24	55.02
CDA	34.90	chr1	1p36.2-p35	30	79.61
ADCK2	34.90	chr7	7q34	60	124.30
TMEM100	34.89	chr17	17q22	24	77.12
Hs.209253	34.89	chrX	N/A	11	38.16
Hs.542321	34.89	chr20	N/A	3	13.94
JARID2-AS1	34.89	chr6	N/A	16	64.83
DOLPP1	34.89	chr9	9q34.1	40	109.87
TRMT1	34.88	chr19	19p13.2	40	77.33
ARSA	34.88	chr22	22q13.33	44	73.76
ZKSCAN4	34.88	chr6	6p21	40	102.13
OR6V1	34.88	chr7	7q34	8	73.77
NFATC1	34.87	chr18	18q23	71	91.54
Hs.665466	34.87	chr3	N/A	1	0.00
Hs.596133	34.87	chr15	N/A	5	21.93
Hs.659882	34.87	chr15	N/A	1	0.00
Hs.721794	34.87	chr6	N/A	3	31.49
PTPN14	34.87	chr1	1q32.2	68	101.31
TET2	34.85	chr4	4q24	49	137.18
SYTL3	34.84	chr6	6q25.3	35	83.46
CDR2	34.83	chr16	16p12.3	40	102.59
BRE-AS1	34.83	chr2	2p23	1	0.00
Hs.545513	34.82	chr8	N/A	3	34.51
FLJ46906	34.82	chr6	6q24.1	8	113.07
MAMLD1	34.82	chrX	Xq28	37	77.93
JMJD4	34.82	chr1	1q42.13	30	54.69
SLC39A8	34.81	chr4	4q22-q24	64	121.35
Hs.141883	34.80	chr10	N/A	10	101.44
ZDHH17	34.80	chr12	12q21.2	81	124.92
Hs.537971	34.79	chr1	N/A	3	34.87
C1GALT1	34.79	chr7	7p21.3	47	101.47
SOS2	34.79	chr14	14q21	51	120.83
LOC100506190	34.79	chr9	N/A	46	109.83
PIK3R3	34.78	chr1	1p34.1	55	91.20
LIPT1	34.78	chr2	2q11.2	34	63.73
Hs.564673	34.78	chr14	N/A	3	18.55
ELMOD3	34.77	chr2	2p11.2	35	99.30
Hs.704211	34.77	chr12	N/A	3	3.12
FRMD4A	34.77	chr10	10p13	106	157.69
PRKCI	34.76	chr3	3q26.3	62	120.71
SEMA4D	34.76	chr9	9q22.2	69	112.62
MAP7D3	34.76	chrX	Xq26.3	58	72.45
Hs.741517	34.75	chr21	N/A	7	93.71
Hs.596728	34.75	chr15	N/A	7	41.67
FCRL6	34.75	chr1	1q23.2	7	118.04
LIN54	34.74	chr4	4q21.22	30	179.40
PARS2	34.74	chr1	1p32.2	36	99.67
RHEBL1	34.74	chr12	12q13.12	20	80.39
Hs.732743	34.73	chr14	N/A	8	58.66
Hs.679030	34.73	chr1	N/A	1	0.00
PRKCE	34.73	chr2	2p21	64	107.24
MZF1	34.73	chr19	19q13.4	55	125.85
PES1	34.73	chr22	22q12.1	40	73.87
LOC643339	34.73	chr12	12q22	3	28.03
Hs.252668	34.72	chr2	N/A	3	18.10
Hs.347034	34.71	chr10	N/A	13	130.36
Hs.708274	34.71	chr22	N/A	10	100.81
PRLHR	34.71	chr10	10q26.13	17	187.12
PCBP3	34.71	chr21	21q22.3	33	240.94
Hs.656441	34.71	chr7	N/A	1	0.00
USP3	34.71	chr15	15q22.3	46	132.36
Hs.664382	34.70	chr6	N/A	14	113.19
CERS5	34.70	chr12	12q13.12	47	87.07
Hs.664068	34.70	chr2	N/A	1	0.00
Hs.581245	34.69	chr3	N/A	3	23.81

Hs.659309	34.69	chr6	N/A	3	154.88
Hs.721355	34.69	chrX	N/A	10	38.75
Hs.569692	34.68	chr16	N/A	3	6.06
CNKSR2	34.68	chrX	Xp22.12	74	171.76
TTL7	34.68	chr1	1p31.1	44	202.69
YPEL1	34.67	chr22	22q11.2	49	55.94
IFNAR2	34.67	chr21	21q22.11	38	110.71
Hs.711116	34.67	chr7	N/A	3	26.23
CDK10	34.65	chr16	16q24	49	150.58
MSLN	34.64	chr16	16p13.3	37	147.87
Hs.658831	34.64	chr7	N/A	6	153.43
ZNF611	34.64	chr19	19q13.41	17	140.40
C22orf15	34.63	chr22	22q11.23	28	77.85
Hs.580251	34.63	chr2	N/A	3	26.83
SEPT8	34.63	chr5	5q31	50	86.54
Hs.573377	34.63	chr7	N/A	3	29.85
Hs.741894	34.63	chr6	N/A	17	63.23
Hs.737081	34.63	chr5	N/A	8	133.65
Hs.660212	34.62	chr5	N/A	7	39.24
Hs.545101	34.62	chr7	N/A	3	26.67
LINC00847	34.62	chr5	5q35.3	3	106.06
ATF7IP	34.61	chr12	12p13.1	64	145.04
C16orf11	34.61	chr16	16p13.3	16	100.24
Hs.577357	34.61	chr11	N/A	3	23.73
OR5M11	34.60	chr11	11q12.1	5	136.11
WNK2	34.59	chr9	9q22.3	62	113.41
ZNF417	34.59	chr19	19q13.43	25	93.43
Hs.709790	34.58	chr21	N/A	5	156.19
C2orf71	34.58	chr2	2p23.2	4	61.42
PSMG3	34.57	chr7	7p22.3	26	70.11
NCKIPSD	34.57	chr3	3p21	71	120.16
Hs.575202	34.57	chr7	N/A	10	28.26
Hs.582126	34.57	chr5	N/A	3	45.65
MAG	34.56	chr19	19q13.1	43	162.54
SAP25	34.56	chr7	7q22.1	7	47.73
IQGAP2	34.55	chr5	5q13.3	40	162.33
Hs.12316	34.55	chr3	N/A	8	55.48
LRR10B	34.55	chr11	11q12.2	1	0.00
GCC1	34.55	chr7	7q32.1	43	70.74
MAN1A1	34.55	chr6	6q22	62	191.83
CRB2	34.55	chr9	9q33.3	26	164.15
Hs.582516	34.54	chr5	N/A	3	17.21
PLXDC2	34.53	chr10	10p12.31	42	82.17
Hs.160572	34.52	chr10	N/A	4	46.74
ZNF354A	34.52	chr5	5q35.3	28	212.82
Hs.674715	34.52	chr5	N/A	1	0.00
Hs.644072	34.52	chr8	N/A	7	60.94
ZNF283	34.50	chr19	19q13.31	51	108.57
OR1L1	34.50	chr9	9q33.2	8	148.85
GMEB1	34.50	chr1	1p35.3	31	93.61
XYLT1	34.49	chr16	16p12.3	53	126.91
Hs.635566	34.49	chr1	N/A	3	43.99
LOC100996496	34.49	chr1	N/A	13	130.41
TAAR8	34.49	chr6	6q23.2	19	78.97
NXPH2	34.49	chr2	2q22.1	38	252.53
Hs.664459	34.48	chr2	N/A	7	132.15
STK11IP	34.48	chr2	2q35	36	103.15
Hs.633957	34.47	chr7	N/A	11	155.08
Hs.649180	34.47	chr1	N/A	3	43.61
Hs.663763	34.47	chr7	N/A	1	0.00
FOX1	34.47	chr12	12p13	31	107.07
CRCP	34.46	chr7	7q11.21	61	140.88
FOXK1	34.46	chr7	7p22.1	63	136.27
MFSD8	34.45	chr4	4q28.2	39	116.68
S100A12	34.45	chr1	1q21	30	74.23
KRR1	34.45	chr12	12q21.2	51	85.93

INTS1	34.45	chr7	7p22.3	43	145.02
OMG	34.45	chr17	17q11.2	37	232.65
SETD1A	34.45	chr16	16p11.2	41	135.78
TMEM121	34.44	chr14	14q32.33	22	79.47
SLC34A3	34.44	chr9	9q34	32	101.81
Hs.744235	34.43	chr1	N/A	7	47.82
SYT8	34.42	chr11	11p15.5	19	219.78
SNX18	34.42	chr5	5q11.2	47	156.04
Hs.451341	34.41	chr16	N/A	3	46.04
LHX6	34.41	chr9	9q33.2	35	73.07
Hs.659222	34.41	chr22	N/A	18	71.86
TUT1	34.41	chr11	11q12.2	28	126.27
SLC7A5	34.41	chr16	16q24.3	45	86.69
TLR5	34.40	chr1	1q41-q42	35	153.13
Hs.703894	34.40	chr12	N/A	1	0.00
CD27	34.40	chr12	12p13	30	106.43
KANSL1L	34.39	chr2	2q34	69	184.76
FLJ45340	34.39	chr7	7q32.1	79	68.42
LOC401180	34.38	chr5	5p13.2	6	80.01
Hs.540457	34.38	chr16	N/A	3	43.18
Hs.274876	34.38	chr20	N/A	7	64.57
Hs.596712	34.38	chr5	N/A	17	125.57
PRR4	34.38	chr12	12p13	32	61.22
SLC25A19	34.38	chr17	17q25.3	24	101.83
DOPEY1	34.38	chr6	6q15	58	118.87
MAFA	34.38	chr8	8q24.3	18	53.77
Hs.245812	34.37	chr4	N/A	3	7.14
RAB19	34.37	chr7	7q34	7	124.01
Hs.550310	34.37	chr15	N/A	3	46.22
SSUH2	34.37	chr3	3p26.1	28	68.54
Hs.597520	34.36	chr22	N/A	7	67.49
Hs.547178	34.36	chr9	N/A	4	145.35
Hs.577888	34.36	chr13	N/A	3	8.60
CNOT6	34.35	chr5	5q35.3	47	89.22
WT1-AS	34.35	chr11	11p13	27	100.20
LRFN3	34.35	chr19	19q13.12	38	125.42
Hs.658643	34.35	chr19	N/A	14	53.09
EXTL1	34.35	chr1	1p36.1	35	71.14
OR10A6	34.35	chr11	11p15.4	5	107.09
Hs.568913	34.34	chr11	N/A	7	95.59
CER1	34.34	chr9	9p23-p22	24	185.70
MED27	34.34	chr9	9q34.13	41	129.82
MIOS	34.34	chr7	7p21.3	64	191.55
Hs.618061	34.34	chr1	N/A	10	25.32
AGTRAP	34.34	chr1	1p36.22	36	116.94
LOC100996430	34.33	chr16	N/A	21	84.40
SGK3	34.33	chr8	8q12	35	71.76
RAPGEF2	34.32	chr4	4q32.1	102	160.13
ATP8B1	34.32	chr18	18q21.31	36	247.40
FAM83F	34.32	chr22	22q13.1	19	101.53
Hs.544465	34.32	chr6	N/A	3	7.58
PDCL	34.32	chr9	9q12-q13	51	86.51
PSAT1	34.32	chr9	9q21.2	33	92.65
STX6	34.31	chr1	1q25.3	73	121.35
TMEM218	34.31	chr11	11q24.2	35	144.02
Hs.159960	34.30	chr2	N/A	3	41.41
CLK2	34.30	chr1	1q21	55	113.35
MYBPC1	34.30	chr12	12q23.2	41	111.12
NPAS2	34.30	chr2	2q11.2	58	89.72
LRP5L	34.29	chr22	22q11.23	21	100.44
Hs.428214	34.29	chr11	N/A	3	15.39
Hs.581828	34.29	chr4	N/A	3	7.31
Hs.650713	34.29	chr11	N/A	7	73.14
NEFM	34.29	chr8	8p21	45	122.76
ZNF189	34.28	chr9	9q22-q31	48	82.89
XXYLT1	34.27	chr3	3q29	19	91.90

RGS11	34.27	chr16	16p13.3	49	105.12
PC	34.27	chr11	11q13.4-q13.5	32	69.12
WNT2B	34.26	chr1	1p13	31	155.04
PIKFYVE	34.26	chr2	2q34	57	139.84
ANKRD39	34.26	chr2	2q11.2	30	149.81
C8orf12	34.26	chr8	8p23.1	3	99.36
Hs.599851	34.26	chr7	N/A	10	59.30
UCP3	34.25	chr11	11q13.4	66	104.76
LOC100130705	34.25	chr7	7q32.1	4	71.79
ORC2	34.25	chr2	2q33	40	98.53
STEAP1	34.24	chr7	7q21	69	299.98
ARHGGEF25	34.24	chr12	12q13.3	49	258.29
CKMT1A	34.23	chr15	15q15	2	35.33
ZFHX3	34.23	chr16	16q22.3	80	124.81
TMEM89	34.22	chr3	3p21.31	18	169.41
RPGR	34.22	chrX	Xp21.1	39	172.36
LOC341112	34.21	chr11	11q12.1	5	109.63
PGBD5	34.21	chr1	1q42.13	26	80.68
C1orf61	34.20	chr1	1q22	66	372.33
C16orf52	34.20	chr16	16p12.2	38	58.82
ECM2	34.19	chr9	9q22.3	52	95.85
Hs.365690	34.19	chr14	N/A	7	71.97
C19orf25	34.19	chr19	19p13.3	49	98.13
P2RY8	34.19	chrX	Xp22.33; Yp11.3	21	106.52
ENC1	34.18	chr5	5q13	52	122.12
SKI	34.18	chr1	1p36.33	52	117.99
TMEM220	34.18	chr17	17p13.1	34	83.12
HIVEP1	34.18	chr6	6p24-p22.3	38	110.31
Hs.657777	34.17	chr7	N/A	8	79.51
NTRK2	34.16	chr9	9q22.1	132	160.31
Hs.581701	34.16	chr4	N/A	3	25.94
ZNF850	34.15	chr19	19q13.12	21	85.83
Hs.680373	34.15	chr2	N/A	3	23.95
Hs.672108	34.15	chr1	N/A	3	37.56
BTBD7	34.14	chr14	14q32.12	109	100.22
PCLO	34.14	chr7	7q11.23-q21.3	63	397.82
ULK2	34.13	chr17	17p11.2	81	154.69
CD6	34.13	chr11	11q13	60	117.84
PPM1M	34.13	chr3	3p21.2	26	132.12
Hs.354493	34.12	chr17	N/A	1	0.00
Hs.463991	34.12	chr17	N/A	3	25.03
PLCD3	34.11	chr17	17q21.31	19	105.16
Hs.593207	34.11	chr11	N/A	8	63.94
LOC100996251	34.11	chr1	N/A	1	0.00
Hs.568853	34.11	chr10	N/A	3	7.51
SNORD56	34.10	chr20	20p13	3	15.70
MTERFD2	34.10	chr2	2q37.3	72	117.41
Hs.602361	34.10	chr9	N/A	14	107.17
Hs.659205	34.10	chr12	N/A	7	40.91
Hs.544433	34.09	chr6	N/A	7	137.32
FAIM2	34.09	chr12	12q13	71	93.77
SLC16A11	34.09	chr17	17p13.1	20	59.16
Hs.597127	34.08	chr1	N/A	7	80.72
TSPAN15	34.08	chr10	10q22.1	28	76.17
ACR	34.08	chr22	22q13.33	33	79.42
BACH1	34.07	chr21	21q22.11	63	144.81
Hs.674422	34.07	chr3	N/A	5	139.65
Hs.538760	34.07	chr11	N/A	3	46.57
Hs.391327	34.06	chr1	N/A	10	80.15
Hs.729243	34.06	chrY	N/A	7	153.49
LRG1	34.06	chr19	19p13.3	19	59.71
Hs.658252	34.06	chr12	N/A	1	0.00
Hs.737415	34.05	chr16	N/A	3	52.56
Hs.543109	34.05	chr3	N/A	3	45.28
LOC285556	34.05	chr4	4q23	11	108.22
Hs.606496	34.05	chr1	N/A	1	0.00

Hs.660127	34.04	chr15	N/A	1	0.00
MCMDC2	34.04	chr8	8q13.1	26	196.68
IRF5	34.04	chr7	7q32	53	157.89
ZNF879	34.03	chr5	5q35.3	13	99.73
Hs.556853	34.03	chrX	N/A	3	22.65
FAM120B	34.03	chr6	6q27	55	224.84
ASCC3	34.03	chr6	6q16	85	130.81
CYP26B1	34.02	chr2	2p13.2	32	127.49
Hs.744450	34.02	chr22	N/A	5	130.40
Hs.673964	34.01	chr19	N/A	1	0.00
INTU	34.01	chr4	4q28.1	29	54.40
ZNF326	34.01	chr1	1p22.2	55	99.39
CHRAC1	34.01	chr8	8q24.3	17	77.73
LOC100507284	34.00	chr9	N/A	3	8.22
Hs.715618	33.99	chr10	N/A	7	83.06
NEUROD4	33.99	chr12	12q13.2	38	168.39
ARHGAP29	33.99	chr1	1p22.1	63	118.02
Hs.634970	33.99	chr5	N/A	7	30.37
Hs.649782	33.99	chr7	N/A	3	15.81
Hs.428472	33.99	chr10	N/A	3	28.72
EXD3	33.99	chr9	9q34.3	32	87.43
HMGCR	33.99	chr5	5q13.3-q14	38	91.93
Hs.568951	33.97	chr11	N/A	3	38.93
LOC401296	33.97	chr7	7p22.3	3	15.84
CCR1	33.97	chr3	3p21	47	97.48
FAM84A	33.97	chr2	2p24.3	98	175.50
ZNF608	33.97	chr5	5q23.2	36	116.25
ABCD4	33.97	chr14	14q24.3	51	83.32
IERSL	33.96	chr9	9q34.11	25	68.67
TCL1A	33.95	chr14	14q32.1	35	79.95
WDSUB1	33.95	chr2	2q24.2	31	91.01
Hs.570981	33.94	chr5	N/A	3	15.44
ZC3HAV1L	33.94	chr7	7q34	40	107.88
SH3RF1	33.94	chr4	4q32.3	44	74.24
Hs.130652	33.94	chr13	N/A	1	0.00
Hs.541592	33.93	chr2	N/A	3	12.97
GAS2L2	33.93	chr17	17q12	31	198.42
ABHD12	33.93	chr20	20p11.21	44	89.71
REEP6	33.93	chr19	19p13.3	26	59.96
CD276	33.92	chr15	15q23-q24	38	100.22
Hs.268668	33.91	chr11	N/A	15	69.58
FAM149A	33.91	chr4	4q35.1	62	242.76
SEC23IP	33.91	chr10	10q25-q26	60	88.38
Hs.584216	33.91	chr9	N/A	3	6.08
LSAMP	33.90	chr3	3q13.2-q21	105	230.36
OR6S1	33.90	chr14	14q11.2	11	226.70
C2CD4B	33.89	chr15	15q22.2	35	116.53
ATE1	33.89	chr10	10q26.13	56	241.28
Hs.657968	33.89	chr5	N/A	8	86.68
Hs.679007	33.89	chr5	N/A	3	8.90
RAB28	33.89	chr4	4p15.33	52	105.20
Hs.527909	33.89	chr1	N/A	14	65.95
Hs.635231	33.88	chr14	N/A	1	0.00
Hs.661954	33.88	chr8	N/A	1	0.00
SNPH	33.88	chr20	20p13	28	42.04
RNF208	33.88	chr9	9q34.3	31	94.39
TMEM178A	33.87	chr2	2p22.1	22	78.15
ZSCAN30	33.86	chr18	18q12.2	38	106.81
RRP1	33.86	chr21	21q22.3	39	105.32
Hs.636128	33.86	chr20	N/A	10	40.50
OR5A1	33.85	chr11	11q12.1	18	136.71
WDFY2	33.85	chr13	13q14.3	53	153.18
Hs.654687	33.85	chr3	N/A	1	0.00
Hs.494321	33.85	chr9	N/A	18	161.06
WDR91	33.84	chr7	7q33	47	191.58
Hs.129636	33.84	chr4	N/A	18	110.40

VPS33A	33.83	chr12	12q24.31	29	65.91
C1RL	33.83	chr12	12p13.31	29	110.26
Hs.603076	33.83	chr15	N/A	3	119.84
SLC17A7	33.83	chr19	19q13	45	88.80
Hs.563240	33.82	chr4	N/A	3	49.43
U2AF1L4	33.82	chr19	19q13.12	37	88.54
C11orf80	33.81	chr11	11q13.2	50	184.55
VCX3A	33.81	chrX	Xp22	35	141.74
HGC6.3	33.80	chr6	6q27	20	62.10
Hs.475322	33.80	chr11	N/A	3	36.78
TRIM23	33.80	chr5	5q12.3	57	159.17
SH3BP5-AS1	33.79	chr3	3p25.1	1	0.00
Hs.576524	33.79	chr1	N/A	3	23.40
SPEN	33.79	chr1	1p36	125	162.08
Hs.656658	33.79	chr9	N/A	7	131.38
CARD6	33.78	chr5	5p13.1	19	69.09
Hs.568733	33.78	chr1	N/A	3	30.85
CKLF	33.78	chr16	16q21	60	98.98
FANCE	33.77	chr6	6p22-p21	25	92.44
PI4K2A	33.77	chr10	10q24	50	130.51
C5orf46	33.77	chr5	5q32	26	82.71
Hs.662268	33.77	chr7	N/A	1	0.00
XRCC2	33.77	chr7	7q36.1	39	157.11
VPS33B	33.77	chr15	15q26.1	30	79.26
CSNK1G3	33.76	chr5	5q23	60	92.65
Hs.723245	33.76	chr3	N/A	29	199.11
PLEKHG2	33.75	chr19	19q13.2	23	97.21
TRIO	33.75	chr5	5p15.2	119	135.39
SLC6A6	33.75	chr3	3p25.1	68	99.57
MLLT1	33.74	chr19	19p13.3	45	115.92
ZMYND15	33.74	chr17	17p13.2	28	85.64
PCSK6	33.74	chr15	15q26.3	95	157.50
ATG7	33.73	chr3	3p25.3	50	125.85
ZNF211	33.73	chr19	19q13.4	47	90.02
PEX13	33.73	chr2	2p16.1	49	104.84
Hs.659293	33.72	chr5	N/A	8	60.41
DISC1	33.72	chr1	1q42.1	139	144.59
LOC643837	33.72	chr1	1p36.33	77	87.79
GATS	33.72	chr7	7q22.1	50	173.53
ZNF83	33.72	chr19	19q13.3	60	127.09
IGSF23	33.71	chr19	19q13.31	2	22.12
Hs.492066	33.71	chr8	N/A	3	7.95
TMEM192	33.70	chr4	4q32.3	60	81.09
Hs.539720	33.70	chr13	N/A	3	30.64
Hs.159157	33.70	chr16	N/A	10	91.80
PHKA1	33.70	chrX	Xq12-q13	68	122.18
MCMBP	33.70	chr10	10q26.11	37	72.97
ELF5	33.69	chr11	11p13-p12	51	184.23
KCNH3	33.69	chr12	12q13	33	250.29
C12orf4	33.68	chr12	12p13.3	46	80.55
Hs.160651	33.68	chr3	N/A	3	40.82
CEP350	33.68	chr1	1q25.2	68	96.18
RSPH3	33.68	chr6	6q25.3	27	94.87
Hs.659239	33.68	chr11	N/A	7	54.02
SPEM1	33.67	chr17	17p13.1	35	332.39
NT5M	33.67	chr17	17p11.2	28	51.32
IGJ	33.67	chr4	4q21	47	100.34
Hs.596573	33.67	chr12	N/A	7	84.95
ZNF682	33.65	chr19	19p12	45	207.21
FBLN7	33.65	chr2	2q13	26	74.99
EFR3B	33.64	chr2	2p23.3	44	111.86
Hs.648410	33.64	chr6	N/A	4	63.54
SHISA9	33.63	chr16	16p13.12	39	89.48
NCF4	33.63	chr22	22q13.1	52	91.63
Hs.334093	33.63	chr21	N/A	3	15.21
FLJ44790	33.63	chr20	20q13.33	3	27.90

ZNF536	33.63	chr19	19q12	33	97.93
SLC7A8	33.62	chr14	14q11.2	63	140.90
RUFY4	33.62	chr2	2q35	3	19.80
KIF9	33.62	chr3	3p21.31	50	120.17
FAM86B1	33.62	chr8	8p23.1	22	31.99
Hs.627759	33.61	chr19	N/A	1	0.00
OLFML1	33.61	chr11	11p15.4	28	75.49
CLCN1	33.61	chr7	7q35	23	102.60
SCNN1D	33.61	chr1	1p36.3-p36.2	30	87.22
PER2	33.61	chr2	2q37.3	55	155.51
ARHGAP25	33.60	chr2	2p13.3	52	89.01
Hs.595570	33.59	chr1	N/A	10	14.52
Hs.544460	33.59	chr6	N/A	3	43.49
Hs.663931	33.59	chr1	N/A	1	0.00
EVX1	33.58	chr7	7p15.2	41	124.69
TMEM33	33.57	chr4	4p13	82	131.60
SPRED1	33.56	chr15	15q14	59	159.88
ASF1A	33.56	chr6	6q22.31	74	100.95
Hs.563922	33.55	chr1	N/A	3	8.33
ANAPC1	33.55	chr2	2q12.1	99	141.94
Hs.729582	33.55	chr13	N/A	1	0.00
Hs.569884	33.54	chr18	N/A	3	21.83
Hs.545985	33.54	chrX	N/A	3	6.84
Hs.605365	33.54	chr1	N/A	5	58.40
SLC12A6	33.54	chr15	15q13	33	241.06
Hs.537692	33.53	chr1	N/A	3	29.72
Hs.635773	33.53	chr15	N/A	1	0.00
FTSJD1	33.52	chr16	16q22.2	35	109.37
Hs.674694	33.52	chr4	N/A	1	0.00
FOXC2	33.52	chr16	16q24.1	27	80.39
NOC3L	33.52	chr10	10q23.33	125	51.72
Hs.664985	33.52	chr14	N/A	7	130.06
LIME1	33.51	chr20	20q13.3	26	62.17
Hs.638027	33.51	chr14	N/A	10	45.48
PRDM2	33.51	chr1	1p36.21	82	87.17
ITGB3BP	33.51	chr1	1p31.3	133	91.88
GNAI1	33.50	chr7	7q21	46	74.92
Hs.128570	33.49	chr2	N/A	5	60.97
NIN	33.48	chr14	14q22.1	119	144.59
KLHL20	33.48	chr1	1q25.1	62	107.31
MEFV	33.48	chr16	16p13.3	24	81.30
Hs.376351	33.47	chr10	N/A	7	61.26
Hs.662933	33.47	chr4	N/A	15	78.27
Hs.597557	33.46	chr1	N/A	18	123.08
Hs.551398	33.46	chr2	N/A	3	11.47
PDGFA	33.46	chr7	7p22	32	71.51
NOD1	33.46	chr7	7p15-p14	38	117.75
Hs.554587	33.46	chr14	N/A	3	36.21
DNAH10	33.45	chr12	12q24.31	28	187.62
HIST1H2AB	33.45	chr6	6p22.1	21	126.57
NUDT17	33.44	chr1	1q21.1	7	73.93
Hs.538602	33.44	chr10	N/A	3	19.11
GPX6	33.43	chr6	6p22.1	16	148.05
ZSWIM6	33.43	chr5	5q12.1	51	94.66
SIKE1	33.43	chr1	1p13.2	66	182.78
Hs.532104	33.43	chr5	N/A	1	0.00
EBI3	33.43	chr19	19p13.3	42	95.78
SFXN3	33.43	chr10	10q24.31	62	114.55
LOC100132354	33.43	chr6	6p21.1	1	0.00
Hs.552671	33.42	chr11	N/A	3	7.55
Hs.539494	33.42	chr12	N/A	3	18.13
Hs.579812	33.42	chr19	N/A	3	15.69
PIFO	33.42	chr1	1p13.2	37	47.38
Hs.540000	33.42	chr14	N/A	3	25.69
Hs.580741	33.42	chr20	N/A	3	17.94
Hs.551943	33.41	chr15	N/A	4	48.35

PRTFDC1	33.41	chr10	10p12.1	33	124.89
Hs.613556	33.40	chr5	N/A	3	52.25
EVA1C	33.39	chr21	21q22.11	46	157.06
KIAA1324	33.39	chr1	1p13.3	32	302.41
Hs.158126	33.39	chr6	N/A	11	136.08
MAGEL2	33.39	chr15	15q11-q12	21	96.54
RASL10A	33.39	chr22	22q12.2	33	82.82
RNF19B	33.39	chr1	1p35.1	31	105.87
EFNA4	33.38	chr1	1q21-q22	31	153.78
Hs.130271	33.38	chr13	N/A	3	18.21
Hs.734711	33.38	chr11	N/A	1	0.00
LOC654780	33.37	chr16	16q24.1	11	36.80
Hs.651544	33.37	chr11	N/A	7	62.76
ZKSCAN3	33.37	chr6	6p22.1	33	123.20
Hs.577948	33.36	chr13	N/A	3	26.30
Hs.671287	33.35	chr16	N/A	10	36.30
FAM161B	33.35	chr14	14q24.3	19	230.15
CAD	33.35	chr2	2p22-p21	40	91.23
Hs.634964	33.35	chr14	N/A	8	79.71
Hs.438823	33.34	chr7	N/A	5	63.22
PTX4	33.34	chr16	16p13.3	3	8.11
Hs.627200	33.34	chr18	N/A	2	138.63
Hs.654737	33.34	chr20	N/A	9	117.14
Hs.539768	33.34	chr13	N/A	3	15.88
Hs.545469	33.33	chr8	N/A	5	71.85
TBATA	33.33	chr10	10q22.1	26	75.20
KCPED1	33.33	chr7	7q31.31	43	135.59
CCNAB2	33.33	chr1	1p36.3	54	107.51
ANAPC7	33.32	chr12	12q24.11	48	99.70
Hs.735985	33.31	chr19	N/A	10	49.32
USP30	33.31	chr12	12q24.11	43	133.76
WDR46	33.31	chr6	6p21.3	30	159.07
Hs.53565	33.31	chr1	N/A	8	116.50
Hs.102941	33.31	chr2	N/A	8	80.96
Hs.555985	33.31	chr4	N/A	15	91.18
WRAP73	33.30	chr1	1p36.3	37	113.85
Hs.541120	33.30	chr18	N/A	3	17.04
Hs.541059	33.30	chr18	N/A	3	6.47
Hs.353831	33.30	chr18	N/A	3	27.38
Hs.655802	33.30	chr20	N/A	10	44.30
DNAJC12	33.29	chr10	10q22.1	39	72.22
SEMA6B	33.29	chr19	19p13.3	29	86.69
RRAGB	33.29	chrX	Xp11.21	36	123.45
SCARA3	33.29	chr8	8p21	60	95.09
G6PD	33.28	chrX	Xq28	39	127.08
HKR1	33.28	chr19	19q13.12	33	92.67
PTPRG	33.28	chr3	3p21-p14	52	95.59
Hs.633419	33.28	chr5	N/A	3	53.47
HSD17B14	33.27	chr19	19q13.33	31	94.68
Hs.597193	33.27	chr22	N/A	7	124.51
ATCAY	33.26	chr19	19p13.3	46	140.21
LAD1	33.26	chr1	1q25.1-q32.3	47	122.63
Hs.543048	33.26	chr3	N/A	3	33.51
ZNF576	33.26	chr19	19q13.31	36	90.24
Hs.604577	33.26	chr8	N/A	7	98.70
BAI2	33.25	chr1	1p35	35	93.93
MAP3K9	33.25	chr14	14q24.2	30	91.05
Hs.224764	33.25	chr20	N/A	18	140.58
FCN1	33.24	chr9	9q34	50	104.83
SENP1	33.24	chr12	12q13.1	40	201.01
Hs.594332	33.24	chr10	N/A	8	70.51
IFI44L	33.24	chr1	1p31.1	40	65.92
Hs.658896	33.24	chr5	N/A	1	0.00
C14orf28	33.23	chr14	14q21.2	26	55.65
Hs.587465	33.23	chr8	N/A	9	104.31
Hs.292142	33.22	chr1	N/A	7	218.72

LIF	33.22	chr22	22q12.2	48	105.38
Hs.733973	33.22	chr11	N/A	7	64.53
Hs.498015	33.22	chr1	N/A	17	151.18
Hs.621904	33.22	chr15	N/A	10	23.35
Hs.668149	33.22	chr6	N/A	1	0.00
RABGEF1	33.21	chr7	7q11.21	78	81.55
GALNTL6	33.21	chr4	4q34.1	6	91.21
CYLD	33.21	chr16	16q12.1	101	131.42
Hs.628521	33.21	chr12	N/A	3	5.59
Hs.596822	33.21	chr5	N/A	5	68.64
ARHGAP27	33.21	chr17	17q21.31	60	173.88
KRAS	33.21	chr12	12p12.1	76	125.35
Hs.732327	33.21	chrX	N/A	9	41.36
DCAF4L1	33.21	chr4	4p13	6	92.56
Hs.561880	33.20	chr8	N/A	3	29.59
LINC00626	33.19	chr1	1q24.2	18	50.46
APOA2	33.19	chr1	1q23.3	35	272.17
CASP1	33.18	chr11	11q23	50	89.17
CST6	33.18	chr11	11q13	46	185.99
MC1R	33.17	chr16	16q24.3	33	138.83
Hs.584657	33.16	chrX	N/A	3	19.54
ZAN	33.16	chr7	7q22	29	174.19
LOC100131510	33.16	chr2	2p23.3	25	114.06
SARM1	33.16	chr17	17q11	23	97.10
COBLL1	33.15	chr2	2q24.3	72	143.36
PGLYRP3	33.15	chr1	1q21	22	198.00
SP5	33.15	chr2	2q31.1	47	157.09
GTPBP1	33.15	chr22	22q13.1	79	75.06
MAGOH	33.15	chr1	1p32.3	54	79.33
EBF4	33.14	chr20	20p13	27	74.17
RNF151	33.14	chr16	16p13.3	19	78.29
MMACHC	33.14	chr1	1p34.1	37	133.65
CASP5	33.14	chr11	11q22.2-q22.3	28	62.77
C16orf89	33.13	chr16	16p13.3	29	152.46
ARRB1	33.13	chr11	11q13	62	107.44
ZNF226	33.13	chr19	19q13.2	63	116.47
Hs.119940	33.12	chr3	N/A	1	0.00
TOMM20L	33.12	chr14	14q23.1	16	79.02
Hs.524129	33.11	chr10	N/A	3	35.17
DNAJC27	33.11	chr2	2p23.3	48	98.86
CCDC22	33.11	chrX	Xp11.23	35	59.75
NOC4L	33.10	chr12	12q24.33	30	53.62
Hs.582104	33.10	chr5	N/A	3	38.04
Hs.150668	33.09	chr2	N/A	3	73.91
PKNOX1	33.09	chr21	21q22.3	87	148.40
Hs.93825	33.09	chr17	N/A	5	119.01
PTAFR	33.09	chr1	1p35-p34.3	63	159.94
DEFA1	33.09	chr8	8p23.1	44	135.77
L3MBTL4	33.09	chr18	18p11.31	68	333.21
BMP4	33.09	chr14	14q22-q23	47	157.15
ZDHHC21	33.08	chr9	9p22.3	105	292.84
KIF24	33.08	chr9	9p13.3	38	177.80
TMOD3	33.08	chr15	15q21.1-q21.2	66	153.17
Hs.603855	33.07	chr3	N/A	1	0.00
PLG	33.07	chr6	6q26	82	151.33
Hs.505983	33.07	chr12	N/A	8	77.28
MAEL	33.07	chr1	1q24.1	27	65.43
TMPO	33.07	chr12	12q22	87	148.66
PPIP5K1	33.07	chr15	15q15.3	51	172.08
Hs.638929	33.06	chr1	N/A	1	0.00
PCDH9-AS2	33.06	chr13	N/A	3	36.74
NKAP	33.06	chrX	Xq24	31	52.03
SMC5	33.06	chr9	9q21.12	66	104.63
PLCE1	33.06	chr10	10q23	32	75.36
OR10J3	33.05	chr1	1q23.2	18	105.84
Hs.543944	33.05	chr5	N/A	3	7.29

EXO5	33.05	chr1	1p34.2	32	96.19
Hs.733953	33.05	chr14	N/A	7	105.39
TNFRSF11B	33.04	chr8	8q24	135	162.18
TMEM161B-AS1	33.04	chr5	N/A	21	82.82
Hs.491339	33.04	chr8	N/A	3	25.55
Hs.696422	33.04	chr7	N/A	4	34.58
PSIP1	33.03	chr9	9p22.3	109	162.01
Hs.656252	33.03	chr1	N/A	14	114.00
Hs.538382	33.03	chr10	N/A	3	24.71
CACNA1H	33.03	chr16	16p13.3	33	111.53
Hs.575812	33.03	chr1	N/A	3	19.50
CCDC19	33.02	chr1	1q22	25	170.99
DCST2	33.02	chr1	1q22	20	103.84
Hs.604374	33.01	chr18	N/A	7	72.44
PDE8A	33.01	chr15	15q25.3	67	111.77
CACNA1B	33.01	chr9	9q34	46	80.82
HNRPLL	33.01	chr2	2p22.1	48	111.16
Hs.597684	33.00	chr1	N/A	7	55.18
ZNF541	33.00	chr19	19q13.33	19	56.23
PCSK5	32.99	chr9	9q21.3	52	134.36
Hs.542148	32.99	chr2	N/A	3	40.02
FLJ41733	32.99	chr21	21q22.3	3	60.82
HID1	32.98	chr17	17q25.1	50	203.44
CINP	32.98	chr14	14q32.31	21	72.50
HSD3B7	32.97	chr16	16p11.2	18	144.80
Hs.701629	32.97	chrX	N/A	7	69.38
Hs.596912	32.97	chr10	N/A	8	11.50
Hs.658290	32.96	chr12	N/A	9	80.03
TCN1	32.96	chr11	11q11-q12	38	165.32
TSNARE1	32.96	chr8	8q24.3	42	82.47
RCN3	32.96	chr19	19q13.33	26	95.40
PRPH2	32.96	chr6	6p21.2-p12.3	28	96.66
CLTCL1	32.96	chr22	22q11.21	56	105.19
ERICH2	32.95	chr2	2q31.1	2	40.56
REL	32.95	chr2	2p13-p12	49	125.64
Hs.327451	32.95	chr6	N/A	4	49.26
Hs.12798	32.94	chr7	N/A	18	63.08
Hs.602789	32.94	chr1	N/A	7	44.94
FOSB	32.94	chr19	19q13.32	20	125.76
KLRB1	32.94	chr12	12p13	36	270.33
CHST2	32.94	chr3	3q24	30	53.93
OR1F1	32.93	chr16	16p13.3	21	137.70
LSG1	32.93	chr3	3q29	47	61.49
RAD9A	32.93	chr11	11q13.1-q13.2	37	82.77
BTN2A2	32.93	chr6	6p22.1	73	103.99
IFNA17	32.93	chr9	9p22	11	128.17
MICB	32.92	chr6	6p21.3	35	93.19
TYMS	32.92	chr18	18p11.32	42	126.43
OR4X2	32.92	chr11	11p11.2	18	137.28
TRA	32.92	chr14	14q11.2	10	84.64
Hs.654770	32.91	chr5	N/A	22	75.95
ITCH	32.91	chr20	20q11.22	81	93.60
TSPAN5	32.91	chr4	4q23	115	193.63
Hs.570398	32.90	chr20	N/A	3	10.56
MEST	32.90	chr7	7q32	36	67.79
TP53I11	32.90	chr11	11p11.2	76	88.41
Hs.521759	32.90	chr8	N/A	3	28.26
Hs.603636	32.89	chr3	N/A	2	54.16
ATAT1	32.89	chr6	6p21.33	50	290.23
KRT32	32.89	chr17	17q21.2	30	99.04
GATAD1	32.89	chr7	7q21-q22	74	89.05
DIDO1	32.88	chr20	20q13.33	113	96.73
USP42	32.88	chr7	7p22.1	62	115.71
RPTOR	32.88	chr17	17q25.3	33	90.81
Hs.570873	32.88	chr21	N/A	3	27.09
TMEM40	32.88	chr3	3p25.2	29	80.85

AGGF1	32.87	chr5	5q13.3	85	93.95
ABHD1	32.87	chr2	2p23.3	37	75.26
SPAG11A	32.87	chr8	8p23.1	23	78.86
Hs.541100	32.87	chr18	N/A	5	46.80
Hs.190284	32.87	chr17	N/A	1	0.00
SGPP2	32.86	chr2	2q36.1	36	142.16
LOC284898	32.85	chr22	22q12.1	1	0.00
Hs.597943	32.84	chr5	N/A	7	55.11
Hs.633520	32.84	chr4	N/A	7	78.86
TMEM25	32.84	chr11	11q23.3	44	85.47
ZNF780B	32.84	chr19	19q13.2	31	150.65
TRMT6	32.84	chr20	20p12.3	44	69.36
MTMR11	32.84	chr1	1q12-q21	55	62.06
Hs.709586	32.84	chr8	N/A	1	0.00
APOM	32.83	chr6	6p21.33	56	121.50
H6PD	32.83	chr1	1p36	89	137.51
ZXDB	32.83	chrX	Xp11.21	16	95.51
Hs.545701	32.82	chr9	N/A	10	26.88
CAB39L	32.82	chr13	13q14.2	52	112.23
ABCA9	32.82	chr17	17q24.2	43	67.79
Hs.441374	32.82	chr8	N/A	3	27.31
Hs.658296	32.82	chr4	N/A	1	0.00
Hs.721673	32.81	chr4	N/A	3	43.52
LOC728417	32.81	chr1	1q41	6	20.16
DMC1	32.81	chr22	22q13.1	41	220.63
Hs.633041	32.80	chr1	N/A	10	37.18
LOC145694	32.80	chr15	15q22.31	13	56.12
Hs.732637	32.80	chr2	N/A	7	119.11
LCE2B	32.80	chr1	1q21	33	193.10
HSPBAP1	32.79	chr3	3q21.1	28	58.94
MAD1L1	32.79	chr7	7p22	33	96.14
RBMS2	32.79	chr12	12q13.3	63	81.23
FBXW8	32.79	chr12	12q24.22	63	196.36
DHX33	32.79	chr17	17p13.2	37	88.68
Hs.667096	32.78	chr5	N/A	7	55.05
ASPHD2	32.77	chr22	22q12.1	42	242.37
POLD3	32.77	chr11	11q14	61	126.73
ASF1B	32.77	chr19	19p13.12	28	89.82
Hs.660956	32.77	chr11	N/A	11	69.27
Hs.658272	32.77	chr17	N/A	1	0.00
ZNF786	32.76	chr7	7q36.1	21	128.58
TAF2	32.76	chr8	8q24.12	58	96.60
Hs.599839	32.75	chr2	N/A	10	103.66
LOC400958	32.75	chr2	2p14	4	62.09
PLXNA2	32.75	chr1	1q32.2	75	174.06
LOC393076	32.75	chr7	7q36.3	3	6.08
Hs.71657	32.74	chr1	N/A	11	61.76
Hs.130105	32.74	chr12	N/A	2	123.82
SLC50A1	32.74	chr1	1q22	27	80.38
PLEKHG7	32.74	chr12	12q22	3	35.92
Hs.560583	32.74	chr18	N/A	2	32.59
HLA-DOB	32.74	chr6	6p21.3	48	195.15
Hs.597990	32.74	chr4	N/A	8	41.96
Hs.607277	32.73	chr1	N/A	10	28.66
SMC2	32.73	chr9	9q31.1	51	117.48
ALCAM	32.73	chr3	3q13.1	46	165.38
ACSS3	32.73	chr12	12q21.31	43	68.38
Hs.540475	32.73	chr16	N/A	3	18.99
Hs.580942	32.73	chr21	N/A	3	54.61
DOPEY2	32.72	chr21	21q22.2	42	138.21
Hs.721273	32.72	chr6	N/A	7	85.85
PRKACG	32.72	chr9	9q13	30	181.00
C12orf5	32.71	chr12	12p13.3	31	72.96
GLMN	32.71	chr1	1p22.1	40	214.91
FBXO44	32.71	chr1	1p36.22	36	145.67
C11orf1	32.71	chr11	11q23.1	47	183.30

UNC5CL	32.71	chr6	6p21.1	42	133.50
KLF14	32.70	chr7	7q32.3	20	74.65
CD302	32.70	chr2	2q24.2	33	90.25
ELFN2	32.70	chr22	22q13.1	24	110.70
ATXN7	32.70	chr3	3p21.1-p12	77	106.40
Hs.440548	32.69	chrX	N/A	3	62.66
Hs.557938	32.68	chr11	N/A	29	49.49
SENP5	32.68	chr3	3q29	104	71.28
C10orf128	32.67	chr10	10q11.23	22	90.20
Hs.458516	32.67	chr8	N/A	1	0.00
DISP1	32.67	chr1	1q41	44	72.30
SNX24	32.66	chr5	5q23.2	51	86.00
Hs.658641	32.66	chr14	N/A	7	96.01
STRIP2	32.66	chr7	7q32.1	43	73.69
Hs.591900	32.65	chr9	N/A	15	85.04
ANKRD49	32.65	chr11	11q21	28	68.06
PLEKHG4B	32.65	chr5	5p15.33	36	96.29
ACER3	32.65	chr11	11q13.5	67	150.47
ZBTB6	32.64	chr9	9q33.2	30	152.61
SH3BP2	32.64	chr4	4p16.3	65	89.19
KCNK6	32.64	chr19	19q13.1	48	77.32
Hs.594545	32.63	chr2	N/A	17	59.81
IFNA13	32.63	chr9	9p22	14	91.44
USP6NL	32.63	chr10	10p13	71	134.56
AHDC1	32.63	chr1	1p36.13	58	105.03
LOC100996381	32.63	chr19	N/A	17	109.24
LEP	32.62	chr7	7q31.3	44	84.49
DCD	32.62	chr12	12q13.1	19	216.01
Hs.102572	32.62	chr4	N/A	18	60.46
Hs.583158	32.61	chr7	N/A	3	48.46
SUV39H1	32.61	chrX	Xp11.23	21	102.76
BCL9	32.60	chr1	1q21	30	130.38
ITGB4	32.60	chr17	17q25	72	171.22
Hs.721230	32.60	chrX	N/A	3	139.21
Hs.623561	32.58	chr15	N/A	3	8.74
Hs.736296	32.58	chr20	N/A	1	0.00
TBX19	32.58	chr1	1q24.2	43	92.02
LINC00092	32.58	chr9	9q22.32	1	0.00
Hs.282012	32.57	chr3	N/A	3	55.87
Hs.745517	32.57	chr19	N/A	3	5.98
LOC286437	32.57	chrX	Xq22.2	11	43.59
Hs.595349	32.56	chr2	N/A	8	61.08
ATG16L2	32.55	chr11	11q13.4	40	87.11
GAS8	32.55	chr16	16q24.3	50	107.61
COL7A1	32.55	chr3	3p21.1	33	77.62
PBDC1	32.55	chrX	Xq13.3	30	89.17
Hs.406810	32.55	chr17	N/A	2	89.51
Hs.333643	32.54	chr6	N/A	3	29.65
Hs.713099	32.54	chr19	N/A	7	55.62
PINX1	32.54	chr8	8p23	37	80.79
Hs.649421	32.53	chrX	N/A	2	115.20
TNFRSF10B	32.53	chr8	8p22-p21	70	112.35
RFPL2	32.53	chr22	22q12.3	25	150.45
BPNT1	32.53	chr1	1q41	37	62.78
ZNF662	32.52	chr3	3p22.1	27	105.58
Hs.577816	32.52	chr12	N/A	3	26.47
IL23A	32.51	chr12	12q13.3	116	219.96
Hs.160416	32.51	chr14	N/A	3	29.88
LEPREL1	32.51	chr3	3q28	36	90.85
RAD50	32.50	chr5	5q31	154	141.85
GAL	32.50	chr11	11q13.3	35	92.75
Hs.639008	32.50	chr15	N/A	3	30.46
SAMD1	32.50	chr19	19p13.12	54	131.70
PIAS4	32.50	chr19	19p13.3	52	153.92
CDCA2	32.49	chr8	8p21.2	40	82.50
OR11A1	32.49	chr6	6p22.2-p21.31	24	100.10

Hs.666783	32.49	chr6	N/A	1	0.00
GSTZ1	32.49	chr14	14q24.3	36	83.23
GRIP2	32.48	chr3	3p24-p23	59	115.46
GMPPA	32.48	chr2	2q35	34	158.02
SCARB1	32.48	chr12	12q24.31	75	103.88
BTN3A2	32.47	chr6	6p22.1	50	69.96
Hs.545102	32.47	chr7	N/A	3	23.93
LOC100129726	32.47	chr2	2p21	15	56.82
Hs.732916	32.47	chr10	N/A	1	0.00
Hs.562776	32.46	chr18	N/A	3	32.71
ESRP2	32.46	chr16	16q22.1	27	109.69
Hs.673489	32.46	chr14	N/A	1	0.00
RASGRF2	32.45	chr5	5q13	34	155.76
AHCYL2	32.44	chr7	7q32.1	47	74.18
ZNF277	32.44	chr7	7q31.1	46	64.21
RRH	32.44	chr4	4q25	23	89.69
MORN4	32.43	chr10	10q24.2	44	91.59
UBTF	32.43	chr17	17q21.31	52	74.89
Hs.610448	32.43	chr6	N/A	3	22.16
SMAD1	32.42	chr4	4q31	59	96.42
Hs.665523	32.42	chr1	N/A	14	59.95
SLC37A2	32.42	chr11	11q24.2	21	152.81
LDB1	32.42	chr10	10q24-q25	35	45.45
TMEM56	32.41	chr1	1p21.3	51	131.30
ZNF577	32.41	chr19	19q13.41	27	62.07
Hs.707160	32.41	chr7	N/A	3	17.80
AVL9	32.40	chr7	7p14.3	71	230.26
Hs.596884	32.40	chr2	N/A	7	93.28
Hs.606041	32.40	chr1	N/A	7	39.18
SMPDL3A	32.39	chr6	6q22.31	43	87.26
CRABP2	32.39	chr1	1q21.3	32	111.32
C2CD4C	32.39	chr19	19p13.3	16	59.23
ZZZ3	32.38	chr1	1p31.1	148	120.75
ST3GAL2	32.38	chr16	16q22.1	54	88.95
LINC00085	32.38	chr19	19q13.41	15	50.48
OR5B12	32.38	chr11	11q12.1	5	113.24
Hs.564485	32.36	chr12	N/A	3	51.06
Hs.616638	32.36	chr2	N/A	3	45.75
Hs.731873	32.35	chr5	N/A	25	122.23
UVRAG	32.35	chr11	11q13.5	42	81.02
Hs.131670	32.35	chr1	N/A	3	49.49
Hs.555109	32.35	chr4	N/A	15	101.42
TOR1AIP2	32.35	chr1	1q25.2	79	109.77
GYLTL1B	32.34	chr11	11p11.2	26	82.16
PIGR	32.34	chr1	1q31-q41	49	169.89
ZNF844	32.33	chr19	19p13.2	20	178.49
DPEP1	32.33	chr16	16q24.3	28	196.21
LINC00334	32.33	chr21	21q22.3	20	102.94
TMA16	32.32	chr4	4q32.2	40	105.79
C2orf42	32.31	chr2	2p13.3	31	74.25
L2HGDH	32.31	chr14	14q21.3	23	115.33
C16orf47	32.31	chr16	16q22.3	3	54.95
LOC401497	32.31	chr9	9p21.1	4	51.86
OR10Z1	32.30	chr1	1q23.1	5	114.41
SNORD33	32.30	chr19	19q13.3	3	31.19
Hs.607210	32.30	chr3	N/A	3	22.39
MAGI1	32.30	chr3	3p14.1	101	107.33
TBC1D16	32.30	chr17	17q25.3	76	120.32
Hs.706085	32.30	chr8	N/A	8	16.87
PTPRN	32.30	chr2	2q35-q36.1	35	197.56
Hs.661491	32.30	chr3	N/A	1	0.00
Hs.715763	32.30	chr14	N/A	15	103.60
MYBBP1A	32.29	chr17	17p13.3	19	55.54
TAGLN3	32.29	chr3	3q13.2	36	150.48
CSAD	32.29	chr12	12q13.11-q14.3	40	120.52
ZFHX2	32.29	chr14	14q11.2	36	119.99

LYSMD3	32.29	chr5	5q14.3	39	84.09
DIS3	32.29	chr13	13q22.1	59	144.15
LETM1	32.28	chr4	4p16.3	34	73.49
Hs.444595	32.28	chr11	N/A	12	37.15
PHF12	32.26	chr17	17q11.2	30	107.68
Hs.657330	32.26	chr8	N/A	8	121.81
NCR3LG1	32.26	chr11	11p15.1	14	131.38
SLA2	32.25	chr20	20q11.23	25	198.74
LPIN3	32.25	chr20	20q12	35	113.84
CELSR2	32.24	chr1	1p21	45	84.03
Hs.321664	32.24	chr9	N/A	10	47.32
ST6GALNAC3	32.23	chr1	1p31.1	29	133.93
Hs.600185	32.22	chr19	N/A	7	33.02
YAE1D1	32.21	chr7	7p14.1	33	84.78
NEGR1	32.21	chr1	1p31.1	32	143.66
C10orf85	32.20	chr10	10q26.12	4	48.31
DBP	32.20	chr19	19q13.3	38	50.12
TBC1D10A	32.20	chr22	22q12.2	34	104.30
ZNF71	32.20	chr19	19q13.4	36	126.02
Hs.157295	32.19	chr8	N/A	4	54.64
NAIF1	32.19	chr9	9q34.11	35	83.08
SOWAHC	32.19	chr2	2q13	39	161.04
KRT9	32.19	chr17	17q21.1-q21.2	23	127.24
Hs.443144	32.18	chr8	N/A	3	35.55
NLN	32.18	chr5	5q12.3	67	314.75
NRGN	32.18	chr11	11q24	37	80.27
Hs.680127	32.17	chr15	N/A	1	0.00
Hs.212688	32.17	chr22	N/A	3	25.65
Hs.247150	32.17	chr12	N/A	8	48.48
LOC100131564	32.17	chr1	1p22.1	16	62.91
Hs.656831	32.17	chr11	N/A	3	3.16
Hs.709596	32.17	chr8	N/A	3	88.71
Hs.146929	32.17	chr19	N/A	3	71.71
Hs.666233	32.17	chr9	N/A	14	78.66
Hs.583349	32.16	chr7	N/A	3	19.35
LOC651337	32.16	chr9	9q34.3	3	69.95
ZNHIT6	32.16	chr1	1p22.3	36	112.53
Hs.147826	32.16	chr9	N/A	8	29.34
SLC2A10	32.16	chr20	20q13.1	48	111.64
CPNE2	32.15	chr16	16q13	17	38.91
Hs.560955	32.15	chr2	N/A	7	50.53
ZNF829	32.15	chr19	19q13.12	51	175.44
LAYN	32.14	chr11	11q23.1	29	55.03
OXER1	32.14	chr2	2p21	21	96.90
Hs.659430	32.14	chr18	N/A	8	144.51
Hs.310085	32.13	chr2	N/A	3	32.82
Hs.659666	32.13	chr2	N/A	3	51.73
SPIN2B	32.13	chrX	Xp11.1	47	60.21
PLBD2	32.13	chr12	12q24.13	26	87.73
Hs.566008	32.13	chr4	N/A	3	25.43
ZNF559	32.12	chr19	19p13.2	33	87.72
DTX3L	32.12	chr3	3q21.1	36	143.32
LOC283335	32.12	chr12	12q13.13	1	0.00
SNCA	32.12	chr4	4q21	100	103.43
SYNGAP1	32.12	chr6	6p21.3	22	153.62
SEC31B	32.11	chr10	10q24.31	32	91.89
Hs.667576	32.11	chr3	N/A	2	16.93
ARID3A	32.11	chr19	19p13.3	33	100.92
AXIN2	32.11	chr17	17q23-q24	58	152.90
Hs.660523	32.11	chr1	N/A	7	78.19
Hs.669082	32.11	chr20	N/A	2	14.54
CWC22	32.11	chr2	2q31.3	26	84.08
FGD2	32.10	chr6	6p21.2	40	104.78
PBRM1	32.10	chr3	3p21	106	124.71
Hs.660934	32.10	chr5	N/A	2	47.15
HEATR6	32.09	chr17	17q23.1	33	68.50

FAM73A	32.09	chr1	1p31.1	54	103.86
JRK	32.09	chr8	8q24.3	65	152.25
ALDH16A1	32.08	chr19	19q13.33	47	91.38
VIPR1	32.08	chr3	3p22	30	105.42
LOC100128343	32.07	chr14	14q32.33	11	33.52
STON1	32.07	chr2	2p16.3	31	68.35
MGAT4A	32.07	chr2	2q12	80	77.09
Hs.720186	32.06	chr11	N/A	2	56.70
KNSTRN	32.06	chr15	15q15.1	24	62.50
ZBTB7B	32.06	chr1	1q21.3	41	122.50
EPT1	32.06	chr2	2p23.3	43	80.51
FAR2	32.06	chr12	12p11.22	56	161.64
Hs.443377	32.05	chr1	N/A	3	13.58
GIN1	32.05	chr5	5q21.1	29	67.67
Hs.539591	32.05	chr13	N/A	3	18.89
CCDC137	32.04	chr17	17q25.3	30	90.62
TRIM25	32.04	chr17	17q23.2	53	109.94
Hs.661596	32.04	chr11	N/A	7	66.32
PTPDC1	32.02	chr9	9q22.32	40	84.38
TRMT2B	32.02	chrX	Xq22.1	32	84.00
ZNF423	32.02	chr16	16q12	33	95.98
CCDC113	32.02	chr16	16q21	43	109.83
ZNF234	32.01	chr19	19q13.31	25	68.11
Hs.319924	32.00	chr11	N/A	2	108.61
IFT52	32.00	chr20	N/A	42	129.76
ZBTB34	32.00	chr9	9q33.3	36	101.58
OR5V1	32.00	chr6	6p22.1	24	69.10
MOB3A	32.00	chr19	19p13.3	32	80.86
Hs.664329	32.00	chr1	N/A	1	0.00
Hs.666954	32.00	chr17	N/A	2	25.33
Hs.667213	32.00	chr15	N/A	3	37.06
OR5AU1	31.99	chr14	14q11.2	10	54.22
CD2AP	31.99	chr6	6p12	40	144.68
Hs.582959	31.99	chr6	N/A	3	6.21
MOB1A	31.99	chr2	2p13.1	83	108.55
Hs.582009	31.98	chr4	N/A	3	38.03
SCGB1A1	31.97	chr11	11q12.3	30	92.84
SLC14A2	31.97	chr18	18q12.1-q21.1	45	192.95
Hs.607296	31.97	chr19	N/A	10	42.43
FAM47C	31.96	chrX	Xp21.1	17	57.22
DDIT4L	31.96	chr4	4q24	26	109.86
BIRC5	31.96	chr17	17q25	61	194.10
Hs.621838	31.96	chr1	N/A	3	32.32
OR4A15	31.96	chr11	11q11	16	71.00
KIAA0226	31.96	chr3	3q29	87	102.54
SLC18B1	31.96	chr6	6q22.3-q23.3	26	72.40
Hs.722852	31.95	chr6	N/A	3	6.80
HCFC2	31.95	chr12	12q23.3	34	97.56
PCDHGC3	31.95	chr5	5q31	445	191.12
SLC38A8	31.94	chr16	16q23.3	3	18.67
CACHD1	31.94	chr1	1p31.3	30	96.28
TP53TG3	31.94	chr16	16p13	14	98.54
Hs.658698	31.94	chr2	N/A	1	0.00
Hs.566506	31.93	chr6	N/A	3	48.74
NAA15	31.93	chr4	4q31.1	64	117.59
Hs.633049	31.92	chr10	N/A	10	39.44
SPC24	31.92	chr19	19p13.2	19	127.70
IFNL2	31.92	chr19	19q13.13	17	53.99
Hs.660937	31.91	chr11	N/A	1	0.00
NAP1L5	31.91	chr4	4q21-q22	35	82.06
Hs.660512	31.89	chr1	N/A	7	84.22
Hs.195033	31.88	chr3	N/A	3	55.99
SOWAHA	31.88	chr5	5q31.1	38	148.06
COL11A2	31.88	chr6	6p21.3	52	192.27
NKX2-3	31.87	chr10	10q24.2	27	116.08
LCE1F	31.87	chr1	1q21.3	13	65.65

Hs.548146	31.87	chr16	N/A	3	30.47
CTAG1A	31.87	chrX	Xq28	51	140.29
ZNF16	31.87	chr8	8q24	34	92.82
Hs.720342	31.86	chr13	N/A	1	0.00
WFDC3	31.86	chr20	20q13.12	23	82.46
Hs.667255	31.86	chr5	N/A	2	7.69
PPP3R1	31.85	chr2	2p15	45	168.12
VRK1	31.85	chr14	14q32	37	80.84
Hs.334095	31.85	chr4	N/A	3	68.39
Hs.743502	31.85	chr7	N/A	1	0.00
Hs.602795	31.85	chr14	N/A	7	78.48
CXCL10	31.84	chr4	4q21	28	68.95
CRNKL1	31.84	chr20	20p11.2	36	68.24
RFX1	31.84	chr19	19p13.1	41	120.10
TPD52	31.84	chr8	8q21	69	104.89
CGB2	31.83	chr19	19q13.32	13	62.49
Hs.658188	31.83	chr1	N/A	1	0.00
SLC6A1	31.83	chr3	3p25.3	49	176.57
C5orf30	31.83	chr5	5q21.1	30	61.03
GATA2	31.83	chr3	3q21.3	63	75.22
LOC646719	31.83	chr5	5p13.2	17	171.56
CADPS	31.82	chr3	3p14.2	71	163.58
UBE2C	31.81	chr20	20q13.12	46	136.86
PTTG2	31.81	chr4	4p12	23	103.07
Hs.170993	31.81	chr5	N/A	3	44.75
FAM122B	31.81	chrX	Xq26.3	28	111.45
Hs.594912	31.81	chr3	N/A	2	79.57
Hs.657684	31.81	chr4	N/A	1	0.00
Hs.470726	31.81	chr2	N/A	3	34.03
Hs.634224	31.80	chr18	N/A	4	82.37
PCDH18	31.80	chr4	4q31	44	112.12
Hs.737385	31.80	chr1	N/A	1	0.00
CRAMP1L	31.80	chr16	16p13.3	53	93.24
FLJ42351	31.80	chr2	2q13	4	52.11
XRN1	31.80	chr3	3q23	79	125.26
DCLRE1A	31.80	chr10	10q25.1	30	99.37
Hs.59774	31.79	chr10	N/A	3	52.53
ZNF35	31.79	chr3	3p21.32	30	80.08
RBM26	31.78	chr13	13q31.1	58	120.50
HOXB2	31.78	chr17	17q21.32	40	76.18
Hs.543983	31.77	chr5	N/A	3	39.36
TP53TG3D	31.77	chr16	16p11.2	7	49.72
ADRA1B	31.77	chr5	5q33.3	46	223.00
Hs.568652	31.77	chr1	N/A	3	56.62
Hs.662783	31.77	chr1	N/A	1	0.00
ZNF518B	31.76	chr4	4p16.1	55	111.61
Hs.570211	31.76	chr2	N/A	1	0.00
Hs.578256	31.76	chr14	N/A	3	26.71
OR4K14	31.76	chr14	14q11.2	8	124.16
Hs.662697	31.76	chr13	N/A	1	0.00
MEGF9	31.75	chr9	9q32-q33.3	28	127.87
Hs.566384	31.75	chr5	N/A	3	32.05
RFX7	31.75	chr15	15q21.3	39	251.74
ASPRV1	31.75	chr2	2p13.3	26	96.52
CCL13	31.75	chr17	17q11.2	45	105.06
Hs.229304	31.75	chr2	N/A	10	85.18
WDR44	31.74	chrX	Xq24	41	67.17
LOC100505616	31.74	chr15	N/A	18	40.49
HBQ1	31.74	chr16	16p13.3	21	98.68
VIPR2	31.74	chr7	7q36.3	50	106.47
PPP1R21	31.74	chr2	2p16.3	41	85.09
Hs.569956	31.74	chr19	N/A	3	9.74
C1orf131	31.74	chr1	1q42.2	31	106.79
EXOC2	31.74	chr6	6p25.3	60	142.89
RC3H2	31.73	chr9	9q34	62	113.29
CHST4	31.73	chr16	16q22.2	21	115.06

Hs.616897	31.73	chr3	N/A	1	0.00
Hs.597840	31.73	chr17	N/A	1	0.00
Hs.742279	31.73	chr6	N/A	3	26.24
Hs.574069	31.73	chr12	N/A	3	57.32
SLC1A7	31.72	chr1	1p32.3	49	95.01
PHYHIP	31.72	chr8	8p21.3	30	65.26
KDM4C	31.72	chr9	9p24.1	96	383.80
GIT1	31.72	chr17	17p11.2	45	137.82
ZBTB46	31.72	chr20	20q13.33	43	110.29
Hs.664085	31.71	chr5	N/A	14	61.56
BIN3	31.70	chr8	8p21.3	49	68.38
MYCBP	31.70	chr1	1p33-p32.2	77	86.70
PIM2	31.70	chrX	Xp11.23	30	73.57
CPT1A	31.70	chr11	11q13.2	68	114.92
MLANA	31.70	chr9	9p24.1	51	108.38
RPS6KA5	31.68	chr14	14q31-q32.1	69	109.66
GAS2	31.68	chr11	11p14.3	54	107.80
CCDC141	31.68	chr2	2q31.2	18	73.23
ITFG2	31.67	chr12	12p13.33	51	149.52
Hs.660247	31.67	chr20	N/A	5	68.62
NRXN1	31.66	chr2	2p16.3	99	394.19
IL7R	31.66	chr5	5p13	45	84.10
ATP1A1OS	31.65	chr1	1p13.1	21	145.81
Hs.632340	31.65	chr14	N/A	14	130.07
Hs.733648	31.64	chr13	N/A	8	60.79
FKBP10	31.64	chr17	17q21.2	28	124.92
TMEM63A	31.64	chr1	1q42.12	52	64.01
Hs.379330	31.64	chr6	N/A	3	15.28
Hs.543383	31.64	chr4	N/A	3	19.81
JMY	31.64	chr5	5q14.1	28	89.94
FAM87A	31.64	chr8	8p23.3	2	117.24
SIGLEC15	31.64	chr18	18q12.3	18	70.31
Hs.657943	31.64	chr16	N/A	9	81.49
PECR	31.62	chr2	2q35	22	108.94
GNLY	31.62	chr2	2p11.2	41	101.07
ZNF691	31.62	chr1	1p34.2	24	53.78
Hs.593499	31.61	chr16	N/A	1	0.00
STK10	31.61	chr5	5q35.1	40	77.35
Hs.658335	31.61	chr11	N/A	1	0.00
LINC00691	31.61	chr3	3p24.2	9	24.64
KIAA1549L	31.60	chr11	11p13	52	303.85
TTC28-AS1	31.60	chr22	22q12.1	27	228.87
ZC2HC1A	31.60	chr8	8q21.12	46	137.42
SLX1B	31.60	chr16	16p11.2	23	136.92
Hs.543862	31.60	chr5	N/A	3	21.95
PANX1	31.60	chr11	11q21	73	155.16
PRSS54	31.59	chr16	16q21	25	154.57
TK2	31.59	chr16	16q22-q23.1	76	76.34
COG6	31.59	chr13	13q14.11	58	104.85
Hs.713056	31.59	chr7	N/A	3	10.62
Hs.734541	31.58	chr15	N/A	1	0.00
Hs.718749	31.58	chr6	N/A	5	15.17
SLC7A10	31.57	chr19	19q13.1	21	54.43
PRRG1	31.57	chrX	Xp21.1	57	109.78
ANO1	31.57	chr11	11q13.3	52	106.99
PIGA	31.57	chrX	Xp22.1	54	176.58
LOC644852	31.57	chr1	1q44	9	62.22
DGCR14	31.55	chr22	22q11.2	57	78.69
Hs.642983	31.54	chr2	N/A	10	31.62
OR6F1	31.54	chr1	1q44	8	121.36
Hs.538367	31.54	chr10	N/A	3	26.82
GRAMD1A	31.54	chr19	19q13.13	27	130.05
FAM127C	31.54	chrX	Xq26.3	10	69.99
BLOC1S5	31.53	chr6	6p25.1-p24.3	45	94.04
Hs.580641	31.53	chr20	N/A	3	12.53
Hs.568218	31.53	chr17	N/A	3	88.85

Hs.558282	31.52	chr8	N/A	3	44.47
Hs.605151	31.52	chr20	N/A	1	0.00
Hs.364893	31.51	chrX	N/A	3	25.82
Hs.423336	31.51	chr6	N/A	4	52.75
Hs.571090	31.51	chr6	N/A	3	23.29
C19orf57	31.51	chr19	19p13.12	31	147.63
LRRRC10	31.51	chr12	12q15	6	40.35
SFXN5	31.50	chr2	N/A	34	86.78
ZNF480	31.50	chr19	19q13.41	28	52.22
Hs.282993	31.50	chr8	N/A	3	7.63
SNAPC1	31.50	chr14	14q22	31	63.79
C1orf168	31.49	chr1	1p32.2	56	122.09
PSRC1	31.49	chr1	1p13.3	41	129.38
RFX2	31.49	chr19	19p13.3	46	83.80
Hs.733574	31.49	chr20	N/A	7	153.42
Hs.633652	31.49	chr15	N/A	8	122.07
Hs.657767	31.49	chr5	N/A	1	0.00
Hs.541829	31.49	chr2	N/A	3	31.18
NEB	31.49	chr2	2q22	37	103.23
Hs.664262	31.48	chr20	N/A	1	0.00
ZNF48	31.48	chr16	16p11.2	36	125.94
Hs.165774	31.47	chr21	N/A	3	34.26
NCAPD2	31.47	chr12	12p13.3	23	88.91
Hs.538100	31.47	chr1	N/A	3	43.76
GPR146	31.46	chr7	7p22.3	24	130.07
EDC3	31.46	chr15	15q24.1	64	94.60
Hs.743885	31.46	chr8	N/A	13	66.90
B3GNT2	31.46	chr2	2p15	30	58.69
Hs.710186	31.46	chr4	N/A	7	135.59
PUS7	31.46	chr7	7q22.3	49	72.44
Hs.662373	31.45	chr14	N/A	1	0.00
PCDHB4	31.45	chr5	5q31	18	77.89
ADAMTSL5	31.45	chr19	19p13.3	51	92.24
Hs.209587	31.45	chr11	N/A	14	58.08
MTRF1	31.45	chr13	13q14.1-q14.3	40	123.15
GPR78	31.45	chr4	4p16.1	19	66.55
GFRA3	31.44	chr5	5q31.1-q31.3	46	71.79
HERC5	31.44	chr4	4q22.1	21	98.50
NUP155	31.44	chr5	5p13.1	33	103.47
Hs.617532	31.43	chr2	N/A	3	30.94
CDK12	31.43	chr17	17q12	62	86.55
SHF	31.43	chr15	15q21.1	38	246.98
FZD8	31.43	chr10	10p11.21	30	80.05
ZRSR1	31.42	chr5	5q22.2	2	117.37
Hs.644597	31.42	chr19	N/A	7	44.62
C15orf38	31.42	chr15	15q26.1	34	87.01
ATF6B	31.41	chr6	6p21.3	49	88.73
TLE4	31.41	chr9	9q21.31	83	120.25
Hs.712612	31.41	chr2	N/A	20	123.88
CYP2C9	31.41	chr10	10q24	60	97.28
Hs.561594	31.40	chr6	N/A	3	37.01
APOC2	31.40	chr19	19q13.2	34	129.01
RRP1B	31.40	chr21	21q22.3	50	85.31
Hs.741353	31.40	chr13	N/A	14	132.60
Hs.602558	31.40	chr10	N/A	7	127.87
SLC10A1	31.40	chr14	14q24.1	30	156.61
LAMB3	31.40	chr1	1q32	34	132.40
GON4L	31.39	chr1	1q22	88	84.83
CC2D1B	31.39	chr1	1p32.3	36	94.16
CST7	31.39	chr20	20p11.21	31	137.93
Hs.380030	31.39	chr18	N/A	28	81.41
SYNJ1	31.38	chr21	21q22.2	50	251.13
Hs.541541	31.38	chr13	N/A	3	32.13
TBL1X	31.38	chrX	Xp22.3	69	115.98
ZNF300	31.38	chr5	5q33.1	44	295.53
Hs.659928	31.37	chr5	N/A	23	206.09

CDK3	31.37	chr17	17q25.1	36	107.43
FAM211B	31.37	chr22	22q11.23	24	105.73
TTC13	31.36	chr1	1q42.2	36	75.36
CHIT1	31.36	chr1	1q32.1	20	182.74
LYSMD1	31.36	chr1	1q21.3	19	98.16
Hs.664912	31.36	chr3	N/A	1	0.00
ING3	31.35	chr7	7q31	53	57.37
TPPP3	31.35	chr16	16q22.1	31	101.90
PKHD1L1	31.35	chr8	8q23	25	204.65
Hs.543255	31.34	chr3	N/A	3	11.47
Hs.537149	31.34	chr11	N/A	3	2.82
Hs.663305	31.34	chr17	N/A	3	45.57
PLA2G1B	31.34	chr12	12q23-q24.1	28	47.85
Hs.675607	31.33	chr1	N/A	5	60.51
C16orf62	31.33	chr16	16p12.3	57	116.29
PHACTR3	31.33	chr20	20q13.32-q13.33	23	59.06
TSHZ3	31.33	chr19	19q12	34	136.46
Hs.733847	31.33	chr3	N/A	7	158.49
C17orf64	31.32	chr17	17q23.2	28	237.90
KLHL25	31.32	chr15	15q25.3	32	83.22
IGDCC3	31.32	chr15	15q22.3-q23	42	314.22
KAL1	31.32	chrX	Xp22.32	58	140.18
HECW2	31.32	chr2	2q32.3	32	123.90
Hs.537676	31.32	chr1	N/A	3	21.43
POP1	31.32	chr8	8q22.1	56	183.30
Hs.569853	31.31	chr18	N/A	3	29.06
Hs.632856	31.31	chr12	N/A	3	23.05
AREG	31.31	chr4	4q13.3	33	166.94
SLC44A3	31.31	chr1	1p21.3	23	82.56
STAG3L1	31.30	chr7	7q11.23	46	117.84
Hs.733190	31.30	chr14	N/A	1	0.00
Hs.677073	31.30	chr9	N/A	1	0.00
PTCD2	31.30	chr5	5q13.2	24	110.52
SMAGP	31.29	chr12	12q13.13	63	100.99
GPR89B	31.29	chr1	1q21.1	48	69.77
UBIAD1	31.29	chr1	1p36.22	44	80.36
Hs.660103	31.29	chr5	N/A	15	116.29
HIST1H2BO	31.29	chr6	6p22.1	21	89.89
SEMA5B	31.28	chr3	3q21.1	23	64.66
Hs.551990	31.28	chr2	N/A	3	1.65
GGH	31.28	chr8	8q12.3	33	110.73
Hs.604558	31.27	chr19	N/A	7	27.20
Hs.561629	31.27	chr6	N/A	8	209.20
Hs.658084	31.27	chr6	N/A	1	0.00
ZNF195	31.27	chr11	11p15.5	115	187.87
PIGO	31.26	chr9	9p13.3	53	103.54
Hs.737327	31.26	chr17	N/A	1	0.00
Hs.541473	31.26	chr2	N/A	3	29.51
HIST1H4D	31.25	chr6	6p22.1	21	117.28
TMEM145	31.25	chr19	19q13.2	20	54.24
TPST1	31.25	chr7	7q11.21	37	72.23
STARD5	31.25	chr15	15q26	43	186.02
Hs.666456	31.25	chr5	N/A	7	82.80
FLJ39080	31.25	chr8	8q21.11	4	35.94
BEND5	31.25	chr1	1p33	28	73.50
Hs.721189	31.25	chr16	N/A	7	104.58
PRSS53	31.25	chr16	16p11.2	22	152.65
LOC100049716	31.24	chr12	12p13.33	15	37.95
PRR16	31.23	chr5	5q23.1	39	95.78
OR9I1	31.23	chr11	11q12.1	5	98.24
FEN1	31.22	chr11	11q12	52	102.48
IRAK3	31.21	chr12	12q14.3	56	130.67
Hs.527515	31.20	chr1	N/A	36	84.36
Hs.745022	31.20	chr16	N/A	3	23.25
Hs.671885	31.20	chr7	N/A	1	0.00
METTL25	31.20	chr12	12q21.31	36	80.28

Hs.602315	31.19	chr3	N/A	14	69.64
GEMIN7	31.19	chr19	19q13.32	35	137.78
Hs.565887	31.19	chr3	N/A	3	25.41
ABHD14B	31.19	chr3	3p21.2	36	157.32
Hs.655322	31.19	chr8	N/A	8	58.48
Hs.542137	31.18	chr2	N/A	3	69.01
Hs.290831	31.18	chr1	N/A	10	96.53
EXOG	31.17	chr3	3p21.3	76	160.29
HSD11B1L	31.17	chr19	19p13.3	28	55.86
ZNRF2	31.17	chr7	7p14.3	41	107.04
Hs.564092	31.17	chr10	N/A	3	11.52
RNF125	31.17	chr18	18q12.1	35	73.62
CDPF1	31.16	chr22	22q13.31	35	54.06
Hs.545398	31.16	chr8	N/A	3	29.06
ZSCAN1	31.16	chr19	19q13.43	19	45.55
Hs.707586	31.16	chr7	N/A	1	0.00
MCC	31.15	chr5	5q21	41	111.07
CHST15	31.15	chr10	10q26	45	100.59
Hs.729323	31.15	chr17	N/A	5	86.15
TOP3A	31.14	chr17	17p12-p11.2	45	84.87
SPSB2	31.14	chr12	12p13.31	19	91.82
MAP4K1	31.14	chr19	19q13.1-q13.4	43	82.43
PPP6R2	31.14	chr22	22q13.33	68	196.54
Hs.254477	31.14	chr3	N/A	4	139.64
RIPK1	31.14	chr6	6p25.2	47	107.42
OR13G1	31.13	chr1	1q44	8	74.60
Hs.699543	31.12	chr8	N/A	1	0.00
CXCL5	31.12	chr4	4q13.3	46	166.23
BAHCC1	31.11	chr17	17q25.3	31	147.56
TBC1D25	31.11	chrX	Xp11.23	37	94.58
CYP2A7	31.11	chr19	19q13.2	48	132.01
Hs.147885	31.11	chr7	N/A	5	42.78
Hs.126473	31.11	chr15	N/A	3	37.55
Hs.276876	31.10	chr1	N/A	1	0.00
MTMR2	31.10	chr11	11q22	60	74.89
HECW1	31.10	chr7	7p13	50	180.97
SFXN2	31.10	chr10	10q24.32	26	110.75
CXorf66	31.10	chrX	Xq27.1	5	170.71
PDE1A	31.10	chr2	2q32.1	89	108.48
ANKRD13C	31.10	chr1	1p32.3-p31.3	36	120.43
ADAMTSL3	31.10	chr15	15q25.2	57	102.23
Hs.731745	31.09	chr10	N/A	8	47.81
CCDC24	31.08	chr1	1p34.1	36	251.26
LOC729558	31.08	chr4	4q31.3	3	46.47
Hs.660218	31.08	chr20	N/A	11	57.98
DCAF4	31.08	chr14	14q24.3	51	80.00
TDRD1	31.08	chr10	10q25.3	27	147.40
KBTD6	31.08	chr13	13q14.11	35	94.64
PGGT1B	31.07	chr5	5q22.3	60	150.49
NUPL1	31.07	chr13	13q12.13	63	137.21
STX11	31.07	chr6	6q24.2	54	245.31
POLA1	31.07	chrX	Xp22.1-p21.3	41	77.77
Hs.145437	31.06	chr6	N/A	10	45.62
DPH6	31.06	chr15	15q14	37	78.34
NLK	31.06	chr17	17q11.2	53	81.91
TSSK3	31.06	chr1	1p35-p34	21	132.68
CCDC149	31.06	chr4	4p15.2	51	91.08
CD86	31.06	chr3	3q21	63	90.39
OR10A2	31.06	chr11	11p15.4	16	111.04
CD19	31.06	chr16	16p11.2	30	76.33
RAPGEF4	31.06	chr2	2q31-q32	42	174.50
TMEM97	31.04	chr17	17q11.2	61	121.16
ACAD10	31.04	chr12	12q24.12	58	104.11
SSTR5	31.04	chr16	16p13.3	23	167.08
Hs.105575	31.04	chr10	N/A	28	124.00
Hs.428457	31.04	chr6	N/A	3	24.69

HSH2D	31.03	chr19	19p13.12	19	97.36
MARK1	31.03	chr1	1q41	47	84.06
TRAF3	31.03	chr14	14q32.32	45	75.56
C14orf132	31.03	chr14	14q32.2	55	155.02
Hs.191475	31.03	chr1	N/A	11	115.95
KIF3A	31.03	chr5	5q31	38	84.07
Hs.559912	31.02	chr11	N/A	3	16.76
Hs.722506	31.02	chr3	N/A	3	7.48
UBD	31.02	chr6	6p21.3	28	137.90
SAMD9L	31.01	chr7	7q21.2	40	69.15
Hs.707102	31.01	chr3	N/A	2	74.21
RNGTT	31.01	chr6	6q16	38	118.93
Hs.145851	31.01	chr3	N/A	10	181.17
YEATS2	31.01	chr3	3q27.1	56	95.36
Hs.664678	31.01	chr5	N/A	7	81.37
Hs.667641	31.00	chr16	N/A	2	11.59
SEC16B	31.00	chr1	1q25.2	43	106.75
SLC52A3	31.00	chr20	20p13	20	72.45
S1PR2	30.99	chr19	19p13.2	33	136.87
GIMAP2	30.99	chr7	7q36.1	29	90.56
Hs.538565	30.99	chr10	N/A	3	43.18
Hs.660779	30.99	chr15	N/A	1	0.00
WDR36	30.99	chr5	5q22.1	70	126.67
SIGLEC11	30.98	chr19	19q13.33	33	263.15
ZDHH13	30.98	chr11	11p15.1	53	101.65
NUAK2	30.97	chr1	1q32.1	20	98.48
Hs.577338	30.96	chr11	N/A	3	1.54
ELP4	30.96	chr11	11p13	51	94.28
Hs.666388	30.96	chr3	N/A	2	19.09
TLR1	30.96	chr4	4p14	30	112.41
Hs.569094	30.95	chr12	N/A	3	39.09
TRH	30.95	chr3	3q13.3-q21	43	75.55
Hs.660098	30.95	chr9	N/A	8	59.39
Hs.292031	30.94	chr3	N/A	3	35.28
ZNF575	30.94	chr19	19q13.31	31	131.78
LOC440313	30.93	chr15	15q26.3	3	40.04
C5orf50	30.93	chr5	5q35.1	2	117.57
SPATA5L1	30.93	chr15	15q21.1	48	115.38
Hs.742387	30.93	chr11	N/A	3	24.17
SMAD6	30.92	chr15	15q21-q22	73	159.30
Hs.622117	30.92	chr2	N/A	3	35.95
TRMT13	30.92	chr1	1p21.2	39	141.40
Hs.657183	30.92	chr21	N/A	1	0.00
Hs.541781	30.92	chr2	N/A	3	58.07
LOC440894	30.92	chr2	2q13	13	141.03
Hs.210837	30.91	chr18	N/A	1	0.00
ZSCAN22	30.91	chr19	19q13.43	33	68.94
TAF6L	30.90	chr11	11q12.3	50	218.14
TMPRSS9	30.90	chr19	19p13.3	24	139.00
Hs.555247	30.90	chr9	N/A	3	31.99
CPLX3	30.89	chr15	15q24.1	26	94.22
MBIP	30.89	chr14	14q13.3	38	88.60
Hs.634084	30.89	chr15	N/A	3	58.82
ACVR2B-AS1	30.89	chr3	3p22.2	5	48.11
ZNF561	30.88	chr19	19p13.2	45	234.07
ART1	30.88	chr11	11p15	25	156.41
DICER1-AS1	30.88	chr14	14q32.13	22	69.31
ZNF479	30.88	chr7	7p11.2	17	69.39
METTL21B	30.87	chr12	12q14.1	43	89.63
Hs.563486	30.87	chr7	N/A	3	17.15
POU3F4	30.87	chrX	Xq21.1	30	139.95
PPP1R9B	30.87	chr17	17q21.33	37	96.71
CAPN5	30.87	chr11	11q14	36	66.77
CRLF3	30.86	chr17	17q11.2	57	107.32
RUNX3	30.85	chr1	1p36	46	106.38
TRIM7	30.85	chr5	5q35.3	58	100.89

LOC100129434	30.85	chr2	2p16.1	13	41.41
MYOZ1	30.85	chr10	10q22.1	28	91.40
TRANK1	30.84	chr3	3p22.2	39	95.82
KDM4B	30.84	chr19	19p13.3	72	120.99
TEAD4	30.84	chr12	12p13.3-p13.2	41	101.61
Hs.712822	30.84	chr3	N/A	15	85.74
UTP23	30.84	chr8	8q24.11	38	81.18
GPR182	30.84	chr12	12q13.3	31	109.12
Hs.713887	30.84	chr8	N/A	7	77.88
ASH1L-AS1	30.83	chr1	1q22	11	24.85
KRT25	30.83	chr17	17q21.2	24	137.65
Hs.666777	30.82	chr9	N/A	1	0.00
Hs.707212	30.82	chr1	N/A	7	117.27
CTH	30.82	chr1	1p31.1	60	109.54
CENPT	30.81	chr16	16q22.1	38	91.67
ARHGEF16	30.80	chr1	1p36.3	30	120.04
Hs.195035	30.80	chr12	N/A	3	22.37
Hs.398035	30.80	chr14	N/A	3	14.05
BEGAIN	30.80	chr14	14q32.2	21	65.89
MYO5C	30.80	chr15	15q21	42	112.53
Hs.128357	30.79	chr16	N/A	7	96.81
Hs.550004	30.79	chr4	N/A	3	12.41
Hs.655522	30.79	chr1	N/A	1	0.00
POLR1E	30.79	chr9	9p13.2	64	132.82
LOC100507506	30.78	chr6	N/A	1	0.00
SLC46A3	30.78	chr13	13q12.3	42	122.79
LGI4	30.77	chr19	19q13.11	27	132.27
C1orf27	30.77	chr1	1q25	56	64.78
PARP16	30.77	chr15	15q22.31	42	77.42
SPATC1L	30.77	chr21	21q22.3	45	123.86
Hs.538784	30.77	chr11	N/A	3	9.42
ZNF565	30.77	chr19	19q13.12	28	59.00
LIMD1-AS1	30.76	chr3	3p21.31	8	84.60
Hs.709419	30.76	chr1	N/A	7	71.17
NXP3	30.76	chr17	17q21.33	43	130.92
Hs.364613	30.76	chr9	N/A	3	16.39
Hs.675976	30.76	chr7	N/A	1	0.00
KIAA1967	30.76	chr8	8p22	39	116.82
TRMT61A	30.76	chr14	14q32	51	93.41
ACMSD	30.76	chr2	2q21.3	43	298.08
CCDC125	30.76	chr5	5q13.2	35	136.73
Hs.696058	30.75	chr5	N/A	1	0.00
LOC100506054	30.75	chr2	2p25	11	222.10
OR52A5	30.74	chr11	11p15.4	11	71.72
KIAA1715	30.74	chr2	2q31	80	62.22
Hs.615439	30.74	chrX	N/A	3	46.69
UAP1L1	30.73	chr9	9q34.3	20	90.45
S100A2	30.73	chr1	1q21	32	94.30
Hs.732357	30.73	chr4	N/A	10	71.94
Hs.550354	30.73	chr18	N/A	3	48.58
Hs.543723	30.73	chr4	N/A	3	7.38
ZNF676	30.72	chr19	19p12	20	66.04
ZNF615	30.72	chr19	19q13.41	29	87.30
FRS2	30.72	chr12	12q15	57	163.62
Hs.666795	30.70	chr14	N/A	1	0.00
ACAN	30.70	chr15	15q26.1	56	82.87
Hs.560080	30.69	chr12	N/A	3	16.50
BTAF1	30.69	chr10	10q22-q23	30	78.91
SRBD1	30.69	chr2	2p21	30	75.73
Hs.663762	30.68	chr3	N/A	1	0.00
C11orf49	30.68	chr11	11p11.2	59	83.44
KLHL2	30.68	chr4	4q21.2	28	84.25
Hs.669325	30.68	chr9	N/A	21	32.69
NT5DC3	30.68	chr12	12q22-q23.1	35	117.59
Hs.563557	30.68	chr8	N/A	3	23.68
HOXB5	30.67	chr17	17q21.3	42	168.07

SHQ1	30.67	chr3	3p13	57	87.76
Hs.655930	30.67	chr10	N/A	32	127.76
Hs.732899	30.66	chr1	N/A	1	0.00
ABHD6	30.66	chr3	3p14.3	57	71.84
Hs.664381	30.66	chr7	N/A	14	108.96
LRRRC57	30.65	chr15	15q15.2	36	73.03
MTMR6	30.64	chr13	13q12	34	95.41
DPM2	30.64	chr9	9q34.13	55	71.06
IMMP1L	30.64	chr11	11p13	15	102.82
RLIM	30.63	chrX	Xq13-q21	46	139.32
KCTD11	30.63	chr17	17p13.1	19	78.04
P2RX6	30.63	chr22	22q11.21	35	180.64
ZNF324	30.63	chr19	19q13.43	30	111.29
JRKL	30.63	chr11	11q21	38	101.64
Hs.604683	30.63	chr11	N/A	7	68.17
SMTNL2	30.63	chr17	17p13.2	30	78.33
Hs.668535	30.63	chr1	N/A	7	48.40
LINC00593	30.62	chr15	15q23	12	61.18
Hs.607939	30.62	chr17	N/A	1	0.00
FAM76A	30.62	chr1	1p35.3	66	153.99
Hs.660503	30.62	chr2	N/A	8	58.25
Hs.713119	30.62	chr15	N/A	5	68.83
Hs.566325	30.61	chr5	N/A	3	56.17
COG7	30.61	chr16	16p12.2	44	69.03
FAM228B	30.61	chr2	2p23.3	12	61.11
Hs.656225	30.60	chr11	N/A	1	0.00
LOC100287210	30.60	chr7	7q36.2	1	0.00
ZFP112	30.59	chr19	19q13.2	28	134.99
Hs.638121	30.59	chr17	N/A	17	70.85
Hs.668281	30.59	chr12	N/A	7	80.48
Hs.19985	30.59	chr11	N/A	11	89.07
Hs.655591	30.59	chr3	N/A	22	74.12
Hs.573029	30.58	chr4	N/A	3	28.67
DNA2	30.58	chr10	10q21.3-q22.1	33	99.68
HMHB1	30.58	chr5	5q31.3	23	144.65
DNASE1	30.58	chr16	16p13.3	39	142.39
DUS3L	30.58	chr19	19p13.3	27	106.71
TMEM231	30.57	chr16	16q23.1	42	79.17
CALML3	30.57	chr10	10p15.1	40	93.38
Hs.577737	30.57	chr12	N/A	3	62.31
Hs.562943	30.57	chr2	N/A	3	53.19
COIL	30.57	chr17	17q22	35	115.94
ZEB1-AS1	30.57	chr10	10p11.22	11	81.19
MEN1	30.56	chr11	11q13	49	82.31
ADORA2B	30.56	chr17	17p12	30	124.31
PANX3	30.55	chr11	11q24.2	22	78.82
MGC42157	30.55	chr4	4p14	14	60.73
ANKDD1A	30.55	chr15	15q22.31	43	87.92
TAP2	30.55	chr6	6p21.3	62	98.69
TMCC1	30.55	chr3	3q22.1	125	104.62
EVA1B	30.55	chr1	1p34.3	34	76.58
Hs.542049	30.55	chr2	N/A	3	21.23
Hs.559746	30.54	chr1	N/A	3	43.60
SLC36A4	30.54	chr11	11q21	43	80.69
CENPBD1	30.53	chr16	16q24.3	45	138.55
OR10H3	30.53	chr19	19p13.1	23	107.59
ATP1A4	30.53	chr1	1q23.2	44	106.15
KIAA1430	30.52	chr4	4q35.1	47	125.01
Hs.635113	30.50	chr12	N/A	3	139.37
Hs.116405	30.50	chr5	N/A	3	58.42
RNF8	30.50	chr6	6p21.3	51	96.28
Hs.518867	30.49	chr4	N/A	3	41.36
Hs.581096	30.49	chr22	N/A	5	91.80
MGC21881	30.49	chr9	9q21.11	38	79.60
Hs.669878	30.48	chr5	N/A	1	0.00
OR4C13	30.48	chr11	11p11.12	11	176.21

Hs.148805	30.48	chr6	N/A	2	22.53
ADAMTS5	30.48	chr21	21q21.3	45	74.55
Hs.696079	30.47	chrX	N/A	8	35.75
GAL3ST4	30.47	chr7	7q22.1	21	84.01
CECR2	30.47	chr22	22q11.2	24	89.99
Hs.732484	30.46	chr5	N/A	7	65.24
Hs.570637	30.46	chr3	N/A	7	53.91
OR51B5	30.46	chr11	11p15.4	21	93.64
Hs.596334	30.46	chr7	N/A	8	95.25
LOC100505786	30.46	chr3	N/A	1	0.00
Hs.37749	30.46	chr3	N/A	3	52.86
Hs.200611	30.45	chr17	N/A	3	27.46
Hs.724207	30.45	chr18	N/A	1	0.00
KCTD15	30.45	chr19	19q13.11	58	93.19
FAM111A	30.45	chr11	11q12.1	45	64.95
FAM105B	30.44	chr5	5p15.2	59	121.78
Hs.519100	30.43	chr4	N/A	3	23.81
LOC100506136	30.43	chr7	N/A	3	29.66
Hs.710384	30.43	chr14	N/A	7	52.98
CCNE1	30.43	chr19	19q12	42	69.61
NPHP3	30.42	chr3	3q22.1	34	86.24
Hs.138760	30.42	chr5	N/A	12	67.21
Hs.652553	30.42	chr3	N/A	7	74.49
ERC2-IT1	30.42	chr3	3p14.3	27	106.41
ZNF507	30.41	chr19	19q13.11	59	112.97
Hs.661502	30.41	chr10	N/A	1	0.00
Hs.732754	30.41	chr11	N/A	3	8.68
IGDCC4	30.41	chr15	15q22.31	41	134.15
Hs.714331	30.40	chr10	N/A	1	0.00
Hs.276262	30.39	chr5	N/A	3	31.07
ZNF7	30.39	chr8	8q24	33	57.99
GLCCI1	30.39	chr7	7p21.3	56	152.08
RNF169	30.39	chr11	11q13.4	24	48.94
Hs.659907	30.38	chr2	N/A	17	117.45
KIAA1683	30.38	chr19	19p13.1	26	137.64
SLC23A1	30.38	chr5	5q31.2	29	177.70
Hs.573794	30.38	chr1	N/A	3	28.11
ATP2B2	30.38	chr3	3p25.3	58	429.51
C2orf88	30.38	chr2	2q32.2	40	150.18
CHMP4C	30.37	chr8	8q21.13	33	121.11
Hs.580472	30.37	chr2	N/A	3	35.15
NPBWR1	30.36	chr8	8p22-q21.13	17	81.54
Hs.658407	30.36	chr7	N/A	11	93.16
Hs.564968	30.36	chr16	N/A	3	7.88
ATP11B	30.35	chr3	3q27	89	99.30
Hs.668514	30.35	chr3	N/A	7	102.27
LLGL1	30.34	chr17	17p11.2	43	105.60
GSAP	30.34	chr7	7q11.23	51	119.90
THEM4	30.34	chr1	1q21	57	77.17
SFR1	30.33	chr10	10q25.1	37	68.10
Hs.572539	30.33	chr19	N/A	1	0.00
Hs.602416	30.33	chr16	N/A	7	76.89
IL12RB2	30.32	chr1	1p31.3-p31.2	30	196.72
PTPN2	30.32	chr18	18p11.3-p11.2	76	170.26
MRO	30.31	chr18	18q21	31	208.29
SLC9A2	30.31	chr2	2q11.2	35	148.78
Hs.540607	30.31	chr16	N/A	3	55.58
CCDC136	30.30	chr7	7q33	22	84.04
SNORD100	30.30	chr6	6q23.2	3	50.27
LOC642648	30.30	chr22	22q13.31	3	43.07
TDRD3	30.30	chr13	13q21.2	43	148.09
Hs.560463	30.30	chr16	N/A	3	41.82
Hs.683268	30.30	chr19	N/A	3	13.51
Hs.584335	30.29	chr9	N/A	3	23.21
Hs.583585	30.29	chr8	N/A	3	40.17
Hs.197715	30.29	chr7	N/A	3	32.36

RAP2B	30.28	chr3	3q25.2	59	209.45
TYRO3	30.28	chr15	15q15	37	71.89
NUP210	30.27	chr3	3p25.1	75	141.11
LRP12	30.27	chr8	8q22.2	41	88.01
TCTE3	30.27	chr6	6q27	46	154.07
RAP1GDS1	30.27	chr4	4q23-q25	74	94.67
PLCB1	30.27	chr20	20p12	76	119.05
PCED1B	30.27	chr12	12q13.11	19	66.32
Hs.598839	30.26	chr10	N/A	2	31.26
HOXB6	30.26	chr17	17q21.3	47	114.36
MYLK4	30.26	chr6	6p25.2	15	180.85
Hs.541965	30.25	chr2	N/A	3	24.77
DDX52	30.25	chr17	17q21.1	56	62.77
Hs.714072	30.25	chr4	N/A	5	136.96
PSTPIP1	30.25	chr15	15q24-q25.1	28	97.15
Hs.712806	30.25	chr18	N/A	7	81.66
Hs.541063	30.25	chr18	N/A	3	19.09
HIST1H2BM	30.24	chr6	6p22.1	23	54.80
Hs.585419	30.24	chr1	N/A	11	58.48
PRICKLE3	30.24	chrX	Xp11.23	30	202.68
MED17	30.24	chr11	11q14	78	185.52
ARL4D	30.24	chr17	17q21.31	44	109.57
Hs.668375	30.24	chr9	N/A	7	89.17
STK3	30.24	chr8	8q22.2	52	124.66
ERLIN1	30.24	chr10	10q21-q22	45	66.66
Hs.574431	30.24	chr17	N/A	3	70.35
Hs.660289	30.23	chr10	N/A	7	64.97
Hs.662095	30.23	chr19	N/A	3	127.79
Hs.701152	30.23	chr21	N/A	1	0.00
Hs.209140	30.22	chr19	N/A	3	21.42
F5	30.22	chr1	1q23	77	87.98
Hs.734579	30.22	chr15	N/A	8	18.00
Hs.279770	30.22	chr19	N/A	3	33.84
S1PR3	30.21	chr9	9q22.1-q22.2	67	150.21
Hs.598106	30.21	chr10	N/A	1	0.00
CCR3	30.20	chr3	3p21.3	45	164.60
AKAP10	30.20	chr17	17p11.1	39	156.10
L1CAM	30.20	chrX	Xq28	52	159.09
PGM3	30.20	chr6	6q14.1-q15	79	79.75
KBTBD7	30.20	chr13	13q14.11	34	136.96
MTX3	30.19	chr5	5q14.1	50	118.12
PAPPA	30.19	chr9	9q33.2	115	175.54
Hs.637222	30.19	chr6	N/A	3	44.47
Hs.618771	30.19	chr1	N/A	10	118.76
LYRM9	30.19	chr17	17q11.2	39	104.12
Hs.594262	30.19	chr1	N/A	10	32.94
Hs.584377	30.19	chrX	N/A	3	25.44
GUF1	30.19	chr4	4p12	32	103.43
Hs.656858	30.19	chr3	N/A	8	138.21
SLC35G2	30.18	chr3	3q22.3	44	76.36
Hs.675439	30.18	chr13	N/A	1	0.00
WWOX	30.18	chr16	16q23.3-q24.1	140	125.80
ITPKA	30.18	chr15	15q15.1	30	93.17
TRMT2A	30.18	chr22	22q11.21	54	124.88
Hs.566076	30.18	chr4	N/A	3	69.21
MAP2K5	30.17	chr15	15q23	97	111.60
Hs.116134	30.17	chr7	N/A	7	194.64
ZNF526	30.17	chr19	19q13.2	26	45.70
TXNRD2	30.17	chr22	22q11.21	70	143.27
LINC00184	30.15	chr1	1q42.3	2	0.26
AGA	30.15	chr4	4q34.3	45	69.57
Hs.639453	30.15	chr7	N/A	3	35.96
SV2A	30.14	chr1	1q21.2	30	120.52
Hs.662054	30.14	chr2	N/A	3	157.14
HAUS8	30.14	chr19	19p13.11	27	65.39
Hs.164441	30.14	chr1	N/A	3	26.60

Hs.574658	30.14	chr2	N/A	3	37.87
Hs.570028	30.13	chr19	N/A	4	51.17
Hs.650506	30.12	chr13	N/A	3	19.58
PLXNA3	30.12	chrX	Xq28	32	86.74
BATF3	30.12	chr1	1q32.3	18	62.19
OR8D1	30.12	chr11	11q24.2	17	65.90
Hs.655118	30.11	chr13	N/A	11	46.68
FAM57A	30.11	chr17	17p13.3	28	95.37
TSPAN8	30.10	chr12	12q14.1-q21.1	38	205.87
Hs.665135	30.10	chr1	N/A	1	0.00
Hs.673484	30.10	chr1	N/A	1	0.00
SETBP1	30.10	chr18	18q21.1	50	133.91
DMKN	30.10	chr19	19q13.12	35	60.37
COLGALT2	30.10	chr1	1q25	47	64.88
KRTAP2-1	30.10	chr17	17q12-q21	17	74.22
LOC285577	30.10	chr5	5p15.33	4	62.33
Hs.129244	30.09	chr20	N/A	10	158.68
Hs.670156	30.09	chr19	N/A	1	0.00
Hs.665271	30.09	chr21	N/A	1	0.00
PCGF3	30.09	chr4	4p16.3	84	77.50
SP4	30.08	chr7	7p15.3	34	117.66
ALKBH3	30.08	chr11	11p11.2	26	116.13
ZNF3	30.07	chr7	7q22.1	78	92.91
Hs.594906	30.07	chr3	N/A	3	24.84
PVALB	30.07	chr22	22q13.1	34	157.88
SLC22A14	30.06	chr3	3p21.3	30	104.15
HSPA7	30.06	chr1	1q23.3	7	62.52
Hs.579070	30.06	chr17	N/A	3	33.56
GPR142	30.06	chr17	17q25.1	16	75.99
CD3D	30.06	chr11	11q23	36	120.03
Hs.667705	30.06	chr1	N/A	10	42.99
LTA	30.06	chr6	6p21.3	34	174.10
Hs.656522	30.06	chr2	N/A	7	87.14
SNHG7	30.06	chr9	9q34.3	49	129.18
Hs.664485	30.05	chr9	N/A	7	22.64
Hs.277697	30.04	chr15	N/A	6	72.98
LINC00869	30.04	chr1	1q21.1	21	200.31
Hs.579531	30.04	chr18	N/A	3	12.46
MIA3	30.04	chr1	1q41	67	109.99
Hs.550186	30.04	chr4	N/A	3	15.53
Hs.211182	30.04	chr9	N/A	3	37.04
Hs.553283	30.03	chr7	N/A	3	18.17
KIR2DL3	30.03	chr19	19q13.4	19	52.46
DHFR	30.02	chr5	5q11.2-q13.2	123	76.85
VCX	30.02	chrX	Xp22	20	125.81
Hs.578150	30.02	chr14	N/A	3	27.73
Hs.638888	30.01	chr18	N/A	3	47.41
AP5Z1	30.01	chr7	7p22.2	32	71.63
SETD4	30.01	chr21	21q22.13	63	90.82
Hs.600665	30.01	chr6	N/A	5	54.45
RFT1	30.00	chr3	3p21.1	42	73.92
ORAI2	30.00	chr7	7q22.1	63	246.18
CCDC71L	30.00	chr7	7q22.3	47	143.86
ZNF816	29.99	chr19	19q13.41	17	58.23
Hs.547925	29.99	chr11	N/A	7	95.74
Hs.507916	29.99	chr13	N/A	14	106.84
EPSTI1	29.98	chr13	13q13.3	37	130.79
Hs.545048	29.98	chr7	N/A	3	53.81
LOC90246	29.98	chr3	3q21.3	19	88.96
DNER	29.97	chr2	2q36.3	38	130.19
KIFC2	29.97	chr8	8q24.3	20	47.10
Hs.661667	29.96	chr2	N/A	7	54.47
Hs.738100	29.96	chr5	N/A	3	46.25
Hs.421737	29.96	chr6	N/A	7	96.58
TMCO6	29.96	chr5	5q31.3	28	71.32
ZBTB33	29.96	chrX	Xq23	50	186.50

ZSWIM5	29.95	chr1	1p34.1	34	114.93
LRRN3	29.95	chr7	7q31.1	53	194.10
SUFU	29.95	chr10	10q24.32	44	299.23
Hs.555931	29.95	chrX	N/A	8	63.73
CASP8AP2	29.95	chr6	6q15	36	147.52
PDZD8	29.95	chr10	10q26.12	32	142.60
Hs.430742	29.94	chr7	N/A	3	8.51
Hs.24907	29.94	chr15	N/A	7	97.60
Hs.581650	29.93	chr3	N/A	3	3.88
OR5H1	29.93	chr3	3q11.2	18	97.34
Hs.544833	29.93	chr7	N/A	3	33.64
Hs.720460	29.93	chr3	N/A	9	90.80
KIAA0319	29.93	chr6	6p22.3-p22.2	49	299.28
Hs.633182	29.93	chr19	N/A	9	68.46
Hs.668462	29.92	chr18	N/A	7	96.53
HAAO	29.92	chr2	2p21	37	74.17
LOH12CR1	29.92	chr12	12p12	36	45.65
GPR125	29.92	chr4	4p15.2	60	117.05
Hs.430300	29.92	chr11	N/A	22	77.49
BLM	29.92	chr15	15q26.1	44	83.50
Hs.255157	29.92	chr16	N/A	1	0.00
OR2H2	29.91	chr6	6p21.3	28	73.69
SYNE4	29.91	chr19	19q13.12	17	58.76
Hs.572281	29.90	chr12	N/A	1	0.00
UGGT1	29.90	chr2	2q14.3	67	109.94
YOD1	29.90	chr1	1q32.2	51	132.49
Hs.60257	29.89	chr16	N/A	27	155.51
Hs.704274	29.89	chr20	N/A	3	9.01
POLK	29.89	chr5	5q13	77	109.12
ERMAP	29.89	chr1	1p34.2	36	242.09
Hs.659737	29.89	chr9	N/A	7	140.35
INSL3	29.89	chr19	19p13.2-p12	48	106.04
Hs.539982	29.88	chr14	N/A	3	45.37
Hs.659616	29.88	chr3	N/A	7	63.31
LOC145783	29.87	chr15	15q21.3	15	60.07
Hs.512276	29.87	chr14	N/A	3	56.58
ASB6	29.87	chr9	9q34.13	45	67.54
Hs.597002	29.87	chr1	N/A	3	27.08
Hs.434927	29.86	chr3	N/A	14	55.86
TRIL	29.86	chr7	7p14.3	35	89.16
Hs.653381	29.86	chr10	N/A	1	0.00
SMOC1	29.85	chr14	14q24.2	33	128.84
STK35	29.85	chr20	20p13	42	126.70
C3orf14	29.85	chr3	3p14.2	31	79.60
Hs.538951	29.85	chr11	N/A	3	15.50
OSCAR	29.84	chr19	19q13.42	30	67.20
DIS3L2	29.84	chr2	2q37.1	49	121.48
Hs.736409	29.83	chr3	N/A	1	0.00
OR14J1	29.83	chr6	6p22.1	9	130.19
GMNC	29.83	chr3	3q28	4	60.44
XDH	29.83	chr2	2p23.1	29	155.49
Hs.659420	29.83	chrX	N/A	4	30.96
SOX1	29.82	chr13	13q34	53	186.56
Hs.195721	29.82	chr7	N/A	3	51.84
SOAT1	29.82	chr1	1q25	61	107.61
Hs.603139	29.82	chr6	N/A	7	54.91
Hs.665895	29.82	chr3	N/A	8	110.98
TSEN54	29.81	chr17	17q25.1	40	90.42
ANO10	29.81	chr3	3p22.1	20	65.81
CNPY3	29.81	chr6	6pter-p12.1	56	79.86
PREX1	29.81	chr20	20q13.13	34	88.85
Hs.592323	29.81	chr14	N/A	3	20.27
Hs.540037	29.81	chr14	N/A	3	44.75
Hs.149133	29.81	chr20	N/A	7	86.13
Hs.280924	29.81	chr16	N/A	3	45.34
SRGAP2	29.80	chr1	1q32.1	65	133.09

GBP6	29.80	chr1	1p22.2	15	211.83
EXOSC2	29.80	chr9	9q34	38	139.39
PHTF1	29.80	chr1	1p13	50	101.47
Hs.658804	29.79	chr1	N/A	7	73.92
Hs.547260	29.78	chr1	N/A	3	5.67
TLL13	29.78	chr15	15q26.1	6	76.32
LOC100133039	29.78	chr3	3p25.2	11	40.16
DNAI2	29.78	chr17	17q25	26	241.67
CD7	29.77	chr17	17q25.2-q25.3	28	91.31
Hs.623236	29.77	chr17	N/A	3	5.82
IRG1	29.77	chr13	13q22.3	1	0.00
TNFSF12	29.77	chr17	17p13	3	13.18
LOC100630923	29.77	chr7	7q22.1	12	115.83
ING2	29.77	chr4	4q35.1	39	75.57
UROC1	29.77	chr3	3q21.3	38	244.56
Hs.454036	29.76	chr8	N/A	9	15.76
TMEM161B	29.75	chr5	5q14.3	36	67.84
CRYBB3	29.75	chr22	22q11.23	33	114.70
HBE1	29.75	chr11	11p15.5	42	124.33
Hs.678079	29.75	chr2	N/A	8	46.72
GPR1	29.75	chr2	2q33.3	33	126.35
Hs.670986	29.74	chr20	N/A	1	0.00
Hs.540663	29.74	chr16	N/A	3	48.52
Hs.37204	29.74	chr5	N/A	3	23.96
Hs.664835	29.74	chr12	N/A	8	164.65
MON1A	29.74	chr3	3p21.31	26	58.59
SORD	29.73	chr15	15q15.3	63	59.13
PGAM5	29.72	chr12	12q24.33	51	140.10
Hs.594343	29.72	chr1	N/A	7	118.13
Hs.577912	29.72	chr13	N/A	3	25.35
OR8B4	29.71	chr11	11q24.2	8	154.35
RSPO3	29.70	chr6	6q22.33	45	237.34
Hs.544320	29.70	chr6	N/A	3	5.62
PLP1	29.69	chrX	Xq22	36	127.68
Hs.674648	29.69	chr5	N/A	1	0.00
ZNF324B	29.69	chr19	19q13.43	12	97.49
HIC2	29.69	chr22	22q11.21	62	101.27
ZBTB10	29.69	chr8	8q13-q21.1	100	138.36
Hs.731041	29.68	chrX	N/A	5	45.72
Hs.657189	29.68	chr2	N/A	1	0.00
Hs.658181	29.68	chr3	N/A	14	108.74
HSPC081	29.67	chr1	1q23.2	10	39.81
ZCCHC5	29.67	chrX	Xq21.1	29	243.33
Hs.733705	29.66	chr18	N/A	8	45.08
NCOA7	29.66	chr6	6q22.32	47	109.38
PP7080	29.66	chr5	5p15.33	26	64.21
NAPB	29.66	chr20	20p12.3-p11.21	30	107.75
RFX3	29.66	chr9	9p24.2	87	311.80
DHODH	29.65	chr16	16q22	40	55.79
Hs.104751	29.65	chr4	N/A	3	6.88
Hs.445442	29.64	chr11	N/A	4	26.07
Hs.371906	29.64	chr3	N/A	3	16.44
BCHE	29.64	chr3	3q26.1-q26.2	31	66.78
CHIC1	29.64	chrX	Xq13.2	33	93.50
Hs.657608	29.64	chr12	N/A	7	36.64
VPS16	29.63	chr20	20p13	20	83.64
SERTM1	29.63	chr13	13q13.3	14	77.90
SQLE	29.63	chr8	8q24.1	44	86.91
Hs.665051	29.62	chr12	N/A	1	0.00
Hs.654763	29.62	chr8	N/A	47	54.77
KRT6A	29.62	chr12	12q13.13	28	138.65
PLA1A	29.61	chr3	3q13.13-q13.2	38	94.88
DMTF1	29.61	chr7	7q21	54	80.57
MS4A4A	29.61	chr11	11q12	41	71.90
OR8K5	29.61	chr11	11q12.1	11	130.26
Hs.624078	29.61	chr17	N/A	1	0.00

RHBDD3	29.60	chr22	22q12.2	37	61.66
Hs.382969	29.60	chr2	N/A	10	46.02
Hs.290856	29.60	chr5	N/A	8	193.84
ZNF350	29.59	chr19	19q13.41	43	183.91
Hs.713164	29.59	chr14	N/A	3	10.62
Hs.660995	29.59	chr7	N/A	1	0.00
ZBTB48	29.59	chr1	1p36.3	27	112.11
FLJ20444	29.59	chr9	9q21	17	156.68
IZUMO4	29.58	chr19	19p13.3	53	120.04
Hs.355225	29.58	chr6	N/A	1	0.00
B3GALNT2	29.58	chr1	1q42.3	32	115.82
HTR1D	29.58	chr1	1p36.3-p34.3	30	130.98
TTL	29.57	chr2	2q13	52	156.88
GSTCD	29.56	chr4	4q24	51	217.18
MECOM	29.56	chr3	3q26.2	101	209.58
CTAGE9	29.56	chr6	6q23.2	8	66.41
MFS9	29.56	chr2	2q12.1	40	145.84
Hs.624265	29.56	chr3	N/A	5	158.88
UGT2B7	29.55	chr4	4q13	47	138.07
WFDC9	29.55	chr20	20q13.12	18	92.92
GCFC2	29.55	chr2	2p12	56	96.24
Hs.371407	29.55	chr14	N/A	7	38.53
Hs.541225	29.55	chr19	N/A	3	46.82
Hs.709778	29.54	chr22	N/A	1	0.00
C3orf52	29.53	chr3	3q13.2	38	90.09
DNAAF1	29.53	chr16	16q24.1	37	140.59
Hs.544071	29.53	chr5	N/A	3	35.79
ANKRD32	29.53	chr5	5q15	47	98.85
Hs.566643	29.52	chr7	N/A	3	31.41
PDE5A	29.52	chr4	4q27	89	148.86
Hs.603086	29.52	chr2	N/A	14	69.89
FAM110C	29.52	chr2	2p25.3	23	167.27
ANGPTL1	29.52	chr1	1q25.2	52	92.33
ZNF107	29.52	chr7	7q11.2	57	109.24
Hs.667227	29.52	chr6	N/A	3	121.14
Hs.670871	29.51	chr1	N/A	1	0.00
KCTD21	29.51	chr11	11q14.1	16	77.36
ATF7IP2	29.51	chr16	16p13.13	40	105.28
POLG2	29.51	chr17	17q	30	69.87
Hs.713797	29.50	chr20	N/A	22	97.92
DGCR8	29.49	chr22	22q11.2	56	89.63
SOLH	29.49	chr16	16p13.3	49	121.00
Hs.687369	29.49	chr11	N/A	23	83.74
Hs.133031	29.49	chr1	N/A	17	130.76
UBA6	29.48	chr4	4q13.2	106	180.44
Hs.730291	29.48	chr1	N/A	3	25.27
SGMS2	29.48	chr4	4q25	21	129.74
Hs.736259	29.48	chr20	N/A	5	61.97
TXNL4B	29.47	chr16	16q22.2	49	98.16
ARL4C	29.47	chr2	2q37.1	70	143.17
ORC5	29.47	chr7	7q22.1	56	122.79
MED14	29.47	chrX	Xp11.4	86	141.70
DIAPH2	29.47	chrX	Xq21.33	60	82.25
FLCN	29.47	chr17	17p11.2	62	101.88
GP1BA	29.47	chr17	17pter-p12	33	99.25
COPS7B	29.47	chr2	2q37.1	44	138.80
MAGI2	29.46	chr7	7q21	46	203.67
NLE1	29.46	chr17	17q12	38	101.75
ABCC9	29.45	chr12	12p12.1	82	214.65
Hs.137540	29.45	chr4	N/A	5	64.28
ZNF614	29.43	chr19	19q13.41	50	71.28
Hs.668906	29.43	chr9	N/A	1	0.00
Hs.539721	29.43	chr13	N/A	5	69.69
ARL15	29.43	chr5	5p15.2	38	129.20
FCGR2C	29.43	chr1	1q23.3	26	113.87
Hs.650722	29.42	chr7	N/A	3	15.52

Hs.745225	29.42	chr19	N/A	7	54.97
Hs.598460	29.42	chr11	N/A	7	80.86
C9orf173	29.42	chr9	9q34.3	10	92.65
Hs.527885	29.42	chr12	N/A	3	23.40
Hs.670112	29.41	chr4	N/A	1	0.00
WFDC1	29.41	chr16	16q24.3	28	56.56
GNG2	29.41	chr14	14q21	81	160.77
TSPAN33	29.41	chr7	7q32.1	43	125.53
Hs.724030	29.40	chr2	N/A	4	37.00
ZDHC19	29.40	chr3	3q29	29	142.12
Hs.745231	29.40	chr2	N/A	7	79.25
Hs.600361	29.39	chr12	N/A	7	59.66
Hs.734070	29.38	chr18	N/A	2	46.48
C4orf50	29.38	chr4	4p16.2	3	42.88
Hs.112662	29.38	chr10	N/A	10	133.85
LIN52	29.38	chr14	14q24.3	14	111.46
Hs.662061	29.38	chr11	N/A	1	0.00
SBNO1	29.37	chr12	12q24.31	84	99.68
SOX10	29.37	chr22	22q13.1	44	68.02
Hs.542928	29.37	chr3	N/A	3	23.95
LOC100131320	29.37	chr2	2q21.1	7	72.90
Hs.444855	29.36	chr2	N/A	4	41.46
DUSP16	29.35	chr12	12p13	64	85.43
Hs.539193	29.35	chr12	N/A	3	59.87
SEMA7A	29.35	chr15	15q22.3-q23	33	161.14
Hs.544697	29.35	chr6	N/A	3	37.49
LOC642852	29.35	chr21	21q22.3	34	70.75
Hs.657338	29.34	chr3	N/A	1	0.00
EYA4	29.34	chr6	6q23	38	104.22
RWDD2A	29.34	chr6	6q14.2	30	88.04
C10orf88	29.34	chr10	10q26.13	29	89.85
Hs.545993	29.34	chrX	N/A	3	27.69
Hs.540718	29.33	chr17	N/A	3	39.89
MIR31HG	29.33	chr9	9p21.3	18	102.47
XPO5	29.32	chr6	6p21.1	32	101.14
C16orf86	29.32	chr16	16q22.1	33	72.29
Hs.146439	29.32	chr1	N/A	3	47.13
TMEM209	29.32	chr7	7q32.2	44	141.70
LOC100133669	29.32	chr8	8q24.3	1	0.00
PAPD5	29.31	chr16	16q12.1	55	95.67
Hs.405574	29.31	chr5	N/A	3	35.07
Hs.372983	29.30	chr1	N/A	3	18.16
PLA2R1	29.30	chr2	2q23-q24	57	278.42
RNF112	29.30	chr17	17p11.2	24	59.28
PRLH	29.30	chr2	2q37.3	21	94.44
Hs.700870	29.29	chr2	N/A	10	48.71
Hs.720471	29.29	chr2	N/A	1	0.00
EBF1	29.29	chr5	5q34	77	126.51
Hs.715159	29.29	chr22	N/A	7	51.14
PPM1E	29.29	chr17	17q22	52	185.30
CAMTA2	29.29	chr17	17p13.2	68	104.91
CCHCR1	29.28	chr6	6p21.3	40	58.72
FCHSD1	29.28	chr5	5q31.3	37	99.28
STK38	29.28	chr6	6p21	86	116.24
GPR37L1	29.28	chr1	1q32.1	23	72.49
Hs.623092	29.28	chrX	N/A	10	43.73
Hs.611841	29.27	chr16	N/A	3	6.15
ALDH1B1	29.26	chr9	9p11.1	67	63.80
UTP20	29.26	chr12	12q23	33	121.38
MS4A10	29.26	chr11	11q12.2	6	98.06
PRDM7	29.26	chr16	16q24.3	17	91.27
Hs.563340	29.26	chr6	N/A	3	74.39
Hs.625304	29.25	chr5	N/A	11	72.89
Hs.277835	29.25	chr7	N/A	3	62.57
Hs.677065	29.25	chr6	N/A	1	0.00
SAMHD1	29.25	chr20	20pter-q12	33	143.21

LOC100506123	29.25	chr2	2q11	14	112.20
DUSP18	29.24	chr22	22q12.2	44	207.97
ERVK13-1	29.24	chr16	16p13.3	14	81.50
LOC644090	29.24	chr7	7q36.1	36	139.14
MSS51	29.24	chr10	10q22.2	26	90.81
RBM33	29.24	chr7	7q36.3	68	105.60
DENND2A	29.24	chr7	7q34	62	115.00
Hs.660101	29.24	chr6	N/A	1	0.00
NDP	29.23	chrX	Xp11.4	30	147.65
ELAVL4	29.23	chr1	1p34	70	432.07
Hs.201339	29.23	chr2	N/A	1	0.00
Hs.714857	29.23	chr10	N/A	1	0.00
PDCD11	29.22	chr10	10q24.33	38	107.44
BMP7	29.22	chr20	20q13	84	72.34
SUSD1	29.22	chr9	9q31.3-q33.1	37	90.96
SLC47A1	29.22	chr17	17p11.2	38	98.18
Hs.637117	29.22	chr4	N/A	4	73.84
Hs.538855	29.22	chr11	N/A	3	19.75
WDR31	29.22	chr9	9q32	51	106.88
CCL8	29.22	chr17	17q11.2	23	125.62
CIB4	29.22	chr2	2p23.3	16	249.31
WWP2	29.21	chr16	16q22.1	84	99.68
Hs.672971	29.21	chr10	N/A	1	0.00
Hs.726857	29.21	chr14	N/A	1	0.00
RNFT1	29.20	chr17	17q23.1	47	83.61
Hs.566420	29.20	chr5	N/A	3	43.82
LRIT3	29.19	chr4	4q25	10	165.46
METTL10	29.19	chr10	10q26.13	36	67.43
PLD1	29.19	chr3	3q26	74	91.09
Hs.715132	29.19	chrX	N/A	9	63.64
SPATA24	29.19	chr5	5q31.2	43	124.44
Hs.657379	29.19	chr2	N/A	3	16.87
ZNF550	29.19	chr19	19q13.43	25	80.40
Hs.664803	29.18	chr7	N/A	6	55.02
QRSL1	29.18	chr6	6q21	65	85.47
Hs.583098	29.17	chr7	N/A	3	65.60
PML	29.17	chr15	15q22	154	128.01
TRAF3IP1	29.17	chr2	2q37.3	46	92.18
WDR35	29.17	chr2	2p24.1	43	87.29
Hs.559765	29.17	chr1	N/A	21	46.67
MEX3C	29.16	chr18	18q21.2	40	101.09
LOC149950	29.16	chr20	20q11.21	3	40.94
CLDN15	29.15	chr7	7q11.22	36	89.79
KRTAP4-12	29.15	chr17	17q12-q21	21	79.12
Hs.637533	29.14	chr14	N/A	3	36.37
XRCC4	29.14	chr5	5q14.2	53	122.27
Hs.663895	29.13	chr13	N/A	7	50.95
RCC1	29.13	chr1	1p36.1	70	115.94
Hs.20588	29.13	chr17	N/A	10	150.23
Hs.715225	29.12	chr12	N/A	3	17.35
Hs.597882	29.12	chr3	N/A	3	112.38
CELA2A	29.12	chr1	1p36.21	23	78.45
TMEM184A	29.12	chr7	7p22.3	18	133.43
SPATA1	29.11	chr1	1p22.3	27	112.84
C1orf132	29.11	chr1	1q32.2	24	57.96
FAM212A	29.10	chr3	3p21.31	26	87.49
CD247	29.10	chr1	1q24.2	33	104.32
PENK	29.09	chr8	8q23-q24	30	96.98
Hs.542372	29.09	chr20	N/A	3	36.70
USP20	29.09	chr9	9q34.11	33	73.94
LOC100507440	29.09	chr17	N/A	8	77.11
Hs.540710	29.09	chr17	N/A	3	4.93
SRCRB4D	29.09	chr7	7q11.23	28	59.82
DDHD1	29.07	chr14	14q21	79	166.25
LIPM	29.06	chr10	10q23.31	5	145.00
C1orf86	29.06	chr1	1p36.33	49	140.44

ST6GAL2	29.05	chr2	2q11.2-q12.1	35	462.56
Hs.46473	29.05	chr3	N/A	11	121.94
Hs.668335	29.05	chr22	N/A	7	51.45
SEC24D	29.05	chr4	4q26	57	156.63
SLC2A9	29.04	chr4	4p16.1	42	155.96
ZNF132	29.03	chr19	19q13.4	30	85.30
Hs.126895	29.03	chr11	N/A	1	0.00
SULF1	29.03	chr8	8q13.1	61	110.77
PVRL1	29.03	chr11	11q23.3	70	128.38
PALD1	29.02	chr10	10q22.1	19	60.22
MARVELD2	29.02	chr5	5q13.2	54	121.51
MYH8	29.02	chr17	17p13.1	42	258.72
PPM1D	29.02	chr17	17q23.2	38	77.03
Hs.594564	29.01	chr12	N/A	7	76.92
GRIN1	29.01	chr9	9q34.3	78	107.48
GPR162	29.00	chr12	12p13	43	153.13
Hs.658827	29.00	chr8	N/A	1	0.00
Hs.732108	29.00	chr6	N/A	7	82.98
Hs.661316	29.00	chr17	N/A	14	94.20
FCGR3B	29.00	chr1	1q23	30	78.82
TMEM61	29.00	chr1	1p32.3	43	195.96
Hs.550282	29.00	chr12	N/A	3	25.31
TAS2R9	29.00	chr12	12p13	21	88.62
RBM19	29.00	chr12	12q24.21	61	111.99
Hs.578794	28.99	chr16	N/A	3	14.40
Hs.658574	28.99	chr1	N/A	1	0.00
ICOSLG	28.99	chr21	21q22.3	65	117.93
FLJ16734	28.99	chr7	7q36.2	11	23.67
NFATC2IP	28.99	chr16	16p11.2	74	103.55
SLC25A22	28.98	chr11	11p15.5	35	96.99
TRAF1	28.97	chr9	9q33-q34	53	152.33
PIWIL4	28.97	chr11	11q21	30	181.09
NELFA	28.97	chr4	4p16.3	50	68.29
LINC00347	28.97	chr13	13q21.33	21	176.01
Hs.599568	28.97	chr15	N/A	7	62.65
NEGR1-IT1	28.96	chr1	1p31.1	1	0.00
LOC100506990	28.96	chr8	8p23.1	38	186.40
Hs.657682	28.96	chr2	N/A	8	89.73
WRN	28.95	chr8	8p12	128	68.14
FMN1	28.95	chr15	15q13.3	38	297.08
SCAF4	28.95	chr21	21q22.1	45	119.37
Hs.32333	28.95	chr1	N/A	17	113.82
Hs.581700	28.95	chr4	N/A	3	37.28
GPR21	28.95	chr9	9q33	23	64.25
Hs.601116	28.94	chr11	N/A	1	0.00
MANEAL	28.94	chr1	1p34.3	31	148.74
AMOTL1	28.94	chr11	11q14.3	69	197.86
FRMD6	28.94	chr14	14q22.1	46	111.19
Hs.664056	28.94	chr9	N/A	3	23.58
MAGOHB	28.94	chr12	12p13.2	56	87.93
Hs.156414	28.94	chr6	N/A	10	110.92
Hs.148649	28.94	chr7	N/A	11	243.74
Hs.658502	28.93	chr9	N/A	32	291.78
TOR2A	28.93	chr9	9q34.11	30	80.43
Hs.550239	28.93	chr1	N/A	3	41.99
PKNOX2	28.93	chr11	11q24.2	46	81.65
C16orf71	28.92	chr16	16p13.3	20	89.28
Hs.98563	28.92	chr2	N/A	3	13.74
OGG1	28.91	chr3	3p26.2	62	202.04
ATL2	28.91	chr2	2p22.3	36	103.53
KIAA0753	28.91	chr17	17p13.1	30	72.94
OPN3	28.91	chr1	1q43	42	71.09
SLC4A5	28.91	chr2	2p13	41	123.93
Hs.581176	28.91	chr3	N/A	3	46.34
Hs.545106	28.90	chr7	N/A	3	63.98
Hs.662383	28.90	chr17	N/A	7	56.29

TOE1	28.90	chr1	1p33	33	158.12
Hs.733000	28.90	chr15	N/A	14	58.62
C19orf59	28.89	chr19	19p13.2	23	38.44
SLC31A1	28.89	chr9	9q32	76	117.20
INTS6	28.89	chr13	13q14.3	74	110.02
Hs.444593	28.89	chr15	N/A	4	54.96
Hs.577839	28.89	chr13	N/A	3	14.71
CA11	28.88	chr19	19q13.3	30	104.90
C8orf47	28.88	chr8	8q22.2	23	47.76
Hs.670008	28.88	chr1	N/A	1	0.00
ZNF564	28.88	chr19	19p13.2	34	91.61
Hs.632001	28.88	chr6	N/A	3	41.81
SMURF2	28.87	chr17	17q22-q23	57	146.90
Hs.544960	28.87	chr7	N/A	3	38.36
Hs.303217	28.86	chr7	N/A	3	20.66
Hs.663705	28.86	chr3	N/A	1	0.00
POMT2	28.85	chr14	14q24	36	88.23
ZNF500	28.85	chr16	16p13.3	49	85.84
Hs.596960	28.85	chr12	N/A	7	87.95
FLJ26850	28.84	chr19	19q13.33	14	64.71
Hs.568832	28.84	chr10	N/A	3	7.34
TIMM8A	28.84	chrX	Xq22.1	41	67.43
Hs.673081	28.83	chr4	N/A	1	0.00
Hs.572883	28.83	chr22	N/A	3	12.54
MYRF	28.83	chr11	11q12-q13.1	43	115.70
Hs.605091	28.82	chr19	N/A	7	46.15
Hs.603206	28.82	chr9	N/A	2	27.59
XRCC6BP1	28.82	chr12	12q14.1	37	66.58
Hs.580331	28.82	chr2	N/A	3	49.08
Hs.656265	28.82	chr10	N/A	8	91.97
Hs.554483	28.81	chr1	N/A	3	31.90
Hs.737247	28.81	chr6	N/A	3	49.18
Hs.572425	28.81	chr17	N/A	3	21.90
ZNF761	28.81	chr19	19q13.42	36	79.51
Hs.677250	28.81	chr2	N/A	2	102.98
RSBN1L	28.80	chr7	7q11.23	34	90.03
Hs.543364	28.79	chr4	N/A	3	42.21
Hs.539419	28.79	chr12	N/A	3	70.56
SLC35A3	28.79	chr1	1p21	59	87.28
SULT2B1	28.79	chr19	19q13.3	36	92.55
Hs.502418	28.79	chr11	N/A	17	116.38
CDADC1	28.79	chr13	13q14.2	48	57.99
GMPPB	28.78	chr3	3p21.31	48	79.87
Hs.733569	28.78	chr1	N/A	1	0.00
ZIC2	28.78	chr13	13q32	59	173.19
ALX1	28.78	chr12	12q21.31	30	218.96
NOVA1	28.77	chr14	14q	58	227.43
Hs.643070	28.77	chr3	N/A	21	109.72
Hs.131041	28.77	chr19	N/A	4	56.09
Hs.201107	28.77	chr16	N/A	3	52.91
SATB2	28.77	chr2	2q33	40	211.02
Hs.98144	28.76	chr11	N/A	10	52.91
EXOC5	28.76	chr14	14q22.3	78	179.01
TRMT10A	28.76	chr4	4q23	35	160.81
RASGRP4	28.76	chr19	19q13.1	52	231.61
TAAR2	28.76	chr6	6q24	18	55.53
SMC6	28.75	chr2	2p24.2	131	43.35
Hs.555126	28.75	chr10	N/A	3	30.73
Hs.587424	28.75	chr7	N/A	1	0.00
IDI2	28.75	chr10	10p15.3	47	79.15
MYOD1	28.75	chr11	11p15.4	30	190.33
PSG4	28.74	chr19	19q13.2	45	148.57
Hs.655756	28.74	chr3	N/A	19	109.84
Hs.634898	28.74	chr6	N/A	7	109.73
SNX25	28.74	chr4	4q35.1	60	86.94
NMI	28.74	chr2	2q23	119	77.98

Hs.565411	28.74	chr2	N/A	3	74.60
ZCCHC8	28.73	chr12	12q24.31	41	81.31
Hs.580042	28.73	chr2	N/A	3	27.07
OSGIN2	28.73	chr8	8q21	72	99.38
IL27RA	28.73	chr19	19p13.11	47	85.69
Hs.539888	28.72	chr14	N/A	5	69.02
Hs.702470	28.72	chr1	N/A	13	87.07
HPX	28.72	chr11	11p15.5-p15.4	35	162.96
Hs.640524	28.72	chrX	N/A	3	16.42
CTNS	28.72	chr17	17p13	60	94.92
Hs.23729	28.71	chr1	N/A	15	61.90
NOVA2	28.71	chr19	19q13.3	35	111.27
ZNF697	28.71	chr1	1p12	30	75.53
GML	28.71	chr8	8q24.3	22	96.41
NXN	28.70	chr17	17p13.3	23	101.10
Hs.598937	28.70	chr17	N/A	7	64.87
KRT85	28.70	chr12	12q13	35	89.83
PAPLN	28.70	chr14	14q24.2	57	105.08
Hs.201341	28.70	chr9	N/A	3	18.72
RASAL1	28.69	chr12	12q23-q24	27	74.23
RAD51	28.69	chr15	15q15.1	39	125.99
Hs.658352	28.69	chr6	N/A	1	0.00
OR2A2	28.69	chr7	7q35	3	24.54
Hs.657409	28.68	chr9	N/A	30	168.31
NLRP1	28.68	chr17	17p13.2	71	104.28
Hs.654667	28.68	chr18	N/A	1	0.00
NHLH1	28.67	chr1	1q22	44	121.33
TRAPPC10	28.67	chr21	21q22.3	57	84.80
MICU3	28.67	chr8	8p22	44	78.92
DENND2C	28.67	chr1	1p13.2	47	113.71
Hs.661871	28.67	chr2	N/A	3	131.33
Hs.233165	28.67	chr14	N/A	3	20.56
Hs.661950	28.66	chr15	N/A	1	0.00
IL10	28.66	chr1	1q31-q32	48	223.41
C11orf84	28.66	chr11	11q13.1	26	76.75
CA13	28.66	chr8	8q21.2	42	154.37
MTA2	28.66	chr11	11q12-q13.1	21	71.28
LOC100506792	28.66	chr14	N/A	3	25.94
Hs.657045	28.66	chr9	N/A	19	219.85
SH3GL3	28.66	chr15	15q24	44	103.99
Hs.529514	28.65	chr3	N/A	14	56.02
Hs.32196	28.65	chr5	N/A	10	81.45
DHX58	28.65	chr17	17q21.2	28	72.97
Hs.542464	28.65	chr20	N/A	3	40.30
SIRT4	28.64	chr12	12q	33	70.23
INHBA	28.64	chr7	7p15-p13	49	129.29
Hs.593949	28.64	chr2	N/A	7	143.41
FAM25C	28.64	chr10	10q11.22	2	107.56
ZFP3	28.63	chr17	17p13.2	19	147.08
Hs.720412	28.63	chr6	N/A	8	22.85
KLHL35	28.63	chr11	11q13.4	54	147.57
GZMB	28.63	chr14	14q11.2	30	77.41
IPP	28.63	chr1	1p34-p32	28	56.40
PVRIG	28.63	chr7	7q22.1	28	119.68
Hs.659268	28.63	chr14	N/A	8	63.57
C4orf47	28.63	chr4	4q35.1	7	174.28
ZNF491	28.63	chr19	19p13.2	22	69.19
BTNL2	28.62	chr6	6p21.3	21	115.64
Hs.132670	28.62	chr10	N/A	5	37.56
Hs.493767	28.62	chr9	N/A	3	17.26
CBFA2T3	28.62	chr16	16q24	29	78.26
SERPINB9	28.61	chr6	6p25	66	97.48
Hs.659379	28.61	chr17	N/A	8	67.72
Hs.561747	28.61	chr7	N/A	7	75.10
Hs.646171	28.61	chr8	N/A	8	69.25
RBBP8NL	28.61	chr20	20q13.33	23	192.04

Hs.541304	28.60	chr19	N/A	3	28.06
LAMC3	28.60	chr9	9q31-q34	38	97.28
Hs.596112	28.60	chr16	N/A	24	213.88
ZNF177	28.59	chr19	19p13.2	51	84.51
LGALS9C	28.59	chr17	17p11.2	15	125.35
Hs.722290	28.59	chr11	N/A	8	19.07
CEP104	28.59	chr1	1p36.32	48	123.45
ERVH-3	28.59	chr6	6q12	20	90.49
MGC16275	28.59	chr17	17q25.1	12	42.53
KCTD19	28.58	chr16	16q22.1	20	270.27
Hs.224854	28.58	chr12	N/A	3	49.44
MST1	28.58	chr3	3p21	66	96.76
GNPNAT1	28.58	chr14	14q22.1	46	108.83
LOC100129917	28.57	chr4	4p16.3	11	225.96
LOC100131180	28.57	chr9	9p21.1	1	0.00
EGR4	28.57	chr2	2p13	43	196.02
ARHGAP22	28.57	chr10	10q11.22	35	71.36
SCRT2	28.56	chr20	20p13	18	55.34
KIF21B	28.56	chr1	1q32.1	42	118.66
Hs.661286	28.55	chr19	N/A	1	0.00
Hs.370611	28.55	chr5	N/A	15	49.06
Hs.597053	28.55	chr5	N/A	7	68.75
Hs.499441	28.55	chr10	N/A	6	72.60
Hs.545710	28.55	chr9	N/A	3	46.13
Hs.258301	28.55	chr8	N/A	3	66.66
Hs.656395	28.54	chr3	N/A	12	70.64
QPCT	28.54	chr2	2p22.2	43	77.82
LOC100506532	28.54	chr9	N/A	3	50.50
OR4C15	28.54	chr11	11q11	16	65.10
SEZ6	28.54	chr17	17q11.2	39	194.40
ZNF791	28.53	chr19	19p13.2	35	88.44
Hs.583623	28.52	chr8	N/A	3	43.46
Hs.543366	28.52	chr4	N/A	3	45.92
Hs.674379	28.52	chrX	N/A	3	16.22
LRCH1	28.52	chr13	13q14.11	56	116.84
ZNF232	28.52	chr17	17p13.2	31	71.27
PIK3CD	28.51	chr1	1p36.2	78	118.63
CDKL3	28.51	chr5	5q31	39	196.05
Hs.385720	28.51	chr1	N/A	4	30.38
TYW1B	28.51	chr7	7q11.23	2	13.18
Hs.301281	28.51	chr1	N/A	12	233.28
LOC100130275	28.51	chr6	6p24.3	9	49.30
GREM1	28.50	chr15	15q13.3	61	165.57
OR52E4	28.50	chr11	11p15.4	6	84.05
LOC393078	28.50	chr7	7q36.3	10	47.56
CRH	28.50	chr8	8q13	35	215.79
Hs.42419	28.50	chr3	N/A	11	84.22
GPR6	28.50	chr6	6q21	24	129.72
Hs.541600	28.49	chr2	N/A	3	51.15
Hs.99785	28.49	chr9	N/A	21	84.37
ZNF516	28.49	chr18	18q23	80	165.59
RPA4	28.49	chrX	Xq21.33	21	57.84
Hs.571610	28.48	chr9	N/A	5	68.03
LOC285095	28.48	chr2	2q37.3	9	131.89
Hs.621822	28.48	chr12	N/A	3	11.46
Hs.744930	28.48	chr20	N/A	1	0.00
Hs.544914	28.48	chr7	N/A	3	24.42
Hs.563314	28.48	chr5	N/A	3	17.87
Hs.664746	28.47	chr1	N/A	1	0.00
Hs.233037	28.47	chr5	N/A	3	44.08
Hs.587819	28.47	chr15	N/A	11	48.03
Hs.658522	28.47	chr14	N/A	7	51.41
LCN6	28.47	chr9	9q34.3	22	102.80
VAC14	28.47	chr16	16q22.1	73	149.41
Hs.552150	28.46	chr8	N/A	10	80.03
PGPEP1L	28.46	chr15	15q26.3	10	37.18

SPATA13	28.46	chr13	13q12.12	37	91.93
Hs.618436	28.46	chr3	N/A	3	46.06
Hs.543382	28.46	chr4	N/A	3	28.97
Hs.666235	28.45	chr2	N/A	14	120.00
PTCHD4	28.45	chr6	6p12.3	14	116.37
RAB33B	28.45	chr4	4q28	31	119.96
TMEM260	28.44	chr14	14q22.3	53	88.45
ZNF738	28.44	chr19	19p12	22	69.39
GNA14	28.44	chr9	9q21	33	131.66
ZBTB14	28.44	chr18	18pter-p11.21	48	75.91
Hs.245092	28.43	chr16	N/A	1	0.00
LRRC34	28.43	chr3	3q26.2	25	219.09
Hs.723295	28.43	chr17	N/A	7	52.16
ATG2B	28.43	chr14	14q32.2	50	94.98
Hs.210944	28.43	chr7	N/A	7	56.52
Hs.527758	28.43	chr11	N/A	3	16.34
DEFB128	28.43	chr20	20p13	3	35.23
Hs.583630	28.42	chr8	N/A	3	54.00
Hs.570727	28.42	chr4	N/A	3	11.57
Hs.583889	28.42	chr8	N/A	3	34.12
Hs.146013	28.42	chr11	N/A	17	128.06
C3orf20	28.42	chr3	3p25.1	19	131.42
PPBP	28.42	chr4	4q12-q13	35	91.36
RIIAD1	28.42	chr1	1q21.3	8	92.59
WDR53	28.41	chr3	3q29	26	52.12
TUBD1	28.41	chr17	17q23.1	34	119.93
OR6T1	28.40	chr11	11q24.1	5	113.99
FAM91A1	28.40	chr8	8q24.13	57	136.41
Hs.561591	28.39	chr6	N/A	3	25.11
TIGD7	28.39	chr16	16p13.3	20	42.70
FLJ31356	28.39	chr2	2p23.3	11	243.12
Hs.705617	28.39	chr10	N/A	10	25.20
SIGLEC6	28.38	chr19	19q13.3	53	102.73
Hs.544736	28.38	chr6	N/A	3	10.04
USP6	28.38	chr17	17p13	69	82.27
Hs.129428	28.37	chr2	N/A	3	28.03
USP37	28.37	chr2	2q35	38	69.84
SSC5D	28.37	chr19	19q13.42	17	74.24
ZBTB3	28.37	chr11	11q12.3	22	87.74
HSPA1L	28.36	chr6	6p21.3	41	91.05
Hs.732693	28.36	chr10	N/A	3	113.25
ARL17B	28.36	chr17	17q21.31	54	122.98
CYP17A1-AS1	28.35	chr10	10q24.32	7	42.43
Hs.668046	28.35	chr15	N/A	2	3.83
LOC146513	28.35	chr16	16q24.1	4	60.65
ZMAT5	28.34	chr22	22cen-q12.3	34	87.79
Hs.663241	28.34	chr7	N/A	8	94.99
Hs.583213	28.33	chr7	N/A	3	36.75
ITIH6	28.33	chrX	Xp11.22-p11.21	21	164.18
Hs.655955	28.32	chr17	N/A	11	73.08
Hs.719383	28.32	chr18	N/A	8	82.06
CYP17A1	28.32	chr10	10q24.3	26	72.41
MICAL3	28.31	chr22	22q11.21	57	108.40
Hs.331210	28.31	chr18	N/A	4	62.17
Hs.736759	28.31	chr5	N/A	3	48.17
Hs.610309	28.31	chr2	N/A	3	28.37
PTPN9	28.30	chr15	15q24.2	67	102.87
LOC100652768	28.30	chr11	N/A	8	61.36
CHD3	28.30	chr17	17p13.1	43	126.01
Hs.545986	28.30	chrX	N/A	3	41.12
ATP7A	28.30	chrX	Xq21.1	42	65.34
HIST1H3G	28.29	chr6	6p22.1	29	79.59
Hs.659221	28.29	chr8	N/A	5	63.69
Hs.538716	28.29	chr11	N/A	3	31.59
DENND4A	28.29	chr15	15q22.31	82	231.63
Hs.656773	28.29	chr4	N/A	8	153.24

Hs.128002	28.29	chr17	N/A	14	55.37
Hs.547239	28.29	chr1	N/A	3	65.08
KCNS3	28.28	chr2	2p24	33	96.85
LOC100505710	28.28	chr3	N/A	1	0.00
Hs.127935	28.28	chr22	N/A	5	60.82
AMN1	28.27	chr12	12p11.21	12	51.16
CARD8	28.27	chr19	19q13.33	74	119.27
Hs.659116	28.25	chr5	N/A	7	107.31
P2RY11	28.25	chr19	19p13.2	70	128.52
NPTXR	28.25	chr22	22q13.1	35	72.22
Hs.597523	28.25	chr17	N/A	21	97.63
CTNNA2	28.25	chr2	2p12-p11.1	56	236.63
ZNF329	28.25	chr19	19q13.43	26	121.25
ZFP90	28.24	chr16	16q22.1	51	105.03
LONRF1	28.24	chr8	8p23.1	67	152.13
GPR157	28.24	chr1	1p36.23	29	70.98
LOC100506457	28.24	chr2	N/A	1	0.00
Hs.662056	28.24	chr20	N/A	1	0.00
CELA3A	28.23	chr1	1p36.12	31	102.16
Hs.521268	28.23	chr7	N/A	3	42.73
RANBP10	28.23	chr16	16q22.1	49	108.53
DACT1	28.23	chr14	14q23.1	44	133.92
Hs.711594	28.22	chr17	N/A	5	75.69
Hs.636574	28.22	chr20	N/A	1	0.00
LINC00330	28.22	chr13	13q14.11	1	0.00
Hs.667644	28.21	chr12	N/A	7	29.86
C2orf68	28.21	chr2	2p11.2	37	98.32
SLC22A4	28.20	chr5	5q31.1	28	68.00
CMKLR1	28.20	chr12	12q24.1	66	97.59
Hs.130572	28.20	chr21	N/A	10	110.80
Hs.652616	28.20	chr3	N/A	1	0.00
GYPE	28.20	chr4	4q31.1	37	115.27
TBC1D10C	28.20	chr11	11q13.2	19	150.36
Hs.573763	28.19	chr1	N/A	3	20.56
TANGO6	28.19	chr16	16q22.1	25	195.07
PRX	28.19	chr19	19q13.2	42	100.63
Hs.636836	28.19	chr2	N/A	2	121.47
ROBO3	28.18	chr11	11q24.2	50	62.52
S100P	28.18	chr4	4p16	45	86.86
Hs.191591	28.18	chr9	N/A	14	33.59
PPWD1	28.18	chr5	5q12.3	30	70.66
LOC644794	28.18	chr7	7q11.21	1	0.00
Hs.661247	28.18	chr14	N/A	7	146.59
Hs.675410	28.18	chr14	N/A	20	104.99
KRT31	28.18	chr17	17q12-q21	27	82.49
Hs.650274	28.17	chr7	N/A	3	48.13
Hs.539444	28.17	chr12	N/A	9	21.78
Hs.732791	28.17	chr19	N/A	5	54.65
PSKH2	28.17	chr8	8q21.3	19	158.98
MPZ	28.16	chr1	1q23.3	30	111.84
FAM46C	28.16	chr1	1p12	37	142.56
C7orf25	28.16	chr7	7p14.1	36	72.72
ADTRP	28.16	chr6	6p24.1	31	235.31
Hs.545977	28.16	chrX	N/A	3	31.94
Hs.667308	28.16	chr5	N/A	7	80.18
NYNRIN	28.16	chr14	14q12	22	71.96
CEP72	28.15	chr5	5p15.33	21	60.86
Hs.657987	28.15	chr5	N/A	1	0.00
Hs.732794	28.15	chr9	N/A	3	111.46
Hs.667448	28.15	chr1	N/A	3	85.54
PRSS3	28.14	chr9	9p11.2	41	70.88
RAB7L1	28.14	chr1	1q32	46	70.00
ZNF586	28.13	chr19	19q13.43	48	143.33
THUMP2	28.13	chr2	2p22-p21	21	41.72
KLRG1	28.13	chr12	12p13.31	43	88.75
NXF2B	28.13	chrX	Xq22.1	13	103.76

Hs.542188	28.13	chr2	N/A	3	29.51
TSKS	28.13	chr19	19q13.3	26	93.48
Hs.619090	28.12	chr15	N/A	12	70.88
MPP5	28.12	chr14	14q23.3	39	99.81
PAFAH2	28.12	chr1	1p36	42	100.16
PRSS22	28.12	chr16	16p13.3	23	108.58
Hs.654267	28.12	chr5	N/A	15	72.21
ALOXE3	28.12	chr17	17p13.1	26	112.93
S100A14	28.11	chr1	1q21.3	21	81.78
Hs.567518	28.11	chr16	N/A	8	52.96
Hs.660379	28.11	chr2	N/A	1	0.00
CGB1	28.10	chr19	19q13.32	16	275.97
Hs.12489	28.09	chr17	N/A	7	106.17
CRYBG3	28.09	chr3	3q11.2	48	115.98
Hs.563758	28.09	chr1	N/A	3	21.41
FAM150B	28.09	chr2	2p25.3	21	145.31
SLC25A13	28.09	chr7	7q21.3	58	112.22
Hs.561950	28.09	chr9	N/A	3	35.09
PIBF1	28.08	chr13	13q22.1	47	89.47
Hs.659438	28.08	chr3	N/A	7	87.42
Hs.130853	28.08	chr6	N/A	33	81.92
Hs.592921	28.08	chr18	N/A	8	111.38
Hs.617073	28.08	chr2	N/A	3	4.47
Hs.436369	28.07	chr11	N/A	3	26.78
Hs.620639	28.07	chr9	N/A	2	128.23
PTPRS	28.07	chr19	19p13.3	64	170.33
Hs.610668	28.07	chr2	N/A	3	43.38
OR1S1	28.07	chr11	11q12.1	11	134.33
DKKL1	28.07	chr19	19q13.33	21	164.33
Hs.644466	28.06	chr7	N/A	12	61.13
Hs.543306	28.06	chr3	N/A	3	86.34
SLX1A	28.06	chr16	16p11.2	16	80.65
IRX6	28.06	chr16	16q12.2	57	183.54
ADAD2	28.06	chr16	16q24.1	26	150.32
Hs.636944	28.05	chr6	N/A	3	52.21
CSTF2T	28.05	chr10	10q11	60	107.44
Hs.652619	28.05	chr3	N/A	10	84.78
CELSR3	28.05	chr3	3p21.31	35	124.21
Hs.541367	28.05	chr19	N/A	3	39.04
Hs.565182	28.05	chr18	N/A	3	32.39
Hs.659227	28.04	chr22	N/A	7	76.68
Hs.656767	28.04	chr3	N/A	15	113.94
Hs.659734	28.04	chr15	N/A	7	47.64
NGF	28.04	chr1	1p13.1	39	115.76
Hs.680999	28.03	chr6	N/A	3	54.14
CDK6	28.03	chr7	7q21-q22	94	94.74
Hs.544721	28.03	chr6	N/A	3	4.32
CACNG3	28.03	chr16	16p12.1	23	112.03
TMPRSS11D	28.03	chr4	4q13.2	25	236.58
Hs.611178	28.02	chr7	N/A	1	0.00
FRMD8	28.02	chr11	11q13	51	106.22
Hs.660672	28.02	chr16	N/A	1	0.00
MED26	28.02	chr19	19p13.11	53	95.26
CASP6	28.01	chr4	4q25	41	60.53
NUTM1	28.01	chr15	15q14	24	230.94
COX6B2	28.01	chr19	19q13.42	33	100.12
CH25H	28.01	chr10	10q23	29	81.68
STK4	28.01	chr20	20q11.2-q13.2	103	137.46
FAIM	28.00	chr3	3q22.3	40	121.42
Hs.543211	28.00	chr3	N/A	3	50.86
SGPL1	28.00	chr10	10q21	73	99.71
Hs.586945	28.00	chr17	N/A	8	41.54
Hs.596939	27.99	chr6	N/A	7	80.48
TXLNG	27.98	chrX	Xp22.2	40	132.72
Hs.661149	27.98	chr8	N/A	4	14.38
CLIP3	27.98	chr19	19q13.12	48	160.88

Hs.666919	27.98	chr19	N/A	6	92.79
KCNH7	27.98	chr2	2q24.2	40	162.53
RABIF	27.97	chr1	1q32.1	65	105.33
Hs.250156	27.97	chr6	N/A	3	23.86
EPYC	27.97	chr12	12q21	35	132.51
RASD2	27.97	chr22	22q13.1	27	126.39
DHH	27.97	chr12	12q13.1	21	76.93
GAS2L3	27.97	chr12	12q23.1	60	364.73
FLJ35024	27.97	chr9	9p24.2	35	68.57
Hs.659910	27.97	chr10	N/A	1	0.00
ZNF584	27.96	chr19	19q13.43	17	48.41
CLCA2	27.96	chr1	1p22.3	44	190.90
SPN	27.95	chr16	16p11.2	67	81.32
Hs.536417	27.95	chr14	N/A	3	22.73
Hs.136443	27.95	chr10	N/A	10	35.58
HCG4	27.94	chr6	6p21.3	33	136.75
ZNF823	27.94	chr19	19p13.2	23	76.03
Hs.543171	27.94	chr3	N/A	3	70.45
EYA3	27.94	chr1	1p36	73	136.19
GTF2A1	27.93	chr14	14q31.1	64	177.90
Hs.733301	27.93	chr17	N/A	1	0.00
Hs.664843	27.93	chr1	N/A	8	97.87
Hs.621746	27.93	chr1	N/A	8	19.18
INTS2	27.93	chr17	17q23.2	19	92.89
BCL2A1	27.93	chr15	15q24.3	45	85.04
HOXA-AS4	27.93	chr7	N/A	8	90.44
JPH4	27.92	chr14	14q11	11	229.68
CHRN2	27.92	chr1	1q21.3	26	84.65
Hs.560509	27.92	chr17	N/A	11	91.28
GLDN	27.92	chr15	15q21.2	42	108.71
Hs.741628	27.92	chr20	N/A	16	13.09
Hs.545454	27.92	chr8	N/A	3	37.94
Hs.544679	27.91	chr6	N/A	3	62.74
C21orf62	27.91	chr21	21q22.11	34	128.89
QSOX2	27.91	chr9	9q34.3	35	92.82
KRT14	27.91	chr17	17q12-q21	43	101.28
RASL10B	27.91	chr17	17q12	25	64.73
ZNF251	27.91	chr8	8q24.3	40	122.56
SPACA3	27.90	chr17	17q11.2	22	71.07
Hs.726339	27.90	chr4	N/A	8	114.00
LIMD1	27.90	chr3	3p21.3	36	139.86
CWF19L2	27.89	chr11	11q22.3	32	61.59
Hs.54416	27.89	chr14	N/A	1	0.00
Hs.715011	27.89	chr1	N/A	7	52.79
Hs.604255	27.89	chr12	N/A	1	0.00
HIST1H2AG	27.89	chr6	6p22.1	40	149.47
Hs.656676	27.88	chr1	N/A	1	0.00
TMEM254	27.88	chr10	10q22.3	36	67.19
Hs.679008	27.88	chr12	N/A	3	84.54
Hs.623853	27.88	chr22	N/A	3	46.99
AMER1	27.88	chrX	Xq11.2	19	133.03
Hs.665975	27.88	chr14	N/A	14	89.31
GPR161	27.88	chr1	1q24.2	94	199.58
Hs.561960	27.87	chr9	N/A	3	20.45
SZT2	27.87	chr1	1p34.2	73	72.10
SIPA1L1	27.86	chr14	14q24.2	75	93.38
Hs.726384	27.86	chr2	N/A	1	0.00
Hs.544017	27.86	chr5	N/A	3	43.03
GNA15	27.86	chr19	19p13.3	30	73.35
IL17F	27.86	chr6	6p12	19	208.86
HIPK3	27.85	chr11	11p13	59	91.40
GNB1L	27.84	chr22	22q11.2	57	92.77
ZNF813	27.84	chr19	19q13.42	25	51.43
CCDC88B	27.84	chr11	11q12.3	46	147.05
Hs.480603	27.83	chr4	N/A	7	45.28
Hs.670926	27.83	chr16	N/A	2	31.56

HSPA6	27.83	chr1	1q23	33	63.42
MRGPRG-AS1	27.83	chr11	11p15.4	19	52.95
ATP6AP1L	27.83	chr5	5q14.2	38	91.86
LOC100506454	27.82	chr22	N/A	12	78.34
CIDEB	27.82	chr14	14q12	36	91.12
LOC729680	27.82	chr13	13q12.11	2	107.39
Hs.609451	27.80	chr22	N/A	3	23.53
CTC1	27.80	chr17	17p13.1	36	86.57
Hs.519124	27.80	chr4	N/A	3	47.41
Hs.563935	27.79	chr1	N/A	3	19.10
Hs.604377	27.79	chr7	N/A	8	184.72
Hs.669187	27.79	chr14	N/A	1	0.00
Hs.666259	27.79	chr5	N/A	14	240.95
DIO3	27.79	chr14	14q32	30	85.42
KRT15	27.79	chr17	17q21.2	30	79.46
Hs.596929	27.78	chr3	N/A	7	78.20
NUDT18	27.78	chr8	8p21.3	18	78.53
ASPG	27.78	chr14	14q32.33	11	125.41
CDC45	27.78	chr22	22q11.21	28	164.83
RMND1	27.78	chr6	6q25.1	32	103.23
WDR24	27.77	chr16	16p13.3	26	57.13
BPIFB2	27.77	chr20	20q11.21	19	69.90
CLEC4M	27.76	chr19	19p13	55	159.82
CYTH4	27.75	chr22	22q12.3-q13.1	47	102.79
TAC3	27.75	chr12	12q13-q21	34	156.40
FOXK2	27.75	chr17	17q25	82	91.87
FOXD3	27.75	chr1	1p31.3	30	105.11
FAM138B	27.74	chr2	2q14.1	10	39.43
FKBP1B	27.74	chr2	2p23.3	28	65.41
Hs.713771	27.73	chr1	N/A	3	36.64
Hs.699375	27.73	chr3	N/A	8	59.83
DPY19L1	27.73	chr7	7p14.3-p14.2	90	160.15
FOXF2	27.73	chr6	6p25.3	35	136.22
PCDH12	27.73	chr5	5q31	21	76.18
Hs.562636	27.72	chr16	N/A	3	43.43
DYNC2LI1	27.72	chr2	2p25.1-p24.1	64	93.08
SEC24A	27.72	chr5	5q31.1	69	93.08
Hs.97337	27.72	chr3	N/A	3	27.04
Hs.657999	27.72	chr21	N/A	3	67.19
LOC100132099	27.71	chr13	13q32.3	10	46.53
Hs.559124	27.71	chr1	N/A	4	54.85
OR51D1	27.71	chr11	11p15.4	18	123.50
Hs.595081	27.71	chr5	N/A	10	50.40
ZNF572	27.71	chr8	8q24.13	16	142.16
TRIM49	27.70	chr11	11p11.12-q12	21	70.37
Hs.662262	27.70	chr8	N/A	3	63.38
IGHA1	27.70	chr14	14q32.33	43	125.07
Hs.602542	27.70	chr6	N/A	7	142.24
LOC100506216	27.70	chr2	N/A	21	226.81
Hs.632024	27.70	chr7	N/A	5	81.83
LBP	27.70	chr20	20q11.23	40	117.28
Hs.97579	27.70	chr17	N/A	18	61.13
RASSF8	27.70	chr12	12p12.3	78	115.86
PIPOX	27.69	chr17	17q11.2	28	87.88
HAPLN1	27.69	chr5	5q14.3	50	157.24
Hs.544902	27.68	chr7	N/A	3	68.18
CNKSR1	27.68	chr1	1p36.11	30	98.27
Hs.721160	27.68	chr1	N/A	1	0.00
F2RL1	27.68	chr5	5q13	47	127.06
Hs.18849	27.67	chr16	N/A	11	126.99
RTKL1	27.67	chr20	20q13.3	56	125.47
OCSTAMP	27.67	chr20	20q13.12	5	121.75
Hs.444858	27.67	chr17	N/A	15	63.51
TDRD6	27.66	chr6	6p12.3	28	109.36
SLC37A1	27.66	chr21	21q22.3	29	87.57
KRT86	27.66	chr12	12q13	33	82.05

TMEM217	27.66	chr6	6p21.2	37	125.60
PDGFC	27.66	chr4	4q32	42	108.81
OSBPL11	27.65	chr3	3q21	64	111.28
NCOA2	27.65	chr8	8q13.3	49	106.37
NTRK3	27.64	chr15	15q25	70	84.38
ZNF607	27.64	chr19	19q13.1	26	80.02
ZNF587	27.64	chr19	19q13.43	56	75.86
SCRN3	27.64	chr2	2q31.1	42	111.77
MTMR10	27.64	chr15	15q13.3	39	126.36
ARHGEF35	27.64	chr7	7q35	20	141.03
Hs.671083	27.63	chr14	N/A	1	0.00
Hs.654777	27.63	chr12	N/A	10	26.82
Hs.541103	27.63	chr18	N/A	3	12.18
NSMF	27.63	chr9	9q34.3	46	82.47
SPAG17	27.63	chr1	1p12	50	327.19
HERC4	27.63	chr10	10q21.3	91	111.30
Hs.671812	27.62	chr10	N/A	5	66.35
Hs.112751	27.62	chr19	N/A	3	126.84
CSHL1	27.62	chr17	17q24.2	60	135.40
SYT15	27.62	chr10	10q11.1	74	136.54
RAB33A	27.62	chrX	Xq26.1	32	57.41
POLL	27.62	chr10	10q23	28	66.43
OR51E1	27.61	chr11	11p15.4	19	65.45
SLC29A4	27.61	chr7	7p22.1	27	117.52
METTL2B	27.61	chr7	7q32.1	57	120.69
ZNF264	27.60	chr19	19q13.4	32	83.38
Hs.601057	27.60	chr8	N/A	8	71.41
Hs.436493	27.60	chr3	N/A	11	48.83
Hs.612925	27.59	chr16	N/A	1	0.00
DNALI1	27.59	chr1	1p35.1	37	80.72
LOC100128682	27.59	chr19	19q13.12	2	117.97
C7orf33	27.59	chr7	7q36.1	19	245.61
LOX	27.58	chr5	5q23.2	158	177.56
Hs.658115	27.58	chr1	N/A	12	92.54
ANKRD6	27.58	chr6	6q14.2-q16.1	52	113.40
Hs.405387	27.58	chr8	N/A	3	36.94
Hs.659543	27.58	chr3	N/A	1	0.00
Hs.566540	27.58	chr6	N/A	3	60.35
Hs.539508	27.57	chr12	N/A	5	78.84
Hs.563176	27.57	chr3	N/A	1	0.00
FIGNL2	27.57	chr12	12q13.13	5	83.88
Hs.632984	27.57	chr16	N/A	7	62.53
UCN3	27.57	chr10	10p15.1	16	69.74
KRT1	27.56	chr12	12q13.13	28	66.88
Hs.659628	27.56	chr6	N/A	1	0.00
Hs.560731	27.56	chr4	N/A	1	0.00
Hs.137466	27.55	chr14	N/A	4	44.10
Hs.542072	27.55	chr2	N/A	3	22.80
TMEM57	27.55	chr1	1p36.11	34	90.00
GOT1L1	27.55	chr8	8p11.23	29	324.75
Hs.732087	27.55	chr11	N/A	14	65.82
GPATCH1	27.55	chr19	19q13.11	35	94.47
Hs.657733	27.55	chr11	N/A	1	0.00
Hs.543259	27.55	chr3	N/A	3	64.84
CLDN10	27.54	chr13	13q31-q34	43	107.99
TMEM117	27.54	chr12	12q12	33	50.70
CECR6	27.53	chr22	N/A	26	77.43
Hs.585620	27.53	chr13	N/A	1	0.00
ADCK4	27.53	chr19	19q13.2	53	98.20
ABP1	27.52	chr7	7q36.1	30	76.58
TMEM30B	27.52	chr14	14q23.1	58	82.63
Hs.62953	27.51	chr8	N/A	11	99.92
Hs.127737	27.51	chr2	N/A	14	63.16
STAG1	27.51	chr3	3q22.3	46	102.07
GPX2	27.51	chr14	14q24.1	31	98.05
PPIL2	27.51	chr22	22q11.21	92	102.78

PRKCA	27.51	chr17	17q22-q23.2	105	185.22
DDI2	27.50	chr1	1p36.21	20	59.81
CLDN9	27.50	chr16	16p13.3	52	114.42
SREK1IP1	27.49	chr5	5q12.3	85	104.07
Hs.552878	27.49	chr11	N/A	3	18.97
BET1	27.49	chr7	7q21.1-q22	35	87.62
MARK4	27.48	chr19	19q13.3	60	103.96
CCL3L3	27.48	chr17	17q21.1	30	94.27
ZSCAN31	27.47	chr6	6p22.3-p22.1	41	79.99
IQSEC3	27.47	chr12	12p13.33	52	160.16
AP5B1	27.47	chr11	11q13.1	46	147.30
Hs.733078	27.47	chr2	N/A	11	54.46
PTK7	27.47	chr6	6p21.1-p12.2	42	103.79
OR52B2	27.47	chr11	11p15.4	18	174.51
PLAG1	27.46	chr8	8q12	47	79.05
Hs.713644	27.46	chr9	N/A	10	47.86
FLJ23867	27.46	chr1	1q25.2	24	69.10
DSC1	27.46	chr18	18q12.1	33	164.85
Hs.659799	27.46	chr16	N/A	18	78.12
KCNJ5	27.46	chr11	11q24	51	97.42
LACC1	27.46	chr13	13q14.11	42	97.71
Hs.543068	27.46	chr3	N/A	5	71.72
GPR22	27.46	chr7	7q22-q31.1	22	96.75
LOC100288306	27.45	chr5	5q23.2	3	36.00
OR1Q1	27.45	chr9	9q33.2	20	150.24
Hs.594110	27.45	chr11	N/A	7	140.80
Hs.660733	27.44	chr1	N/A	5	87.55
NANOS3	27.44	chr19	19p13.13	18	75.12
SLC35F6	27.44	chr2	2p23.3	59	91.56
Hs.572345	27.43	chr15	N/A	8	158.17
Hs.660763	27.43	chr10	N/A	8	61.18
CKMT1B	27.42	chr15	15q15	65	137.68
TASP1	27.42	chr20	20p12.1	29	58.48
Hs.528243	27.42	chr7	N/A	3	60.65
TNAP	27.42	chr13	N/A	11	41.76
Hs.566932	27.41	chr8	N/A	3	38.66
DNAL1	27.41	chr14	14q24.3	38	102.79
Hs.540821	27.41	chr17	N/A	3	71.07
CPM	27.40	chr12	12q14.3	79	119.29
Hs.658346	27.40	chr9	N/A	7	82.43
SMCHD1	27.40	chr18	18p11.32	78	110.64
LIG1	27.39	chr19	19q13.2-q13.3	32	64.26
ITSN1	27.39	chr21	21q22.1-q22.2	82	156.19
Hs.633161	27.39	chr5	N/A	7	58.04
OSGEPL1	27.38	chr2	2q32.2	49	88.83
LYPD6	27.38	chr2	2q23.2	40	265.19
FOXB1	27.38	chr15	15q22	24	79.72
Hs.516729	27.38	chr2	N/A	3	39.39
Hs.541737	27.38	chr2	N/A	3	12.46
GINS3	27.38	chr16	16q21	43	114.92
Hs.538295	27.38	chr10	N/A	3	24.88
AMPD2	27.37	chr1	1p13.3	34	87.84
FXVD2	27.37	chr11	11q23	57	75.01
Hs.122265	27.37	chr17	N/A	7	55.57
UTP15	27.37	chr5	5q13.2	45	95.51
WDR93	27.37	chr15	15q26.1	24	92.31
IL21	27.36	chr4	4q26-q27	21	192.33
C14orf1	27.36	chr14	14q24.3	57	93.15
CUL7	27.36	chr6	6p21.1	44	94.92
ZCCHC2	27.36	chr18	18q21.33	52	111.82
TRIB3	27.36	chr20	20p13-p12.2	32	90.84
CES5A	27.36	chr16	16q12.2	31	174.24
Hs.258947	27.36	chr12	N/A	3	49.18
GPC3	27.35	chrX	Xq26.1	69	141.50
Hs.658719	27.35	chr19	N/A	8	85.24
Hs.437657	27.35	chr18	N/A	3	46.38

LOC100505711	27.35	chr6	N/A	3	119.26
Hs.540405	27.35	chr15	N/A	8	88.12
Hs.721186	27.35	chr17	N/A	14	186.39
HPS1	27.35	chr10	10q23.1-q23.3	81	85.36
HTR1E	27.34	chr6	6q14-q15	33	90.01
Hs.688164	27.34	chr22	N/A	3	12.25
SRD5A3	27.34	chr4	4q12	38	83.36
DENND1B	27.34	chr1	1q31.3	86	121.78
GPR68	27.34	chr14	14q31	48	108.14
FAM71E1	27.33	chr19	19q13.33	30	99.08
Hs.655755	27.33	chr11	N/A	21	188.76
Hs.633723	27.33	chr7	N/A	7	54.40
MNDA	27.32	chr1	1q22	37	68.62
BBS12	27.32	chr4	4q27	33	67.26
CEP85L	27.32	chr6	6q22	60	152.28
SEC22A	27.31	chr3	3q21.1	56	99.11
SLC22A10	27.31	chr11	11q12.3	31	203.26
DOCK11	27.31	chrX	Xq24	46	109.37
Hs.657235	27.31	chr3	N/A	8	75.23
RNF39	27.31	chr6	6p21.3	31	90.70
CORT	27.31	chr1	1p36.22	50	59.70
RSPH6A	27.30	chr19	19q13.3	30	109.20
WDR4	27.30	chr21	21q22.3	50	122.43
Hs.659485	27.30	chr12	N/A	7	135.06
Hs.531632	27.30	chr19	N/A	11	31.91
MINPP1	27.30	chr10	10q23	30	68.81
Hs.174794	27.30	chr6	N/A	3	40.14
LOC286297	27.30	chr9	9q12	29	81.52
Hs.565337	27.29	chr2	N/A	3	36.16
TUBGCP4	27.29	chr15	15q15	35	100.29
C10orf118	27.29	chr10	10q25.3	83	101.28
NPNT	27.29	chr4	4q24	37	105.87
E2F5	27.28	chr8	8q21.2	40	121.24
TBX18	27.28	chr6	6q14-q15	27	126.38
CAMKV	27.28	chr3	3p21.31	26	171.51
ATF5	27.28	chr19	19q13.3	55	115.97
LOC113230	27.27	chr19	19p13.12	15	67.46
Hs.656193	27.27	chr16	N/A	4	47.97
ANKS1B	27.26	chr12	12q23.1	70	439.37
Hs.144502	27.26	chr12	N/A	3	6.84
Hs.576914	27.26	chr10	N/A	3	38.73
Hs.688020	27.26	chr3	N/A	2	61.57
Hs.700846	27.26	chr17	N/A	10	105.54
Hs.522428	27.26	chr9	N/A	3	48.10
Hs.578188	27.25	chr14	N/A	3	51.67
Hs.557703	27.25	chr19	N/A	5	77.50
Hs.608614	27.25	chr17	N/A	1	0.00
Hs.97124	27.25	chr6	N/A	4	168.02
OLIG3	27.25	chr6	6q23.3	19	81.10
PDIK1L	27.25	chr1	1p36.11	26	79.85
Hs.570070	27.24	chr2	N/A	7	44.41
Hs.683854	27.24	chr16	N/A	1	0.00
TMEFF1	27.22	chr9	9q31	42	399.34
UBXN8	27.22	chr8	8p12-p11.2	37	60.52
CCNYL1	27.22	chr2	2q33.3	64	73.31
CAAP1	27.22	chr9	9p21.2	37	111.03
Hs.136472	27.22	chr6	N/A	7	142.05
MT4	27.22	chr16	16q13	27	140.96
ASPDH	27.22	chr19	19q13.33	23	114.89
ORC1	27.21	chr1	1p32	30	146.72
SNORA68	27.21	chr19	19p13	2	76.83
RNF180	27.21	chr5	5q12.3	30	130.99
CAMK1D	27.21	chr10	10p13	69	75.27
FNDC8	27.21	chr17	17q12	28	194.46
MALT1	27.20	chr18	18q21	81	140.64
SYCP1	27.20	chr1	1p13-p12	48	139.09

Hs.407362	27.19	chr2	N/A	3	46.36
SOCS1	27.19	chr16	16p13.13	64	92.42
Hs.656089	27.19	chr17	N/A	2	121.42
Hs.560115	27.19	chr12	N/A	3	19.10
Hs.543981	27.18	chr5	N/A	3	43.20
EHMT2	27.18	chr6	6p21.31	67	76.61
PAX9	27.18	chr14	14q13.3	40	120.60
FLJ21408	27.18	chr16	16p12.1	22	98.92
P2RX2	27.18	chr12	12q24.33	46	84.49
CCDC120	27.18	chrX	Xp11.23	44	98.90
Hs.203514	27.17	chr20	N/A	7	56.30
Hs.737968	27.17	chr2	N/A	1	0.00
Hs.149492	27.17	chr2	N/A	2	32.56
Hs.543668	27.17	chr4	N/A	3	44.94
IL12A	27.17	chr3	3q25.33	30	143.16
SH3D21	27.16	chr1	1p34.3	40	98.16
LOC100506963	27.16	chr1	N/A	14	66.17
Hs.623192	27.15	chr6	N/A	1	0.00
OAS3	27.15	chr12	12q24.2	42	114.40
C20orf195	27.15	chr20	20q13.33	21	87.79
Hs.375762	27.15	chr15	N/A	38	262.20
LMO1	27.14	chr11	11p15	31	144.92
Hs.545237	27.14	chr8	N/A	3	42.96
RNASEL	27.14	chr1	1q25	35	91.18
Hs.544442	27.14	chr6	N/A	3	43.42
Hs.602110	27.13	chr6	N/A	7	45.50
Hs.213486	27.13	chr2	N/A	3	69.32
WFDC12	27.12	chr20	20q13.12	22	202.13
Hs.568690	27.12	chr1	N/A	3	7.77
LGI3	27.12	chr8	8p21.3	24	95.53
EVI2B	27.12	chr17	17q11.2	33	71.58
AKNA	27.12	chr9	9q32	39	168.60
MTF1	27.11	chr1	1p33	70	107.32
RGS8	27.11	chr1	1q25	29	234.40
CARD16	27.11	chr11	N/A	27	107.45
Hs.710657	27.11	chr2	N/A	2	27.03
Hs.705841	27.11	chr6	N/A	7	39.84
ULK4	27.10	chr3	3p22.1	54	248.91
Hs.651374	27.10	chr16	N/A	1	0.00
Hs.694843	27.10	chr15	N/A	7	171.50
DAGLB	27.10	chr7	7p22.1	34	122.24
Hs.639310	27.10	chr5	N/A	3	41.05
XAB2	27.10	chr19	19p13.2	31	166.05
Hs.178202	27.09	chr16	N/A	1	0.00
ST6GALNAC2	27.09	chr17	17q25.1	55	77.51
FGF13	27.09	chrX	Xq26.3	66	431.92
Hs.603633	27.09	chr1	N/A	2	29.01
SSTR5-AS1	27.09	chr16	16p13.3	19	96.01
CRYBB2	27.08	chr22	22q11.23	38	114.25
Hs.559609	27.08	chr8	N/A	3	37.17
C10orf2	27.07	chr10	10q24	31	80.37
KRTAP11-1	27.07	chr21	21q22.1	17	77.71
TSPAN6	27.07	chrX	Xq22	43	77.48
Hs.655185	27.07	chr3	N/A	8	77.89
CD8B	27.07	chr2	2p12	62	165.88
Hs.707631	27.07	chr11	N/A	11	50.60
AMDHD2	27.07	chr16	16p13.3	33	116.04
PDE1B	27.06	chr12	12q13	28	64.72
Hs.725973	27.06	chr6	N/A	7	119.57
Hs.476663	27.06	chr11	N/A	7	101.24
Hs.551378	27.06	chr18	N/A	3	12.73
VAMP4	27.06	chr1	1q24-q25	75	94.34
Hs.417262	27.05	chr8	N/A	6	73.59
Hs.566876	27.05	chr8	N/A	3	23.99
Hs.543196	27.05	chr3	N/A	3	15.91
Hs.564858	27.05	chr16	N/A	3	3.67

MAST3	27.05	chr19	19p13.11	27	77.02
Hs.539904	27.05	chr14	N/A	3	86.60
Hs.539985	27.05	chr14	N/A	3	62.59
ZNF200	27.05	chr16	16p13.3	41	67.80
ATF1	27.05	chr12	12q13	39	80.12
GPRC5D	27.04	chr12	12p13.3	21	109.13
ACTR5	27.04	chr20	20q11.23	31	97.07
CSF2RA	27.04	chrX	Xp22.32 and Yp11	69	199.91
ZNF143	27.04	chr11	11p15.4	44	92.75
KIAA0895	27.04	chr7	7p14.2	30	221.56
Hs.436029	27.04	chr6	N/A	4	36.68
Hs.657310	27.04	chr16	N/A	1	0.00
LILRB2	27.03	chr19	19q13.4	48	101.77
Hs.543814	27.03	chr5	N/A	3	40.11
ANKZF1	27.03	chr2	2q35	34	80.20
OR10P1	27.03	chr12	12q13.2	13	54.78
TAB3	27.03	chrX	Xp21.2	52	162.71
Hs.632872	27.03	chr6	N/A	7	82.67
Hs.635178	27.03	chr12	N/A	3	13.62
Hs.541554	27.03	chr2	N/A	3	24.05
Hs.659749	27.02	chr19	N/A	5	84.39
PRR15	27.02	chr7	7p14.3	41	131.13
MAP6D1	27.02	chr3	3q27.1	42	89.47
PSEN1	27.02	chr14	14q24.3	105	96.47
Hs.600087	27.02	chr21	N/A	18	76.70
Hs.544388	27.01	chr6	N/A	3	55.03
Hs.597256	27.01	chr2	N/A	7	50.28
CAPN10	27.01	chr2	2q37.3	68	115.99
Hs.577138	27.01	chr11	N/A	3	57.28
LHFPL4	27.01	chr3	3p25.3	18	54.55
SEMA4F	27.00	chr2	2p13.1	49	74.31
Hs.658277	27.00	chr21	N/A	7	82.36
AGBL5	27.00	chr2	2p23.3	58	87.04
TNFSF4	26.99	chr1	1q25	31	76.83
HOXA6	26.99	chr7	7p15.2	18	175.87
LOC100506609	26.99	chr17	N/A	5	54.29
Hs.104801	26.98	chr1	N/A	7	116.77
IGSF1	26.98	chrX	Xq25	42	92.42
Hs.594106	26.98	chr14	N/A	10	72.99
Hs.632453	26.98	chr1	N/A	7	79.88
NMT2	26.98	chr10	10p13	48	114.41
Hs.731779	26.98	chr1	N/A	14	88.64
Hs.669159	26.97	chr11	N/A	7	72.00
ATR	26.97	chr3	3q23	52	116.04
SNORD30	26.97	chr11	11q13	3	42.88
Hs.581914	26.97	chr4	N/A	3	25.63
KCNK12	26.96	chr2	2p16.3	23	90.79
Hs.735169	26.96	chr4	N/A	3	61.45
PIGM	26.96	chr1	1q23.2	38	72.60
Hs.246593	26.96	chr17	N/A	11	82.32
Hs.695168	26.95	chr1	N/A	5	96.74
HECTD4	26.95	chr12	12q24.13	90	116.86
GGT2	26.95	chr22	22q11.21	41	73.41
Hs.731912	26.95	chr2	N/A	1	0.00
ABCB1	26.95	chr7	7q21.12	83	90.33
Hs.570828	26.95	chr4	N/A	11	94.30
PCDH1	26.95	chr5	5q31.3	60	82.08
Hs.680538	26.94	chr5	N/A	10	32.46
MIR503HG	26.94	chrX	Xq26.3	56	93.40
Hs.649237	26.94	chr16	N/A	1	0.00
Hs.601536	26.94	chr7	N/A	7	120.05
LIG3	26.93	chr17	17q11.2-q12	61	106.35
Hs.646532	26.93	chr15	N/A	24	188.67
HARB11	26.93	chr11	11p11.2	24	54.18
Hs.544897	26.92	chr7	N/A	3	53.49
Hs.540995	26.92	chr18	N/A	3	63.02

Hs.669429	26.92	chr12	N/A	1	0.00
NUP50	26.91	chr22	22q13.31	88	95.64
CEP44	26.91	chr4	4q34	43	92.73
ASZ1	26.91	chr7	7q31.2	22	240.28
DACH1	26.91	chr13	13q22	63	129.62
Hs.602546	26.91	chr2	N/A	7	188.99
PKD1L3	26.90	chr16	16q22.2	18	153.58
SGOL1	26.90	chr3	3p24.3	48	130.07
KLHL17	26.90	chr1	1p36.33	40	128.99
MAP9	26.90	chr4	4q32.1	61	161.60
DSEL	26.90	chr18	18q22.1	61	214.86
ZC3H18	26.90	chr16	16q24.2	25	90.21
Hs.667760	26.89	chr21	N/A	7	90.87
Hs.659823	26.89	chr15	N/A	8	115.62
Hs.658144	26.89	chr11	N/A	33	120.53
TOP1MT	26.89	chr8	8q24.3	38	101.35
IRGC	26.89	chr19	19q13.31	30	97.13
PRRX2	26.89	chr9	9q34.1	28	77.41
CD1D	26.89	chr1	1q22-q23	43	139.71
Hs.120651	26.88	chr8	N/A	3	16.99
USP18	26.88	chr22	22q11.21	51	81.35
NARG2	26.88	chr15	15q22.2	67	91.63
KIAA1211L	26.88	chr2	2q11.2	64	147.16
Hs.595502	26.88	chr14	N/A	5	117.37
NRDE2	26.88	chr14	14q32.11	47	165.73
RASEF	26.88	chr9	9q21.32	58	281.62
RPS6KC1	26.88	chr1	1q41	50	98.37
DSTYK	26.88	chr1	1q32.1	78	87.94
Hs.668252	26.87	chr16	N/A	7	197.24
ANKRD28	26.87	chr3	3p25.1	57	85.40
Hs.656797	26.87	chr4	N/A	8	115.02
Hs.161181	26.86	chr10	N/A	9	94.57
GFER	26.86	chr16	16p13.3-p13.12	45	86.44
ST18	26.86	chr8	8q11.23	57	127.81
RIOK1	26.86	chr6	6p24.3	42	91.36
Hs.562265	26.86	chr10	N/A	3	56.42
TMEM255B	26.85	chr13	13q34	26	45.57
Hs.668036	26.85	chr16	N/A	7	75.30
Hs.580620	26.85	chr2	N/A	3	26.52
Hs.655763	26.84	chr8	N/A	11	94.85
Hs.564305	26.84	chr11	N/A	3	37.47
CYP2W1	26.84	chr7	7p22.3	21	58.88
Hs.547601	26.84	chr22	N/A	11	86.16
TRPS1	26.84	chr8	8q24.12	65	95.63
Hs.530159	26.84	chr8	N/A	15	122.10
Hs.546119	26.83	chrX	N/A	3	17.82
MYOZ3	26.83	chr5	5q33.1	60	119.81
Hs.144479	26.82	chr5	N/A	4	7.77
TMEM194A	26.82	chr12	12q13.3	45	146.60
FLJ42875	26.82	chr1	1p36.32	43	70.31
LOC100652930	26.82	chr20	N/A	13	88.20
Hs.740799	26.82	chr10	N/A	1	0.00
HUS1	26.81	chr7	7p13-p12	41	148.83
Hs.736739	26.80	chr4	N/A	3	60.26
Hs.745253	26.80	chr7	N/A	14	101.90
Hs.603302	26.80	chr10	N/A	2	123.26
Hs.566762	26.80	chr7	N/A	3	22.90
CAMK2N2	26.80	chr3	3q27.1	29	100.36
ZSCAN5A	26.80	chr19	19q13.43	26	56.22
Hs.631227	26.80	chr14	N/A	10	113.80
Hs.385535	26.80	chr17	N/A	1	0.00
ARL4A	26.79	chr7	7p21.3	50	109.05
Hs.336370	26.79	chr8	N/A	3	75.80
LOC550112	26.79	chr4	4q13.2	4	50.59
AHI1	26.79	chr6	6q23.3	101	122.74
PHLPP2	26.78	chr16	16q22.2	49	120.69

TCP11L1	26.77	chr11	11p13	56	207.21
GPHB5	26.77	chr14	14q23.2	17	62.22
TBC1D17	26.77	chr19	19q13.33	28	82.71
TIRAP	26.77	chr11	11q24.2	69	99.03
LOC339260	26.77	chr17	17p11.2	25	118.98
NTNG2	26.77	chr9	9q34	19	82.20
Hs.576309	26.76	chr1	N/A	3	25.30
Hs.740956	26.76	chr1	N/A	1	0.00
Hs.579535	26.76	chr18	N/A	3	69.37
ALS2CR12	26.76	chr2	2q33.1	44	123.02
SERPINA1	26.75	chr14	14q32.1	74	83.09
C11orf30	26.75	chr11	11q13.5	62	120.44
Hs.277767	26.75	chr13	N/A	3	31.56
ST8SIA5	26.75	chr18	18q21.1	40	110.26
Hs.542384	26.75	chr20	N/A	3	42.77
LOC150051	26.75	chr21	21q22.11	4	36.31
ESPL1	26.75	chr12	12q	48	65.96
ZFP57	26.75	chr6	6p22.1	8	64.49
Hs.564029	26.75	chr10	N/A	10	131.62
ANKLE1	26.74	chr19	19p13.11	24	162.07
INPP4B	26.74	chr4	4q31.21	86	112.18
Hs.566820	26.73	chr8	N/A	3	35.22
AUTS2	26.72	chr7	7q11.22	80	114.53
HPDL	26.72	chr1	1p34.1	19	84.01
Hs.729242	26.72	chr1	N/A	8	60.27
Hs.131259	26.71	chr2	N/A	10	85.78
Hs.586433	26.71	chr9	N/A	10	133.60
CBLN3	26.71	chr14	14q12	14	72.37
Hs.576563	26.71	chr10	N/A	3	55.37
Hs.665592	26.71	chr3	N/A	7	71.44
Hs.436592	26.71	chrX	N/A	3	45.47
CDKN3	26.71	chr14	14q22	31	46.77
ANKRD53	26.71	chr2	2p13.3	34	93.74
Hs.662760	26.70	chr1	N/A	1	0.00
GZMA	26.70	chr5	5q11-q12	30	129.04
SMIM8	26.70	chr6	6q15-q16.1	63	79.61
Hs.659502	26.70	chr11	N/A	1	0.00
DUS4L	26.70	chr7	7q22-q31	42	86.80
ZNF322	26.70	chr6	6p22.1	32	67.01
PARD3	26.70	chr10	10p11.21	92	114.72
Hs.731257	26.69	chr2	N/A	3	47.91
Hs.730090	26.69	chr1	N/A	1	0.00
FGF2	26.69	chr4	4q26	77	129.23
ZC2HC1C	26.69	chr14	14q24.3	44	99.98
Hs.578480	26.69	chr15	N/A	3	11.51
LPAR2	26.69	chr19	19p12	40	68.44
LOC440243	26.69	chr15	15q11.2	12	93.24
GABRA4	26.68	chr4	4p12	32	111.80
C11orf16	26.67	chr11	11p15.3	31	113.87
GJC3	26.67	chr7	7q22.1	28	96.30
TRO	26.67	chrX	Xp11.22-p11.21	50	122.94
SOGA2	26.66	chr18	18p11.22	42	92.11
Hs.544713	26.66	chr6	N/A	3	41.29
Hs.658911	26.66	chr17	N/A	7	68.73
Hs.543970	26.65	chr5	N/A	3	39.92
Hs.574781	26.65	chr2	N/A	18	214.44
Hs.596130	26.65	chr6	N/A	1	0.00
MARS2	26.65	chr2	2q33.1	22	160.58
Hs.710399	26.65	chr17	N/A	1	0.00
LOC100506115	26.64	chr20	N/A	15	70.38
LOC440335	26.64	chr16	16p13.3	13	188.83
Hs.705695	26.64	chr4	N/A	1	0.00
RGS9BP	26.64	chr19	19q13.11	14	89.13
SNORD55	26.63	chr1	1p34.1	3	31.37
SLC26A2	26.63	chr5	5q31-q34	59	141.42
Hs.633385	26.63	chr10	N/A	5	149.68

Hs.667766	26.62	chr7	N/A	1	0.00
PSTK	26.62	chr10	10q26.13	25	77.01
Hs.585805	26.61	chr17	N/A	2	69.85
Hs.732775	26.61	chr3	N/A	11	81.70
Hs.542962	26.61	chr3	N/A	3	47.00
Hs.596638	26.61	chr22	N/A	7	30.80
Hs.658110	26.61	chr7	N/A	7	86.31
Hs.665965	26.60	chr12	N/A	22	182.55
MCM9	26.60	chr6	6q22.31	63	192.96
Hs.542571	26.60	chr21	N/A	3	22.97
LOC100129858	26.60	chr4	4q31.1	29	156.61
Hs.733386	26.60	chr19	N/A	7	139.85
IKZF5	26.60	chr10	10q26	44	111.13
FUT11	26.60	chr10	10q22.2	23	101.06
Hs.594114	26.59	chr2	N/A	3	78.93
TGIF2	26.59	chr20	20q11.23	42	99.43
HES6	26.59	chr2	2q37.3	43	62.97
Hs.575936	26.59	chr1	N/A	3	19.59
FAM110A	26.59	chr20	20p13	40	55.58
STC2	26.58	chr5	5q35.1	45	158.07
SERPINA6	26.57	chr14	14q32.1	30	96.71
CLMP	26.57	chr11	11q24.1	36	80.47
Hs.576542	26.57	chr1	N/A	3	22.62
DOK6	26.57	chr18	18q22.2	42	134.16
CDX4	26.56	chrX	Xq13.2	21	88.90
Hs.437819	26.56	chr15	N/A	3	5.82
MAPK8IP1	26.56	chr11	11p11.2	61	238.87
LIMK2	26.56	chr22	22q12.2	80	79.51
LINC00856	26.55	chr10	10q22.3	5	43.92
HPS5	26.55	chr11	11p14	36	100.73
ZBTB39	26.55	chr12	12q13.3	30	82.75
ATL1	26.55	chr14	14q22.1	36	235.18
Hs.662060	26.55	chrX	N/A	7	72.33
Hs.667061	26.55	chr14	N/A	10	44.50
LOC645626	26.54	chr13	13q11	3	18.75
Hs.542819	26.54	chr3	N/A	3	30.88
Hs.713195	26.54	chr11	N/A	10	30.54
Hs.603854	26.54	chr10	N/A	7	52.17
SDS	26.54	chr12	12q24.13	38	112.20
ZNF268	26.54	chr12	12q24.33	57	82.12
RNF185	26.54	chr22	22q12.2	47	104.51
Hs.580000	26.54	chr2	N/A	3	18.96
OR8D2	26.53	chr11	11q24.2	19	97.95
FBP1	26.53	chr9	9q22.3	30	103.39
TSPAN1	26.53	chr1	1p34.1	30	62.42
Hs.735943	26.53	chr5	N/A	1	0.00
Hs.542258	26.53	chr20	N/A	3	20.98
Hs.655080	26.52	chr3	N/A	1	0.00
Hs.626125	26.52	chr7	N/A	8	13.65
SMU1	26.52	chr9	9p12	47	63.86
Hs.555263	26.51	chrX	N/A	3	30.75
NRIP3	26.51	chr11	11p15.3	39	83.50
Hs.666705	26.51	chr13	N/A	1	0.00
FGD3	26.51	chr9	N/A	33	109.69
H1FNT	26.50	chr12	12q13.11	28	107.75
AGPS	26.50	chr2	2q31.2	68	118.99
Hs.599577	26.49	chr8	N/A	7	95.43
ORAOV1	26.49	chr11	11q13.3	35	110.80
Hs.666293	26.49	chr15	N/A	7	134.45
MON2	26.49	chr12	12q14.1	82	159.18
TUBB2B	26.49	chr6	6p25	33	147.58
NUP188	26.49	chr9	9q34.11	54	111.43
Hs.181483	26.49	chr14	N/A	1	0.00
MED23	26.48	chr6	6q22.33-q24.1	55	86.42
KLHL30	26.48	chr2	2q37.3	18	155.51
MFHAS1	26.48	chr8	8p23.1	26	85.92

C4orf29	26.48	chr4	4q28.2	49	105.49
MAL2	26.47	chr8	8q23	40	111.85
E2F1	26.47	chr20	20q11.2	62	82.73
LRRK2	26.47	chr12	12q12	37	122.47
LRRC3DN	26.47	chr21	21q22.3	30	117.72
RXFP4	26.46	chr1	1q22	18	118.61
Hs.732496	26.46	chr11	N/A	8	71.61
Hs.543092	26.46	chr3	N/A	3	66.08
AP3B2	26.45	chr15	15q	31	144.69
HPCA	26.45	chr1	1p35-p34.2	37	214.70
AURKA	26.45	chr20	20q13	52	100.22
ING1	26.45	chr13	13q34	94	93.27
LRIT1	26.45	chr10	10q23	23	108.46
TMEM125	26.45	chr1	1p34.2	26	69.11
TWSG1	26.45	chr18	18p11.3	57	124.25
PHOSPHO2	26.44	chr2	2q31.1	21	66.14
Hs.540102	26.44	chr14	N/A	3	12.78
TG	26.44	chr8	8q24	30	70.41
Hs.580943	26.43	chr21	N/A	3	6.35
Hs.544487	26.43	chr6	N/A	3	35.13
Hs.143408	26.43	chr19	N/A	22	73.80
Hs.658052	26.43	chr3	N/A	14	187.72
Hs.658050	26.42	chr15	N/A	8	67.44
Hs.435523	26.42	chr2	N/A	3	40.98
Hs.564219	26.42	chr11	N/A	3	22.97
Hs.667867	26.42	chr19	N/A	7	108.42
Hs.654977	26.42	chr9	N/A	3	35.72
DNAJB13	26.42	chr11	11q13.4	10	92.37
NAA40	26.41	chr11	11q13.1	36	64.12
ZNRF3	26.41	chr22	22q12.1	68	114.80
Hs.544063	26.40	chr5	N/A	3	56.66
Hs.577935	26.40	chr13	N/A	3	13.58
SAPCD1	26.40	chr6	6p21.33	25	76.46
TDRP	26.40	chr8	8p23.3	26	210.59
Hs.575015	26.40	chr3	N/A	3	32.90
TRA2A	26.40	chr7	7p15.3	85	116.22
Hs.591630	26.39	chr2	N/A	8	49.10
SAMD11	26.39	chr1	1p36.33	27	99.14
Hs.577879	26.39	chr13	N/A	3	33.27
Hs.129581	26.39	chr16	N/A	18	92.03
TMIGD2	26.38	chr19	19p13.3	19	62.38
Hs.436879	26.38	chr21	N/A	3	39.32
PSMG4	26.38	chr6	6p25.2	11	100.41
Hs.738883	26.38	chr7	N/A	3	20.49
Hs.545826	26.38	chr9	N/A	3	21.33
FLJ44342	26.38	chr17	17q22	16	76.46
Hs.597217	26.37	chr21	N/A	7	99.30
PIGG	26.37	chr4	4p16.3	50	79.04
S100BPB	26.37	chr1	1p35.1	75	64.82
ZSCAN21	26.37	chr7	7q22.1	33	88.71
Hs.657126	26.36	chr7	N/A	8	72.02
SNHG10	26.36	chr14	14q32.13	16	66.22
Hs.660196	26.36	chr3	N/A	1	0.00
RAPGEF6	26.36	chr5	5q31.1	53	112.26
TMC4	26.35	chr19	19q13.42	26	133.25
ZKSCAN2	26.35	chr16	16p12.1	33	121.87
Hs.580480	26.35	chr2	N/A	3	54.23
Hs.578868	26.35	chr16	N/A	3	68.26
NPY	26.35	chr7	7p15.1	30	86.87
Hs.439880	26.34	chr1	N/A	6	43.85
Hs.666978	26.34	chr3	N/A	7	156.27
Hs.603648	26.34	chr10	N/A	2	45.40
RECK	26.34	chr9	9p13.3	109	148.59
LOC100130745	26.33	chr7	7p22.3	3	100.26
Hs.638008	26.33	chr10	N/A	3	52.27
Hs.581681	26.33	chr4	N/A	3	33.72

Hs.507922	26.33	chr13	N/A	8	63.37
ERN2	26.33	chr16	16p12.2	35	87.77
Hs.597895	26.33	chr11	N/A	4	19.68
NIPAL2	26.32	chr8	8q22.2	60	152.22
SLC25A17	26.32	chr22	22q13.2	35	63.38
Hs.592319	26.32	chr14	N/A	2	107.05
Hs.405639	26.32	chr16	N/A	3	73.68
ANKRD29	26.32	chr18	18q11.2	29	82.84
Hs.656634	26.32	chr2	N/A	5	56.35
Hs.516517	26.31	chr2	N/A	3	40.45
CCDC41	26.31	chr12	12q22	34	65.85
LSM14B	26.31	chr20	20q13.33	51	104.39
BRSK2	26.31	chr11	11p15.5	44	81.79
Hs.703488	26.31	chr9	N/A	7	39.85
SBSN	26.31	chr19	19q13.13	7	65.41
MAPK8IP2	26.30	chr22	22q13.33	47	104.32
Hs.545896	26.30	chr9	N/A	3	55.55
MADCAM1	26.30	chr19	19p13.3	50	113.49
MYO1A	26.30	chr12	12q13-q14	28	83.76
Hs.675340	26.30	chr4	N/A	1	0.00
Hs.517572	26.30	chr22	N/A	3	61.94
HEMGN	26.30	chr9	9q22.33	54	215.19
NAPEPLD	26.29	chr7	7q22.1	59	133.30
OTUD4	26.29	chr4	4q31.21	109	126.42
AGO3	26.29	chr1	1p34	38	67.78
Hs.374903	26.28	chr11	N/A	3	48.26
POLD1	26.28	chr19	19q13.3	39	65.13
Hs.591807	26.28	chr6	N/A	12	69.90
POLR3A	26.28	chr10	10q22-q23	53	134.81
Hs.575814	26.27	chr1	N/A	3	53.71
Hs.211821	26.27	chr10	N/A	3	62.95
Hs.602111	26.27	chr2	N/A	14	79.95
ZNF407	26.27	chr18	18q23	58	155.00
Hs.677491	26.27	chr8	N/A	1	0.00
MAPK12	26.26	chr22	22q13.33	29	65.00
Hs.529962	26.26	chr6	N/A	4	93.22
GRB7	26.26	chr17	17q12	45	97.06
MAP6	26.26	chr11	11q13.5	63	96.06
Hs.580184	26.26	chr2	N/A	3	26.02
EFHC2	26.26	chrX	Xp11.3	56	105.85
Hs.545310	26.26	chr8	N/A	3	45.78
AMH	26.25	chr19	19p13.3	28	182.71
ZNF518A	26.25	chr10	10q24.1	57	120.89
DUSP2	26.24	chr2	2q11	38	69.85
FLVCR1	26.24	chr1	1q32.3	39	73.58
Hs.599935	26.24	chr14	N/A	7	55.78
Hs.539244	26.24	chr12	N/A	3	41.96
Hs.661802	26.24	chr6	N/A	21	65.88
C16orf93	26.24	chr16	16p11.2	31	113.81
Hs.128463	26.24	chr6	N/A	6	65.85
FAM173B	26.24	chr5	5p15.2	64	114.28
APCS	26.24	chr1	1q21-q23	30	61.12
AMDHD1	26.23	chr12	12q23.1	32	136.74
AP4E1	26.23	chr15	15q21.2	52	103.58
LY75	26.23	chr2	2q24	45	136.46
C17orf85	26.23	chr17	17p13.2	65	68.80
RREB1	26.23	chr6	6p25	98	133.83
SCN4A	26.23	chr17	17q23.3	22	175.46
Hs.554138	26.23	chr14	N/A	3	14.44
Hs.540229	26.23	chr15	N/A	3	15.08
RASSF5	26.23	chr1	1q32.1	52	141.38
Hs.668565	26.22	chr5	N/A	7	113.00
C19orf77	26.22	chr19	19p13.3	11	253.15
CNR2	26.22	chr1	1p36.11	28	93.98
DBH-AS1	26.21	chr9	9q34.2	2	115.81
Hs.545904	26.21	chr9	N/A	3	38.71

ZNF185	26.21	chrX	Xq28	23	82.93
Hs.720775	26.21	chr3	N/A	7	70.63
CHAF1A	26.20	chr19	19p13.3	39	82.88
Hs.543971	26.20	chr5	N/A	3	38.17
LOC388282	26.20	chr16	16q13	6	83.24
MIB1	26.20	chr18	18q11.2	107	137.82
RP2	26.19	chrX	Xp11.3	44	116.61
Hs.666770	26.19	chr6	N/A	8	54.84
Hs.603233	26.19	chr8	N/A	2	60.52
LTF	26.18	chr3	3p21.31	30	128.44
Hs.661511	26.18	chr7	N/A	7	52.02
MYO16	26.18	chr13	13q33.3	38	188.28
IFT81	26.18	chr12	12q24.13	60	241.46
SELL	26.17	chr1	1q23-q25	41	88.50
BHLHE22	26.17	chr8	8q13	28	90.41
TRIM75	26.17	chr4	4q32.3	3	18.98
CYP8B1	26.17	chr3	3p22.1	24	97.36
MBNL1-AS1	26.17	chr3	3q25.1	26	161.57
SLC38A9	26.17	chr5	5q11.2	39	69.33
Hs.707708	26.16	chr1	N/A	5	21.51
Hs.713895	26.16	chr16	N/A	21	99.18
WDFY3	26.16	chr4	4q21.23	126	147.85
CMA1	26.16	chr14	14q11.2	23	101.69
B9D1	26.16	chr17	17p11.2	53	108.05
Hs.614081	26.16	chr6	N/A	5	49.87
GPR19	26.16	chr12	12p12.3	35	165.96
Hs.668276	26.16	chr9	N/A	2	97.42
Hs.552449	26.16	chr2	N/A	10	60.87
CTDP1	26.15	chr18	18q23	53	76.18
EFNA2	26.15	chr19	19p13.3	47	122.97
Hs.720426	26.15	chr4	N/A	8	78.85
CNOT4	26.15	chr7	7q22-qter	107	149.70
KCNH4	26.15	chr17	17q21.2	21	67.30
TRPC3	26.15	chr4	4q27	35	127.98
FASTKD3	26.15	chr5	5p15.31	31	59.39
C2orf76	26.15	chr2	2q14.2	21	65.26
FZD9	26.15	chr7	7q11.23	30	149.86
Hs.718849	26.15	chr12	N/A	1	0.00
Hs.571415	26.15	chr8	N/A	3	36.98
TP53RK	26.14	chr20	20q13.2	51	93.70
LOC100129461	26.14	chr6	6p25.1	1	0.00
RPPH1	26.14	chr14	14q11.2	4	67.18
Hs.156385	26.14	chr13	N/A	3	81.33
LILRA6	26.14	chr19	19q13.4	10	76.10
Hs.598660	26.14	chr6	N/A	7	68.37
ZFP91	26.14	chr11	11q12	18	55.77
PRRT2	26.14	chr16	16p11.2	23	66.14
Hs.513455	26.14	chr16	N/A	3	61.32
ZNF510	26.14	chr9	9q22.33	47	139.55
MSL2	26.13	chr3	3q22.3	38	71.38
ZNRF1	26.13	chr16	16q23.1	74	104.86
Hs.664114	26.13	chr8	N/A	7	96.24
Hs.675244	26.13	chr19	N/A	2	112.15
STGC3	26.13	chr3	3p21	21	107.64
LOC101060023	26.13	chr9	N/A	1	0.00
FOXL1	26.12	chr16	16q24	22	100.48
EP400	26.11	chr12	12q24.33	74	132.84
IGSF22	26.11	chr11	11p15.1	16	140.92
PRKAR1B	26.11	chr7	7p22	66	114.31
CCDC112	26.11	chr5	5q22.3	34	68.90
MPL	26.11	chr1	1p34	48	75.76
Hs.656624	26.10	chrX	N/A	1	0.00
CLCN4	26.10	chrX	Xp22.3	62	121.70
BRAF	26.09	chr7	7q34	65	97.41
Hs.664089	26.09	chr18	N/A	7	33.01
Hs.581028	26.09	chr22	N/A	3	51.08

ZBTB1	26.09	chr14	14q23.3	48	259.16
GPR155	26.08	chr2	2q31.1	59	99.64
Hs.181697	26.08	chr4	N/A	3	11.93
MPHOSPH9	26.08	chr12	12q24.31	63	117.08
Hs.105791	26.08	chr1	N/A	26	106.56
HCG25	26.08	chr6	6p21	2	74.19
Hs.736012	26.07	chr13	N/A	1	0.00
DHRS2	26.07	chr14	14q11.2	48	107.05
NFKB2	26.07	chr10	10q24	72	140.64
Hs.724132	26.06	chr19	N/A	3	9.97
PFAS	26.06	chr17	17p13.1	40	117.14
Hs.597317	26.06	chr5	N/A	7	75.02
GPR114	26.06	chr16	16q21	28	64.92
CDK20	26.06	chr9	9q22.1	33	87.41
TAF1L	26.06	chr9	9p21.1	19	123.38
Hs.56044	26.06	chr1	N/A	7	114.83
LOC100996552	26.06	chr6	N/A	5	65.22
Hs.195389	26.05	chr19	N/A	4	24.07
Hs.582239	26.05	chr5	N/A	3	54.12
RNF170	26.05	chr8	8p11.21	47	108.49
Hs.98626	26.05	chr4	N/A	13	48.14
PIGV	26.05	chr1	1p36.11	33	122.82
ARHGAP19	26.05	chr10	10q24.1	64	115.37
Hs.191814	26.04	chr3	N/A	1	0.00
DENND6B	26.04	chr22	22q13.33	42	96.31
FRAT1	26.03	chr10	10q24.1	26	89.74
ASTL	26.03	chr2	2q11.1	18	66.96
Hs.713076	26.03	chr9	N/A	1	0.00
Hs.739522	26.03	chr9	N/A	3	21.44
Hs.655371	26.03	chr5	N/A	7	82.40
ZNF26	26.02	chr12	12q24.33	60	99.16
PDSS1	26.02	chr10	10p12.1	32	84.12
ZNF141	26.02	chr4	4p16.3	39	115.93
ABCG2	26.02	chr4	4q22	54	100.78
Hs.584117	26.01	chr9	N/A	3	49.70
ADPRM	26.01	chr17	17p13.1	29	67.93
LOC100130097	26.01	chr1	1q44	1	0.00
Hs.582560	26.01	chr5	N/A	3	43.72
Hs.541820	26.01	chr2	N/A	3	8.00
HAP1	26.00	chr17	17q21.2-q21.3	44	112.58
LINC00884	25.99	chr3	3q29	2	66.65
MKL1	25.99	chr22	22q13	55	84.90
KCNJ2-AS1	25.98	chr17	17q24.3	21	52.54
LOC100129395	25.98	chr17	17q12	17	72.19
SLC7A9	25.98	chr19	19q13.1	28	93.56
REXO1	25.98	chr19	19p13.3	23	143.84
ANXA2R	25.98	chr5	5p12	21	100.25
Hs.582159	25.97	chr5	N/A	3	26.17
CMPK2	25.97	chr2	2p25.2	23	50.09
ZNF506	25.97	chr19	19p13.11	29	124.50
FNDC4	25.96	chr2	2p23.3	18	86.06
Hs.595087	25.96	chr8	N/A	7	85.20
Hs.636112	25.96	chr17	N/A	18	144.53
Hs.444423	25.96	chr17	N/A	3	50.47
Hs.720819	25.96	chr10	N/A	8	66.98
SCARF2	25.95	chr22	22q11.21	41	96.75
REP15	25.95	chr12	12p11.22	17	87.42
RHOF	25.95	chr12	12q24.31	86	125.63
IKBKB	25.95	chr8	8p11.2	70	104.42
MBNL3	25.94	chrX	Xq26.2	89	159.52
MICAL1	25.94	chr6	6q21	28	75.15
TMIGD1	25.94	chr17	17q11.2	8	89.39
Hs.595868	25.93	chr14	N/A	7	35.72
Hs.544331	25.93	chr6	N/A	3	16.08
Hs.18128	25.93	chr20	N/A	8	50.87
SLC30A7	25.93	chr1	1p21.2	60	114.59

IGF2BP2	25.92	chr3	3q27.2	71	128.36
RNF43	25.92	chr17	17q22	30	70.15
BTD	25.92	chr3	3p25	40	89.08
ACSF3	25.91	chr16	16q24.3	37	61.63
LOC151484	25.91	chr2	2q37.1	1	0.00
SNORA64	25.91	chr16	16p13.3	3	52.78
CTPS2	25.91	chrX	Xp22	31	98.18
ZC3H8	25.91	chr2	2q13	36	84.51
GALNT15	25.91	chr3	3p25.1	50	75.45
Hs.539223	25.90	chr12	N/A	7	36.24
Hs.664778	25.90	chr16	N/A	8	82.81
CCBE1	25.90	chr18	18q21.32	52	207.09
THADA	25.90	chr2	2p21	75	118.56
C4orf46	25.89	chr4	4q32.1	22	80.81
GRM6	25.89	chr5	5q35	19	107.11
AEN	25.89	chr15	15q26.1	38	128.49
LRRRC73	25.89	chr6	6p21.1	23	81.70
GEMIN8	25.89	chrX	Xp22.2	43	76.89
PHYHIP1	25.88	chr10	10q11	49	208.24
CSP1	25.88	chr8	8q13.2	93	104.38
OCM2	25.88	chr7	7q21.2	21	78.12
TMEM206	25.88	chr1	1q32.3	29	66.39
Hs.542954	25.88	chr3	N/A	3	10.89
Hs.727036	25.88	chr1	N/A	1	0.00
LOC100507242	25.87	chr14	N/A	3	26.52
ADCYAP1	25.87	chr18	18p11	34	95.60
PCDHA5	25.87	chr5	5q31	6	66.90
Hs.560984	25.86	chr20	N/A	3	52.56
POU2F1	25.86	chr1	1q24.2	86	74.23
TCEANC2	25.86	chr1	1p32.3	30	159.75
Hs.196575	25.86	chr2	N/A	1	0.00
Hs.635728	25.86	chr12	N/A	3	3.18
PPAPDC1A	25.85	chr10	10q26.12	16	132.61
SNORD21	25.84	chr1	1p22.1	3	23.92
Hs.543517	25.84	chr4	N/A	3	11.51
ELMO3	25.83	chr16	16q22.1	28	145.94
Hs.566224	25.83	chr5	N/A	3	53.96
ENPP3	25.83	chr6	6q22	27	162.72
TMEM59L	25.83	chr19	19p12	35	142.87
Hs.564676	25.83	chr14	N/A	3	49.09
GMNN	25.82	chr6	6p22.3	35	51.47
SPATA7	25.82	chr14	14q31.3	28	84.84
ZNF341	25.82	chr20	20q11.22	33	141.92
Hs.665727	25.82	chr8	N/A	1	0.00
C12orf68	25.82	chr12	12q13.11	27	93.41
Hs.323956	25.81	chr6	N/A	3	50.12
GPR85	25.81	chr7	7q31	39	444.30
ZC3HAV1	25.81	chr7	7q34	69	97.97
LRRN1	25.81	chr3	3p26.2	31	148.45
GH2	25.81	chr17	17q24.2	52	119.83
PLA2G4F	25.80	chr15	15q15.1	24	58.18
EDEM3	25.80	chr1	1q25	57	109.92
Hs.594555	25.79	chr8	N/A	22	99.71
Hs.371750	25.79	chr1	N/A	3	46.62
Hs.598463	25.79	chr1	N/A	1	0.00
OR10S1	25.79	chr11	11q24.1	5	60.50
CDH3	25.79	chr16	16q22.1	25	74.29
IGFL1	25.78	chr19	19q13.32	14	106.44
DLL4	25.78	chr15	15q14	26	95.18
Hs.634929	25.78	chr6	N/A	2	22.78
SCG5	25.78	chr15	15q13-q14	30	217.90
KRTAP10-11	25.78	chr21	21q22.3	11	106.71
Hs.49124	25.77	chr18	N/A	29	57.34
Hs.527471	25.77	chr9	N/A	3	58.29
ZNF782	25.77	chr9	9q22.33	30	141.69
Hs.596399	25.77	chr22	N/A	14	128.55

PRR9	25.77	chr1	1q21.3	1	0.00
LOC100129617	25.77	chr16	16q23.2	1	0.00
C10orf11	25.76	chr10	10q22.3	56	116.07
AKR1C4	25.76	chr10	10p15.1	26	166.13
HSD11B2	25.76	chr16	16q22	30	167.46
Hs.606216	25.76	chr7	N/A	1	0.00
Hs.540976	25.76	chr18	N/A	3	28.12
PTPN20B	25.76	chr10	10q11.22	32	139.04
Hs.666452	25.76	chr14	N/A	7	59.08
JAKMIP2	25.76	chr5	5q32	55	308.56
TMEM68	25.76	chr8	8q12.1	41	61.41
Hs.484969	25.75	chr6	N/A	7	202.54
Hs.667814	25.75	chr2	N/A	7	75.16
Hs.663264	25.75	chr18	N/A	7	142.93
FOXD4	25.75	chr9	9p24.3	32	92.31
SLC1A4	25.75	chr2	2p15-p13	63	82.17
Hs.664785	25.75	chr9	N/A	7	61.86
Hs.663529	25.74	chr5	N/A	1	0.00
MTMR1	25.74	chrX	Xq28	58	85.30
CROT	25.74	chr7	7q21.1	38	76.48
PAGE3	25.74	chrX	Xp11.21	5	72.84
LOC151171	25.74	chr2	2q37.3	4	27.94
RSPH10B2	25.73	chr7	7p22.1	4	135.56
LYST	25.73	chr1	1q42.1-q42.2	49	149.63
ZDHHC22	25.73	chr14	14q24.3	32	203.73
STXBP5	25.73	chr6	6q24.3	53	183.12
Hs.537531	25.72	chr21	N/A	10	88.83
Hs.666166	25.72	chr15	N/A	2	75.98
ZFYVE9	25.72	chr1	1p32.3	67	115.56
UMPS	25.72	chr3	3q13	51	92.89
MLF1IP	25.72	chr4	4q35.1	44	118.95
Hs.582211	25.72	chr5	N/A	3	70.22
MR1	25.71	chr1	1q25.3	94	202.51
TPPP	25.71	chr5	5p15.3	38	108.53
Hs.148257	25.71	chr11	N/A	5	61.72
XCL1	25.70	chr1	1q23	40	161.14
CPN1	25.69	chr10	10q24.2	30	73.54
CCR7	25.69	chr17	17q12-q21.2	28	65.16
Hs.667999	25.69	chr17	N/A	3	40.27
Hs.596842	25.69	chr15	N/A	7	62.34
LOC286135	25.69	chr8	8p12	1	0.00
Hs.544188	25.69	chr5	N/A	2	31.13
Hs.568900	25.69	chr11	N/A	3	28.38
Hs.545597	25.68	chr9	N/A	3	50.57
ARVP6125	25.68	chr3	3q22.1	13	47.98
ZBPB	25.68	chr7	7p14.3	30	160.02
Hs.467163	25.68	chr19	N/A	10	175.49
MTG1	25.68	chr10	10q26.3	2	65.61
DGKQ	25.68	chr4	4p16.3	38	166.69
Hs.580597	25.68	chr2	N/A	3	6.99
SSX4	25.68	chrX	Xp11.23	11	78.77
UMODL1	25.68	chr21	21q22.3	23	102.67
PNCK	25.67	chrX	Xq28	24	153.69
Hs.657972	25.67	chr13	N/A	7	103.45
HAUS3	25.67	chr4	4p16.3	32	96.49
CLEC18C	25.67	chr16	16q22.1	4	139.35
Hs.603982	25.66	chr12	N/A	1	0.00
ASB14	25.66	chr3	3p21.1	30	113.52
SESN2	25.66	chr1	1p35.3	27	67.87
PRB1	25.66	chr12	12p13.2	45	131.49
Hs.658411	25.66	chr5	N/A	1	0.00
ACOT4	25.65	chr14	14q24.3	24	81.77
Hs.561008	25.65	chr20	N/A	1	0.00
SERPINA7	25.65	chrX	Xq22.2	38	156.88
UST	25.65	chr6	6q25.1	49	119.16
Hs.665333	25.65	chr9	N/A	1	0.00

Hs.582939	25.64	chr6	N/A	3	48.78
ITGA8	25.64	chr10	10p13	36	118.97
Hs.741808	25.64	chr1	N/A	1	0.00
EYA2	25.64	chr20	20q13.1	62	101.81
Hs.14691	25.63	chr17	N/A	8	42.08
Hs.552871	25.63	chr11	N/A	3	31.27
Hs.102276	25.63	chr2	N/A	8	78.52
LOC441204	25.63	chr7	7p15.2	51	139.94
Hs.581657	25.63	chr3	N/A	3	35.49
ELF4	25.62	chrX	Xq26	52	94.98
Hs.581938	25.62	chr4	N/A	3	70.44
SDCCAG8	25.62	chr1	1q43	61	105.52
ZNF766	25.62	chr19	19q13.41	24	94.71
LEPREL4	25.62	chr17	17q21.2	30	124.88
MYNN	25.61	chr3	3q26.2	45	77.21
Hs.614321	25.61	chr1	N/A	8	21.55
Hs.60136	25.61	chr7	N/A	7	48.91
OR3A3	25.61	chr17	17p13.3	21	62.21
Hs.599886	25.61	chr2	N/A	7	108.59
Hs.627242	25.61	chr5	N/A	8	52.38
PAN3	25.61	chr13	13q12.2	60	135.58
Hs.662494	25.61	chr3	N/A	3	56.12
Hs.578485	25.61	chr15	N/A	3	48.00
Hs.48343	25.61	chr4	N/A	7	50.97
Hs.169896	25.61	chr16	N/A	3	24.94
DNAH11	25.61	chr7	7p21	58	159.90
Hs.585528	25.60	chr11	N/A	3	19.99
Hs.158888	25.60	chr17	N/A	3	54.18
Hs.633175	25.59	chr1	N/A	17	92.49
LINC00312	25.59	chr3	3p25.3	24	92.44
SERPINA5	25.59	chr14	14q32.1	66	97.64
Hs.585479	25.59	chr10	N/A	8	87.14
TLCD1	25.58	chr17	17q11.2	19	66.30
BMP2	25.58	chr20	20p12	42	109.37
RIC3	25.57	chr11	11p15.4	59	99.74
C9orf117	25.57	chr9	9q34.11	13	83.40
FAM71F1	25.57	chr7	7q32.1	26	261.97
Hs.543701	25.56	chr4	N/A	3	19.07
ZNF285	25.56	chr19	N/A	17	70.51
Hs.539427	25.56	chr12	N/A	3	58.88
TMEM132A	25.56	chr11	11q12.2	34	68.32
Hs.205742	25.56	chr8	N/A	8	108.55
Hs.603006	25.56	chr10	N/A	7	39.92
PHOSPHO1	25.56	chr17	17q21.32	19	230.07
SMURF1	25.55	chr7	7q22.1	69	93.53
LCNL1	25.55	chr9	9q34.3	5	65.85
Hs.569871	25.54	chr18	N/A	3	64.30
Hs.660260	25.54	chr4	N/A	7	72.61
SCN10A	25.54	chr3	3p22.2	21	123.64
SLC2A13	25.53	chr12	12q12	50	110.61
Hs.541039	25.53	chr18	N/A	3	21.20
P2RY6	25.53	chr11	11q13.5	34	117.06
FOXA3	25.53	chr19	19q13.2-q13.4	36	70.17
Hs.542897	25.53	chr3	N/A	3	46.78
LOC441461	25.53	chr9	9q31.1	22	151.63
RTP2	25.52	chr3	3q27.3	6	78.59
REC8	25.52	chr14	14q11.2-q12	32	105.58
Hs.639356	25.52	chr14	N/A	1	0.00
ZNF296	25.52	chr19	19q13.32	19	91.51
SLC35E3	25.52	chr12	12q15	59	115.80
Hs.675123	25.52	chr2	N/A	11	165.45
Hs.574596	25.52	chr2	N/A	3	46.63
LOC338667	25.51	chr11	11q24.2	4	13.37
Hs.610994	25.51	chr19	N/A	1	0.00
Hs.733287	25.51	chr8	N/A	7	53.43
SGPP1	25.51	chr14	14q23.2	29	104.87

THOC6	25.51	chr16	16p13.3	21	112.29
Hs.620968	25.51	chrX	N/A	7	56.67
VGF	25.50	chr7	7q22.1	23	104.47
Hs.664468	25.50	chr2	N/A	1	0.00
USP17L2	25.50	chr8	8p23.1	13	55.97
Hs.659157	25.50	chr13	N/A	7	80.47
FAM225A	25.50	chr9	9q32	3	40.77
Hs.573872	25.50	chr10	N/A	3	23.69
LOC100130856	25.49	chr19	19p13.3	21	44.74
Hs.543253	25.49	chr3	N/A	3	58.23
BEND7	25.49	chr10	10p13	36	128.51
ALDH1L2	25.49	chr12	12q23.3	44	172.10
ZNF157	25.49	chrX	Xp11.2	23	73.15
FFAR1	25.49	chr19	19q13.1	18	85.66
MPPED1	25.49	chr22	22q13.31	36	175.06
SEC11B	25.49	chr8	8q11.23	5	60.44
LOC440993	25.49	chr3	3q29	19	59.15
Hs.208715	25.48	chr9	N/A	3	26.56
GPA33	25.48	chr1	1q24.1	59	99.37
CHTF18	25.48	chr16	16p13.3	34	59.41
Hs.560457	25.48	chr16	N/A	3	42.94
LOC100130433	25.48	chr9	9q21.33	10	25.35
FAM221A	25.48	chr7	7p15.3	39	66.69
IDO1	25.47	chr8	8p12-p11	38	96.30
Hs.606806	25.47	chr6	N/A	7	94.33
Hs.728924	25.47	chr16	N/A	8	58.47
HTR3A	25.47	chr11	11q23.1	53	80.13
CD80	25.46	chr3	3q13.3-q21	42	152.51
Hs.132593	25.46	chr4	N/A	14	82.73
METTL12	25.46	chr11	11q12.3	13	99.25
DPH6-AS1	25.46	chr15	N/A	4	58.82
FAM74A3	25.45	chr9	9p13.1	4	157.00
Hs.736644	25.45	chr2	N/A	3	51.78
PLEKHM3	25.45	chr2	2q33.3	42	85.13
Hs.444249	25.45	chr21	N/A	3	60.67
Hs.542721	25.45	chr22	N/A	3	68.47
ACACA	25.44	chr17	17q21	105	150.35
RSC1A1	25.44	chr1	1p36.1	32	85.90
Hs.554251	25.44	chr3	N/A	1	0.00
PPP1R1B	25.43	chr17	17q12	32	95.45
CDC14C	25.43	chr7	7p12.3	14	53.23
Hs.662860	25.43	chr16	N/A	7	103.06
Hs.550529	25.43	chr17	N/A	11	40.17
Hs.665421	25.43	chr10	N/A	3	74.22
ZNF174	25.43	chr16	16p13.3	73	85.55
Hs.657930	25.43	chr7	N/A	1	0.00
Hs.464836	25.43	chr10	N/A	3	63.24
GJB3	25.43	chr1	1p34	53	100.01
Hs.595384	25.43	chr7	N/A	7	81.78
LRRC33	25.42	chr3	3q29	21	103.74
Hs.564153	25.42	chr10	N/A	3	42.99
EBLN2	25.42	chr3	3p13	21	94.36
Hs.476164	25.41	chr1	N/A	8	94.28
TTLL5	25.41	chr14	14q24.3	78	129.58
IQCE	25.41	chr7	7p22.3	48	84.29
LOC100996347	25.41	chr13	N/A	6	36.01
Hs.544726	25.40	chr6	N/A	3	46.57
GUCA1C	25.40	chr3	3q13.1	19	84.62
URB2	25.39	chr1	1q42.13	30	77.59
GSDMB	25.39	chr17	17q12	47	81.36
ZC3H12A	25.39	chr1	1p34.3	28	59.18
PGBD1	25.39	chr6	6p22.1	24	97.46
ADORA3	25.39	chr1	1p13.2	42	136.49
Hs.603280	25.39	chr1	N/A	2	19.98
OR13C4	25.38	chr9	9q31.1	17	62.84
UBE2J2	25.38	chr1	1p36.33	41	82.10

Hs.675349	25.38	chr2	N/A	10	36.70
COL8A2	25.38	chr1	1p34.2	36	114.50
Hs.739167	25.38	chr5	N/A	3	42.11
Hs.559929	25.38	chr11	N/A	4	59.20
Hs.582987	25.38	chr6	N/A	3	49.61
Hs.540741	25.37	chr17	N/A	3	68.73
LOC284395	25.37	chr19	19q12	1	0.00
TMEM133	25.37	chr11	11q22.1	24	80.49
Hs.566539	25.37	chr6	N/A	3	46.55
Hs.729205	25.37	chr8	N/A	8	123.12
Hs.600099	25.36	chr9	N/A	7	106.32
HMHA1	25.36	chr19	19p13.3	27	99.83
Hs.732566	25.36	chr20	N/A	5	102.64
Hs.663182	25.36	chr9	N/A	2	24.16
ZNF765	25.36	chr19	19q13.42	19	94.05
LGALS9B	25.36	chr17	17p11.2	6	56.36
Hs.667968	25.36	chr19	N/A	7	101.49
COX18	25.36	chr4	4q13.3	54	77.91
ESPNL	25.35	chr2	2q37.3	24	67.14
F12	25.35	chr5	5q33-qter	30	79.37
Hs.517884	25.35	chr3	N/A	5	65.53
Hs.568695	25.35	chr1	N/A	3	37.41
GCNT4	25.35	chr5	5q12	18	185.67
Hs.563667	25.34	chrX	N/A	3	32.18
FREM1	25.34	chr9	9p22.3	39	195.31
Hs.101439	25.34	chr9	N/A	7	86.68
TTY19	25.34	chrY	Yp11.2	6	55.57
Hs.675449	25.34	chr3	N/A	1	0.00
Hs.599863	25.34	chr4	N/A	7	48.39
Hs.673234	25.34	chr6	N/A	3	70.88
TSHB	25.34	chr1	1p13	33	106.12
PHLDB3	25.34	chr19	19q13.31	30	148.82
Hs.600082	25.34	chr13	N/A	7	55.39
ZNF468	25.33	chr19	19q13.41	51	136.05
Hs.730299	25.33	chr17	N/A	3	14.80
SMYD4	25.33	chr17	17p13.3	56	136.33
RALGAPA1	25.32	chr14	14q13.2	102	129.92
SNORD89	25.32	chr2	2q11.2	8	57.29
Hs.433072	25.32	chr10	N/A	10	112.27
Hs.659073	25.31	chr12	N/A	1	0.00
GPR25	25.31	chr1	1q32.1	21	68.47
Hs.543632	25.31	chr4	N/A	3	79.26
PADI1	25.30	chr1	1p36.13	22	170.53
Hs.732276	25.30	chr11	N/A	7	50.28
Hs.734337	25.30	chr11	N/A	3	32.56
Hs.584063	25.30	chr9	N/A	3	63.88
RNF157	25.29	chr17	17q25.1	46	152.68
GSTT2	25.29	chr22	22q11.23	33	72.48
RAVER2	25.29	chr1	1p31.3	53	143.80
OR2T12	25.28	chr1	1q44	6	87.89
Hs.30483	25.28	chr17	N/A	8	113.40
Hs.605448	25.28	chr2	N/A	1	0.00
UPF3B	25.28	chrX	Xq25-q26	43	66.00
UBXN7	25.27	chr3	3q29	35	85.26
GLOD5	25.27	chrX	Xp11.23	5	63.45
TINAG	25.27	chr6	6p12.1	63	222.72
Hs.608251	25.27	chr2	N/A	11	66.56
LOC729732	25.27	chr8	8p23.1	12	37.59
DAPK1	25.26	chr9	9q21.33	66	94.65
Hs.659814	25.26	chr4	N/A	7	55.46
NUTM2B	25.25	chr10	10q22.3	4	59.65
Hs.566930	25.25	chr8	N/A	3	33.26
Hs.666086	25.25	chr12	N/A	1	0.00
Hs.668526	25.24	chrX	N/A	7	101.63
SLC1A1	25.24	chr9	9p24	47	134.20
NHEG1	25.24	chr6	6q23	1	0.00

Hs.715771	25.24	chr12	N/A	10	51.83
Hs.157766	25.24	chr9	N/A	3	41.72
CRIP3	25.23	chr6	6p21.1	13	72.74
Hs.561422	25.23	chr5	N/A	3	47.63
Hs.126065	25.23	chr15	N/A	7	50.32
SOGA1	25.23	chr20	20q11.23	82	151.89
NKRF	25.23	chrX	Xq24	35	80.12
Hs.566036	25.22	chr4	N/A	3	59.53
Hs.664710	25.22	chr7	N/A	1	0.00
Hs.659671	25.22	chr6	N/A	21	74.71
Hs.606448	25.22	chr21	N/A	7	53.63
Hs.655070	25.22	chr14	N/A	2	76.46
Hs.553217	25.22	chr11	N/A	3	30.97
TMEM86B	25.21	chr19	19q13.42	29	58.13
Hs.602357	25.21	chr5	N/A	14	60.81
Hs.745087	25.21	chr1	N/A	12	46.31
OGDHL	25.21	chr10	10q11.23	28	76.27
MYO1E	25.21	chr15	15q21-q22	40	106.96
Hs.662245	25.20	chrX	N/A	1	0.00
Hs.736247	25.20	chr8	N/A	5	49.04
LOXL3	25.20	chr2	2p13	27	70.72
RAD51AP1	25.20	chr12	12p13.2-p13.1	37	86.72
STAG3	25.20	chr7	7q22.1	30	66.30
Hs.658424	25.20	chr11	N/A	1	0.00
Hs.541507	25.19	chr2	N/A	7	67.86
ZNF774	25.19	chr15	15q26.1	5	64.08
ZKSCAN7	25.18	chr3	3p21.32	63	175.68
Hs.594872	25.18	chr3	N/A	5	66.18
GCH1	25.18	chr14	14q22.1-q22.2	46	160.83
Hs.199272	25.18	chr8	N/A	4	59.60
Hs.741725	25.18	chr17	N/A	10	86.74
CYBB	25.17	chrX	Xp21.1	68	92.39
CEP164	25.17	chr11	11q23.3	46	67.80
Hs.668004	25.17	chr2	N/A	2	31.82
Hs.519897	25.16	chr6	N/A	3	37.40
Hs.437108	25.16	chr15	N/A	3	52.59
ZNF304	25.16	chr19	19q13.4	31	59.42
C1orf200	25.16	chr1	1p36.22	7	52.84
TMEM45B	25.16	chr11	11q24.3	27	182.49
LINC00476	25.15	chr9	9q22.32	38	222.83
Hs.583619	25.15	chr8	N/A	3	28.21
ZNF197	25.15	chr3	3p21	57	89.46
VPREB3	25.15	chr22	22q11	23	65.76
CCDC85A	25.13	chr2	2p16.1	42	125.00
Hs.602485	25.13	chr9	N/A	2	97.60
WNT5A	25.13	chr3	3p21-p14	66	155.69
SBSPON	25.13	chr8	8q21.11	39	154.26
PGS1	25.13	chr17	17q25.3	57	116.85
POTEH	25.13	chr22	22q11.1	9	87.09
VPRBP	25.13	chr3	3p21.2	58	96.54
Hs.543570	25.12	chr4	N/A	3	39.37
Hs.501955	25.12	chr19	N/A	8	73.93
Hs.185602	25.12	chr7	N/A	3	43.23
Hs.648813	25.12	chr3	N/A	7	115.57
FGF8	25.12	chr10	10q24	28	170.19
TAL1	25.12	chr1	1p32	51	109.12
DRD5	25.12	chr4	4p16.1	33	221.52
Hs.659159	25.12	chr15	N/A	4	43.04
CROCC	25.12	chr1	1p36.13	43	87.84
Hs.283148	25.12	chr11	N/A	3	57.88
Hs.185566	25.11	chrX	N/A	3	24.91
Hs.269535	25.11	chr15	N/A	3	26.09
Hs.599655	25.11	chr2	N/A	11	160.04
ABHD17B	25.11	chr9	9q21.13	60	88.93
BDNF	25.11	chr11	11p13	61	131.58
OR10A4	25.11	chr11	11p15.4	16	100.05

MME	25.11	chr3	3q25.2	69	104.78
Hs.224170	25.11	chr4	N/A	18	132.05
NT5E	25.10	chr6	6q14-q21	59	102.29
Hs.411812	25.10	chr8	N/A	3	30.74
EPB41L4A	25.10	chr5	5q21.3	86	113.66
SLC2A11	25.10	chr22	22q11.23	38	68.65
HAPLN3	25.10	chr15	15q26.1	26	104.19
Hs.614259	25.10	chr5	N/A	1	0.00
ST3GAL5	25.10	chr2	2p11.2	61	90.99
TNFSF13B	25.10	chr13	13q32-q34	30	87.65
Hs.656880	25.09	chr12	N/A	1	0.00
MTG2	25.09	chr20	20q13.33	49	105.34
ALOX5	25.09	chr10	10q11.2	84	121.91
ARHGAP30	25.09	chr1	1q23.3	53	105.72
Hs.581617	25.08	chr3	N/A	3	12.33
FLJ33360	25.08	chr5	5p15.31	17	74.48
Hs.546152	25.08	chrX	N/A	3	37.70
CDK5R1	25.08	chr17	17q11.2	42	133.42
Hs.731992	25.08	chr5	N/A	14	76.56
EEPD1	25.08	chr7	7p14.2	44	158.95
Hs.678014	25.07	chr4	N/A	10	26.33
Hs.732274	25.07	chr10	N/A	12	135.04
ROM1	25.07	chr11	11q13	45	126.71
LOC648934	25.06	chr6	6q14.1	3	56.38
Hs.649322	25.06	chr11	N/A	7	190.53
Hs.594696	25.06	chr17	N/A	1	0.00
AKAP3	25.06	chr12	12p13.3	30	74.52
RSAD2	25.06	chr2	2p25.2	41	116.16
LOC100131174	25.06	chr20	20q13.33	3	10.38
AMIGO2	25.06	chr12	12q13.11	30	59.64
TMEM234	25.06	chr1	1p36.11-p34.2	44	78.08
RFFL	25.06	chr17	17q12	40	117.03
XAGE2	25.06	chrX	Xp11.22	24	202.32
GPR12	25.05	chr13	13q12	31	76.04
Hs.209244	25.05	chr16	N/A	3	33.31
Hs.116075	25.05	chr2	N/A	7	108.57
ALMS1	25.05	chr2	2p13	54	165.57
CLEC11A	25.04	chr19	19q13.3	33	93.00
Hs.566763	25.04	chr7	N/A	3	64.26
B3GNT5	25.03	chr3	3q28	24	111.40
Hs.581933	25.03	chr4	N/A	3	30.42
Hs.528210	25.03	chr3	N/A	3	43.26
Hs.543784	25.03	chr5	N/A	3	69.59
Hs.54089	25.03	chr2	N/A	1	0.00
Hs.596558	25.03	chr11	N/A	7	102.87
SPRED2	25.02	chr2	2p14	78	134.09
LOC100996613	25.02	chr14	N/A	13	56.73
MICALL1	25.02	chr22	22q13.1	40	87.58
PRPF39	25.02	chr14	14q21.2	26	40.53
ARHGAP36	25.02	chrX	Xq26.1	26	175.16
ADAL	25.02	chr15	15q15.3	45	55.24
Hs.705990	25.01	chr6	N/A	10	41.15
Hs.684594	25.01	chr21	N/A	11	81.64
SLC5A5	25.01	chr19	19p13.11	27	167.53
Hs.541057	25.01	chr18	N/A	3	74.75
Hs.209000	25.01	chr20	N/A	17	60.73
Hs.576397	25.01	chr1	N/A	3	47.10
SERTAD4	25.00	chr1	1q32.1-q41	45	158.71
PRM3	25.00	chr16	16p13.3	25	114.47
Hs.547907	25.00	chr11	N/A	3	44.09
KCNAB1	25.00	chr3	3q26.1	92	132.56
NUDCD1	24.99	chr8	8q23	124	69.43
CHST1	24.99	chr11	11p11.2	45	78.41
CEP120	24.99	chr5	5q23.2	52	101.15
C12orf49	24.99	chr12	12q24.22	39	87.80
Hs.650310	24.99	chr9	N/A	3	11.91

Hs.664591	24.99	chr5	N/A	7	112.37
Hs.563611	24.98	chr9	N/A	3	51.74
Hs.583145	24.98	chr7	N/A	3	24.83
RALGAPA2	24.98	chr20	20p11.22	89	106.89
TBX15	24.98	chr1	1p11.1	28	82.14
RINL	24.98	chr19	19q13.2	8	104.33
Hs.151274	24.98	chr10	N/A	18	57.48
NPHP1	24.98	chr2	2q13	61	77.09
Hs.543907	24.97	chr5	N/A	3	50.87
C1orf167	24.97	chr1	1p36.22	24	78.36
Hs.563597	24.97	chr9	N/A	3	39.24
Hs.576530	24.97	chr1	N/A	3	21.43
Hs.374124	24.97	chr1	N/A	4	32.15
Hs.741521	24.97	chr10	N/A	1	0.00
UNC80	24.96	chr2	2q35	74	383.81
Hs.608592	24.96	chr9	N/A	10	33.33
Hs.574268	24.96	chr15	N/A	3	43.05
Hs.633534	24.96	chr17	N/A	7	89.46
FRMD1	24.96	chr6	6q27	21	80.61
Hs.591763	24.96	chr5	N/A	1	0.00
Hs.667028	24.95	chr12	N/A	2	72.22
SPAG4	24.95	chr20	20q11.21	21	49.69
ASPA	24.95	chr17	17p13.3	40	151.14
LIN7C	24.95	chr11	11p14	57	123.08
SNAP25-AS1	24.95	chr20	20p12.2	9	36.66
KLHL26	24.94	chr19	19p13.11	28	76.07
CD300LF	24.94	chr17	17q25.1	30	174.76
CTDSPL2	24.94	chr15	15q15.3-q21.1	56	133.89
LOC392288	24.94	chr9	9p22.1	4	130.92
TLL2	24.93	chr10	10q23-q24	60	88.54
MSX2	24.93	chr5	5q35.2	62	237.64
Hs.541954	24.93	chr2	N/A	3	25.93
Hs.734306	24.92	chr4	N/A	7	59.51
UEVLD	24.92	chr11	11p15.1	49	79.06
PGLYRP4	24.92	chr1	1q21	38	148.03
FAM27E3	24.92	chr9	9q13	16	95.13
HHEX	24.91	chr10	10q23.33	35	74.87
MUC2	24.91	chr11	11p15.5	63	114.80
UGT2B11	24.91	chr4	4q13.2	18	53.41
Hs.419760	24.90	chr15	N/A	8	93.90
DPYD	24.90	chr1	1p22	59	112.49
Hs.597065	24.90	chr10	N/A	7	105.09
ANKRD52	24.90	chr12	12q13.3	15	128.20
ZNF347	24.90	chr19	19q13.42	37	134.21
GPR176	24.90	chr15	15q14-q15.1	31	141.12
DLK2	24.90	chr6	6p21.1	51	90.08
CHRNE	24.90	chr17	17p13.2	28	47.88
EYA1	24.89	chr8	8q13.3	35	94.36
C5	24.89	chr9	9q33-q34	44	126.87
Hs.583796	24.89	chr8	N/A	3	54.17
OR2G3	24.88	chr1	1q44	11	79.76
Hs.664812	24.88	chr9	N/A	7	129.77
Hs.569397	24.88	chr14	N/A	1	0.00
URB1	24.88	chr21	21q22.11	44	67.89
ZNF776	24.87	chr19	19q13.43	54	150.01
FAM83C	24.87	chr20	20q11.22	19	216.43
Hs.661554	24.87	chr4	N/A	1	0.00
EDA	24.87	chrX	Xq12-q13.1	82	98.25
ZNF668	24.86	chr16	16p11.2	36	99.68
Hs.572841	24.86	chr20	N/A	3	58.13
Hs.585586	24.86	chr12	N/A	10	15.77
Hs.621250	24.86	chr4	N/A	1	0.00
Hs.126521	24.86	chr20	N/A	15	83.73
RTDR1	24.85	chr22	22q11.2	38	158.53
Hs.539673	24.85	chr13	N/A	3	57.87
ITGAL	24.84	chr16	16p11.2	61	95.75

THEG	24.84	chr19	19p13.3	24	66.23
Hs.668698	24.84	chr16	N/A	1	0.00
NR5A1	24.84	chr9	9q33	25	104.14
EIF1B-AS1	24.83	chr3	3p22.1	12	49.16
Hs.13211	24.83	chr4	N/A	1	0.00
C21orf2	24.83	chr21	21q22.3	55	157.90
Hs.659189	24.83	chr2	N/A	2	94.12
TAF1B	24.82	chr2	2p25	46	131.74
Hs.126187	24.82	chr10	N/A	3	34.63
NPL	24.82	chr1	1q25	47	80.99
SLC16A4	24.82	chr1	1p13.3	43	87.35
AGRP	24.81	chr16	16q22	31	247.25
MYH13	24.81	chr17	17p13	21	103.83
SLC35G1	24.81	chr10	10q23.33	20	91.32
KLHL42	24.81	chr12	12p11.22	71	105.88
SAMD4B	24.81	chr19	19q13.2	41	112.80
Hs.149679	24.81	chr1	N/A	6	92.01
ACBD4	24.81	chr17	17q21.31	43	78.80
PDS5B	24.81	chr13	13q12.3	93	89.03
OR10V1	24.80	chr11	11q12.1	5	106.09
Hs.445277	24.80	chr2	N/A	3	61.18
Hs.619310	24.80	chr11	N/A	3	20.98
HIC1	24.80	chr17	17p13.3	41	115.50
RYR1	24.79	chr19	19q13.1	41	112.50
Hs.664993	24.79	chr12	N/A	1	0.00
RIMS4	24.79	chr20	20q13.12	33	77.69
LOC642452	24.79	chr16	16q24.3	3	61.30
CCT6B	24.78	chr17	17q12	27	60.04
Hs.657744	24.78	chr14	N/A	1	0.00
Hs.600402	24.78	chr3	N/A	7	75.82
NTF3	24.78	chr12	12p13	23	97.51
UTY	24.78	chrY	Yq11	63	144.95
PRDM8	24.78	chr4	4q21	26	98.82
KRTAP19-6	24.78	chr21	21q22.1	6	69.42
Hs.731879	24.78	chr14	N/A	8	102.15
MTM1	24.78	chrX	Xq28	52	108.45
Hs.594335	24.78	chr5	N/A	1	0.00
RBM41	24.78	chrX	Xq22.3	59	94.27
KCNK3	24.78	chr2	2p23	67	112.92
MYEOV	24.77	chr11	11q13	22	89.21
Hs.578408	24.77	chr15	N/A	3	10.07
THG1L	24.77	chr5	5q33.3	41	70.96
PRRG3	24.76	chrX	Xq28	21	54.95
HIVEP3	24.76	chr1	1p34	45	76.70
Hs.544145	24.76	chr5	N/A	3	34.99
CLSTN2	24.75	chr3	3q23	23	80.45
UVSSA	24.75	chr4	4p16.3	28	126.10
Hs.723307	24.75	chr5	N/A	3	13.60
PAX1	24.75	chr20	20p11.2	42	161.09
SHROOM1	24.75	chr5	5q31.1	45	78.98
PDP2	24.75	chr16	16q22.1	23	168.61
Hs.705718	24.74	chr6	N/A	7	129.48
LOC100294145	24.74	chr6	N/A	24	181.53
WDR25	24.74	chr14	14q32.2	38	86.27
Hs.593545	24.74	chr3	N/A	7	98.38
Hs.728418	24.74	chr6	N/A	10	36.03
Hs.540143	24.74	chr15	N/A	3	57.36
Hs.593565	24.73	chr19	N/A	7	68.39
Hs.540345	24.73	chr15	N/A	3	77.50
Hs.733841	24.73	chr7	N/A	7	65.50
Hs.611732	24.73	chr7	N/A	15	76.81
Hs.743754	24.73	chr1	N/A	11	48.91
ADAM8	24.72	chr10	10q26.3	35	67.64
ZDHHC1	24.72	chr16	16q22.1	23	141.25
HES5	24.72	chr1	1p36.32	17	72.36
Hs.549633	24.72	chr3	N/A	3	14.89

Hs.547797	24.72	chr8	N/A	3	65.83
SHPRH	24.72	chr6	6q24.3	64	156.61
Hs.447634	24.72	chr20	N/A	3	50.71
CDC20	24.72	chr1	1p34.1	26	54.10
BMP2KL	24.72	chrX	Xq13.2	3	4.27
EPHA1	24.72	chr7	7q34	42	196.79
LRRC38	24.71	chr1	1p36.21	26	162.15
KRT16	24.71	chr17	17q21.2	42	145.63
Hs.660190	24.71	chr9	N/A	2	3.13
MISP	24.71	chr19	19p13.3	23	79.68
BCAS3	24.71	chr17	17q23	62	95.98
Hs.565559	24.71	chr2	N/A	3	60.34
TMTC3	24.71	chr12	12q21.32	60	132.90
RNF25	24.70	chr2	2q35	28	87.75
Hs.589289	24.70	chr14	N/A	3	64.39
FREM2	24.69	chr13	13q13.3	14	173.64
TTY9B	24.69	chrY	Yq11.221	8	121.44
LOC100506014	24.69	chr2	N/A	11	80.14
Hs.185586	24.69	chr13	N/A	3	18.55
CCNO	24.69	chr5	5q11.2	40	263.71
LOC100130429	24.69	chr2	2p21	1	0.00
KIF3C	24.68	chr2	2p23	45	111.96
SLC27A5	24.68	chr19	19q13.43	29	65.31
Hs.492228	24.68	chr8	N/A	3	50.03
HS6ST2-AS1	24.68	chrX	N/A	3	6.30
VWA5B2	24.68	chr3	3q27.1	12	38.22
SLC4A7	24.68	chr3	3p22	67	130.85
TLL11-IT1	24.68	chr9	9q33.2	4	29.43
CBR3	24.68	chr21	21q22.2	40	94.61
Hs.659298	24.67	chr2	N/A	7	64.24
LOC100505547	24.67	chr3	N/A	7	91.21
HIP1	24.67	chr7	7q11.23	84	129.46
N4BP2L1	24.67	chr13	13q13.1	97	101.51
DBR1	24.66	chr3	3q22.3	39	47.98
SLC5A8	24.66	chr12	12q23.1	39	158.20
Hs.682511	24.66	chr1	N/A	1	0.00
Hs.664745	24.66	chrX	N/A	7	68.58
FAM126B	24.66	chr2	2q33.1	52	83.15
Hs.707150	24.66	chr1	N/A	7	72.69
CPZ	24.66	chr4	4p16.1	36	174.92
ZNF737	24.66	chr19	19p12	16	67.10
NPHS2	24.65	chr1	1q25.2	21	68.75
Hs.560110	24.65	chr12	N/A	10	224.27
C10orf12	24.65	chr10	10q24.1	69	98.79
LYZL2	24.65	chr10	10p11.23	32	129.70
Hs.181156	24.65	chr1	N/A	4	58.82
LOC100129516	24.65	chr3	3q29	16	94.50
CHODL	24.64	chr21	21q11.2	28	78.22
Hs.649388	24.64	chr14	N/A	7	69.12
Hs.689470	24.64	chr7	N/A	10	46.57
CRYGA	24.64	chr2	2q34	30	63.97
FIGNL1	24.63	chr7	7p12.1	40	127.56
Hs.163936	24.63	chr1	N/A	8	66.29
Hs.542575	24.63	chr21	N/A	3	43.61
TWIST1	24.63	chr7	7p21.2	45	138.38
MDGA2	24.63	chr14	14q21.3	24	255.88
Hs.245869	24.62	chr3	N/A	14	104.93
Hs.667791	24.62	chr11	N/A	7	43.77
Hs.676062	24.62	chr9	N/A	2	123.32
CTSE	24.61	chr1	1q31	48	66.83
CCDC77	24.61	chr12	12p13.33	26	69.76
Hs.565622	24.61	chr2	N/A	3	70.38
GATA3	24.61	chr10	10p15	54	134.27
Hs.543924	24.61	chr5	N/A	3	6.65
BMP6	24.60	chr6	6p24-p23	33	68.03
DONSON	24.60	chr21	21q22.1	41	71.61

Hs.577718	24.60	chr12	N/A	3	47.41
ADAMTS2	24.60	chr5	5qter	67	103.30
PSG6	24.60	chr19	19q13.2	57	141.18
LRRC37B	24.60	chr17	N/A	32	97.34
TBXAS1	24.60	chr7	7q34-q35	47	72.58
Hs.149779	24.60	chr2	N/A	5	87.04
SNHG12	24.60	chr1	1p35.3	34	64.01
DENND1C	24.59	chr19	19p13.3	28	180.15
Hs.597436	24.59	chr19	N/A	7	51.70
Hs.675739	24.59	chr11	N/A	1	0.00
Hs.436900	24.59	chrY	N/A	1	0.00
LOC654433	24.59	chr2	2q13	27	67.32
SLC8A2	24.59	chr19	19q13.3	33	201.05
ZNF34	24.58	chr8	8q24.3	28	64.57
CD33	24.58	chr19	19q13.3	37	91.35
YBX2	24.58	chr17	17p13.1	35	102.30
ETAA1	24.58	chr2	2p14	28	73.51
YDJC	24.57	chr22	22q11.21	15	53.45
IKZF4	24.57	chr12	12q13	48	111.24
RTN1	24.57	chr14	14q23.1	65	119.63
Hs.552423	24.57	chr17	N/A	3	50.01
TAPT1	24.57	chr4	4p15.32	55	118.17
SAMD12	24.57	chr8	8q24.12	39	162.88
AMICA1	24.56	chr11	11q23.3	36	63.01
Hs.734252	24.56	chr11	N/A	14	71.40
Hs.545434	24.56	chr11	N/A	8	16.65
GDF10	24.56	chr10	10q11.22	42	132.41
TTC7A	24.56	chr2	2p21	62	98.78
PADI2	24.56	chr1	1p36.13	52	113.38
ERF	24.56	chr19	19q13	47	92.13
TBC1D19	24.56	chr4	4p15.2	26	84.46
Hs.668022	24.55	chr3	N/A	2	76.80
Hs.7093	24.55	chr5	N/A	11	233.65
Hs.658776	24.55	chr2	N/A	1	0.00
Hs.545068	24.55	chr7	N/A	3	14.56
ST8SIA2	24.54	chr15	15q26	53	91.03
Hs.576431	24.54	chr1	N/A	3	49.27
GABRG2	24.54	chr5	5q34	54	136.34
PABPN1L	24.54	chr16	16q24.3	3	34.63
PEX26	24.54	chr22	22q11.21	47	103.27
SMIM5	24.54	chr17	17q25.1	15	92.39
Hs.550223	24.53	chr1	N/A	3	49.49
ELF3	24.53	chr1	1q32.2	55	122.70
CENPJ	24.53	chr13	13q12.12	51	140.06
FOXA2	24.53	chr20	20p11	75	311.24
KCNE1	24.53	chr21	21q22.12	41	65.74
Hs.542832	24.53	chr3	N/A	3	38.64
HCCAT5	24.53	chr16	16q22.3	1	0.00
LOC150568	24.52	chr2	2q12.1	10	126.75
Hs.18070	24.52	chr19	N/A	1	0.00
LHX3	24.52	chr9	9q34.3	33	157.21
Hs.655663	24.52	chr12	N/A	8	58.08
KLK14	24.52	chr19	19q13.3-q13.4	21	88.39
Hs.729105	24.51	chr14	N/A	7	30.42
C2orf44	24.51	chr2	2p23.3	35	96.93
CCNA2	24.51	chr4	4q27	141	227.62
Hs.565497	24.50	chr9	N/A	3	14.31
Hs.565491	24.50	chr2	N/A	3	42.00
CEP70	24.50	chr3	3q22.3	42	57.04
GGTLC3	24.50	chr22	22q11.21	2	75.31
Hs.580813	24.50	chr20	N/A	3	39.87
LINC00844	24.50	chr10	N/A	24	82.78
PNMA6A	24.50	chrX	Xq28	15	85.06
Hs.668067	24.50	chr2	N/A	3	72.71
SYP	24.50	chrX	Xp11.23-p11.22	30	122.65
Hs.634601	24.50	chr19	N/A	2	119.89

Hs.661764	24.49	chr3	N/A	8	98.10
Hs.734313	24.49	chr17	N/A	8	65.56
Hs.482589	24.49	chr12	N/A	3	51.24
Hs.592789	24.49	chr3	N/A	23	177.24
CEL	24.49	chr9	9q34.3	36	131.01
FAM83D	24.49	chr20	20q11.22-q12	26	155.00
SRGAP3	24.49	chr3	3p25.3	66	121.31
LCK	24.49	chr1	1p34.3	73	153.54
Hs.538368	24.49	chr10	N/A	3	57.55
Hs.565146	24.49	chr18	N/A	3	31.03
TTC30A	24.48	chr2	2q31.2	48	82.24
CELA2B	24.48	chr1	1p36.21	23	59.10
FAM3B	24.48	chr21	21q22.3	29	128.51
SEL1L3	24.48	chr4	4p15.2	58	118.96
BPIFA2	24.47	chr20	20q11.21	9	92.78
Hs.542865	24.47	chr3	N/A	3	95.27
DGCR9	24.46	chr22	22q11.21	14	100.02
Hs.682201	24.46	chr20	N/A	1	0.00
Hs.545257	24.46	chr8	N/A	3	24.90
Hs.539067	24.45	chr11	N/A	13	44.98
Hs.369792	24.45	chr16	N/A	3	18.14
Hs.537922	24.45	chr1	N/A	3	40.77
RYR3	24.45	chr15	15q14-q15	46	159.23
PDE7B	24.45	chr6	6q23-q24	36	156.02
ZC3H10	24.44	chr12	12q13.2	27	92.92
Hs.658919	24.44	chr3	N/A	19	99.43
Hs.566821	24.44	chr8	N/A	3	47.83
DDX58	24.44	chr9	9p12	46	90.76
PITPNM2	24.44	chr12	12q24.31	31	69.20
Hs.61648	24.44	chr20	N/A	11	93.50
FAM185A	24.43	chr7	7q22.1	34	84.90
PCDHB14	24.43	chr5	5q31	24	59.66
AFAP1L2	24.43	chr10	10q25.3	39	120.64
TRPV1	24.43	chr17	17p13.2	43	60.50
RBBP5	24.43	chr1	1q32	45	99.73
ST14	24.43	chr11	11q24-q25	40	91.42
Hs.669132	24.42	chr22	N/A	1	0.00
TRIM52	24.42	chr5	5q35.3	16	66.16
Hs.732931	24.42	chr17	N/A	14	152.70
LILRB4	24.42	chr19	19q13.4	33	62.24
Hs.549966	24.42	chr20	N/A	3	25.75
Hs.634435	24.42	chr13	N/A	7	50.44
KIRREL	24.41	chr1	1q21-q25	36	57.70
Hs.576271	24.41	chr1	N/A	3	20.48
Hs.480375	24.41	chr4	N/A	3	29.47
Hs.544943	24.41	chr7	N/A	3	38.79
Hs.662144	24.40	chr3	N/A	2	68.42
KIAA1024	24.40	chr15	15q25.1	20	137.80
NCAN	24.40	chr19	19p12	37	105.75
NOL10	24.39	chr2	2p25.1	49	155.83
DRD2	24.39	chr11	11q23	72	104.13
Hs.520804	24.39	chr7	N/A	11	123.38
MAD2L1	24.39	chr4	4q27	34	120.03
Hs.658775	24.39	chr11	N/A	3	80.75
GLP1R	24.39	chr6	6p21	50	148.99
Hs.363526	24.38	chr8	N/A	21	72.19
LY6G5C	24.38	chr6	6p21.33	37	65.92
TCERG1L	24.38	chr10	10q26.3	41	233.85
IKBKE	24.38	chr1	1q32.1	28	89.85
Hs.734097	24.38	chr11	N/A	7	122.77
Hs.666004	24.38	chr2	N/A	1	0.00
HELQ	24.38	chr4	4q21.23	50	66.44
Hs.665175	24.38	chr1	N/A	1	0.00
WDR20	24.37	chr14	14q32.31	68	108.81
Hs.540505	24.37	chr16	N/A	3	51.48
C19orf71	24.37	chr19	19p13.3	9	222.77

Hs.562277	24.36	chr10	N/A	3	52.79
GLIS3	24.36	chr9	9p24.2	60	124.87
Hs.667011	24.36	chr12	N/A	7	83.56
Hs.663669	24.36	chr2	N/A	1	0.00
Hs.707282	24.36	chr9	N/A	7	45.00
TNP1	24.36	chr2	2q35-q36	28	131.46
LOC100270804	24.35	chr20	20p11.23	1	0.00
Hs.615573	24.35	chr7	N/A	3	32.88
Hs.561021	24.35	chr21	N/A	7	57.32
Hs.389223	24.35	chrX	N/A	10	70.66
Hs.732602	24.35	chr13	N/A	8	70.23
Hs.734956	24.35	chr3	N/A	1	0.00
Hs.158189	24.35	chr7	N/A	3	29.32
Hs.657800	24.34	chr8	N/A	8	53.46
Hs.609881	24.34	chr19	N/A	3	77.60
LOC440934	24.34	chr2	2q36.1	41	65.83
FCHO2	24.34	chr5	5q13.2	50	137.35
Hs.112582	24.34	chr21	N/A	10	92.90
Hs.270435	24.34	chr19	N/A	7	46.30
N4BP2	24.34	chr4	4p14	41	138.97
ABCG4	24.33	chr11	11q23.3	21	92.35
HEPACAM	24.33	chr11	11q24.2	38	179.06
KIAA1217	24.33	chr10	10p12.31	83	118.07
TRMT44	24.33	chr4	4p16.1	65	92.61
Hs.570999	24.33	chr5	N/A	13	256.35
Hs.728920	24.33	chr15	N/A	7	43.58
GDF11	24.33	chr12	12q13.2	51	138.60
Hs.575825	24.32	chr1	N/A	5	87.63
RCE1	24.32	chr11	11q13	40	88.95
Hs.664552	24.32	chr10	N/A	1	0.00
HCAR2	24.32	chr12	12q24.31	20	43.37
PDE6G	24.32	chr17	17q25	30	151.80
LOC100507403	24.32	chr8	N/A	1	0.00
TTY5	24.31	chrY	Yq11.223	22	174.96
C3orf67	24.31	chr3	3p14.2	20	172.65
Hs.661288	24.31	chr15	N/A	5	85.69
CACNA1G-AS1	24.30	chr17	17q21.33	4	46.90
Hs.744106	24.30	chr20	N/A	8	63.94
Hs.540911	24.30	chr17	N/A	3	73.42
RMI1	24.30	chr9	9q21.32	34	68.49
MEGF6	24.30	chr1	1p36.3	45	110.02
CLEC1A	24.29	chr12	12p13.2	28	95.24
Hs.580085	24.29	chr2	N/A	3	43.92
FOXRED2	24.29	chr22	22q12.3	36	87.80
Hs.552297	24.29	chr1	N/A	3	75.38
IL17RA	24.29	chr22	22q11.1	62	85.89
Hs.668075	24.28	chr3	N/A	2	2.50
WHSC1	24.28	chr4	4p16.3	133	83.14
PAK1	24.28	chr11	11q13-q14	40	104.07
Hs.542312	24.28	chr20	N/A	3	6.92
CA12	24.28	chr15	15q22	95	168.53
Hs.340072	24.28	chr1	N/A	5	80.38
Hs.703047	24.28	chr6	N/A	5	82.02
SCUBE3	24.27	chr6	6p21.3	63	84.49
LOC100129502	24.27	chr15	15q26.1	25	100.30
DCBLD1	24.27	chr6	6q22.1	59	131.40
Hs.573502	24.27	chr9	N/A	3	15.69
PLA2G12B	24.27	chr10	10q22.1	27	122.75
Hs.564678	24.27	chr14	N/A	3	55.73
Hs.540858	24.26	chr17	N/A	6	71.27
Hs.147540	24.26	chr14	N/A	3	27.95
CYP2D6	24.26	chr22	22q13.1	64	93.57
ZNF589	24.26	chr3	3p21	66	87.92
CTTNBP2	24.26	chr7	7q31	22	253.46
Hs.545028	24.25	chr7	N/A	3	13.86
METTL6	24.25	chr3	3p25.1	24	58.76

Hs.437395	24.25	chr11	N/A	3	24.23
Hs.400432	24.25	chr13	N/A	1	0.00
KCTD18	24.25	chr2	2q33.1	34	96.07
Hs.582446	24.24	chr5	N/A	3	80.50
CRYAA	24.24	chr21	21q22.3	49	139.85
CD2	24.24	chr1	1p13.1	30	53.62
AUNIP	24.24	chr1	1p36.11	22	99.43
PCDHB5	24.24	chr5	5q31	22	97.49
EML4	24.24	chr2	2p21	62	91.17
PMS1	24.23	chr2	2q31.1	60	100.56
Hs.127180	24.23	chr6	N/A	3	13.73
Hs.376403	24.22	chr10	N/A	3	12.65
Hs.737697	24.22	chr3	N/A	3	51.02
SPA17	24.22	chr11	11q24.2	35	75.54
RHOBTB1	24.22	chr10	10q21.2	39	161.53
Hs.670566	24.22	chrX	N/A	11	36.71
ZNF23	24.21	chr16	16q22.2	55	123.23
Hs.529584	24.21	chr7	N/A	7	116.58
OR11L1	24.20	chr1	1q44	8	90.05
KY	24.20	chr3	3q22.2	17	78.68
Hs.481068	24.20	chr4	N/A	18	132.50
TLCD2	24.20	chr17	17p13.3	30	125.41
Hs.710898	24.20	chr12	N/A	3	35.72
Hs.531217	24.20	chr5	N/A	7	116.83
CASP10	24.19	chr2	2q33-q34	81	118.20
Hs.658807	24.19	chr15	N/A	1	0.00
ANKFN1	24.19	chr17	17q22	30	350.41
SCLY	24.19	chr2	2q37.3	69	101.93
Hs.663384	24.18	chr8	N/A	1	0.00
Hs.441416	24.18	chr7	N/A	3	41.37
SLMO1	24.18	chr18	18p11.21	37	100.07
Hs.132293	24.18	chr9	N/A	5	67.69
DTWD1	24.18	chr15	15q21.2	162	82.91
CYP20A1	24.18	chr2	2q33.2	56	117.62
Hs.446495	24.17	chr11	N/A	2	45.68
ZNF225	24.17	chr19	19q13.2	21	67.98
EPHB6	24.17	chr7	7q33-q35	37	77.31
ALDH1A3	24.17	chr15	15q26.3	43	149.24
FFAR4	24.17	chr10	10q23.33	36	122.05
AQP12B	24.16	chr2	2q37.3	11	37.54
Hs.735804	24.16	chr16	N/A	3	50.41
CX3CR1	24.15	chr3	3p21.3	34	91.08
STARD9	24.14	chr15	15q15.2	18	109.20
Hs.731678	24.14	chr9	N/A	7	52.03
BARHL2	24.14	chr1	1p22.2	16	229.41
VAMP1	24.14	chr12	12p	51	170.40
IFNA4	24.13	chr9	9p22	26	72.35
CYP2A13	24.13	chr19	19q13.2	30	96.40
Hs.668463	24.13	chr17	N/A	12	51.53
TMEM144	24.13	chr4	4q32.1	42	121.60
Hs.566401	24.13	chr5	N/A	3	64.49
TSGA13	24.12	chr7	7q32	21	157.30
RNF24	24.12	chr20	20p13	47	96.60
Hs.541084	24.12	chr18	N/A	3	15.99
Hs.656035	24.12	chr15	N/A	3	5.16
HGSNAT	24.12	chr8	8p11.1	91	96.66
Hs.665725	24.12	chr3	N/A	5	38.61
ZNF239	24.11	chr10	10q11.22-q11.23	28	102.49
EXOC6B	24.11	chr2	2p13.2	46	108.85
KIAA0922	24.11	chr4	4q31.3	60	125.17
CENPQ	24.11	chr6	6p12.3	118	42.98
Hs.132894	24.11	chr13	N/A	1	0.00
CLN8	24.11	chr8	8p23	94	105.14
CCDC13	24.10	chr3	3p22.1	27	240.19
Hs.731861	24.10	chr18	N/A	1	0.00
HTR6	24.10	chr1	1p36-p35	24	124.59

Hs.173134	24.10	chr9	N/A	21	80.35
DCP2	24.10	chr5	5q22.2	74	92.06
PCDHGA12	24.09	chr5	5q31	3	6.25
CCDC114	24.09	chr19	19q13.33	20	130.46
Hs.733526	24.09	chr11	N/A	1	0.00
C9orf156	24.09	chr9	9q22.33	48	110.53
DENND1A	24.09	chr9	9q33.3	62	98.54
MGAT3	24.09	chr22	22q13.1	64	87.57
CHML	24.08	chr1	1q42-qter	59	98.74
Hs.678564	24.08	chr13	N/A	1	0.00
Hs.595563	24.08	chr12	N/A	7	125.75
Hs.664291	24.08	chr9	N/A	1	0.00
Hs.564587	24.08	chr13	N/A	3	55.48
Hs.600626	24.08	chr10	N/A	7	110.54
Hs.540828	24.07	chr17	N/A	3	45.66
Hs.541883	24.07	chr2	N/A	3	67.32
Hs.465918	24.07	chr19	N/A	2	104.88
Hs.651969	24.07	chr8	N/A	3	8.27
ZKSCAN5	24.07	chr7	7q22	58	112.59
BHMT2	24.06	chr5	5q13	66	77.65
ARHGAP15	24.06	chr2	2q22.2-q22.3	49	120.06
LOC100270746	24.06	chr6	6p22.2	17	61.70
Hs.545364	24.06	chr8	N/A	3	18.63
Hs.162649	24.06	chr5	N/A	3	37.92
Hs.368560	24.06	chr11	N/A	3	46.15
LINGO3	24.06	chr19	19p13.3	2	115.89
Hs.604097	24.05	chr15	N/A	7	76.55
Hs.579564	24.05	chr18	N/A	3	63.74
Hs.579245	24.04	chr17	N/A	7	83.31
Hs.543151	24.04	chr3	N/A	3	20.21
DEFB131	24.04	chr4	4p16.1	6	42.17
PIK3R5	24.04	chr17	17p13.1	40	88.21
TBC1D12	24.04	chr10	10q23.33	50	133.32
MFAP2	24.04	chr1	1p36.1-p35	36	82.26
SMPD3	24.04	chr16	16q22.1	49	187.77
Hs.667797	24.04	chr2	N/A	15	109.56
Hs.664154	24.03	chr15	N/A	7	30.47
LOC254128	24.03	chr2	2q14.2	12	44.11
Hs.633089	24.03	chr1	N/A	1	0.00
SNHG11	24.03	chr20	20q11.23	23	98.18
CCDC94	24.02	chr19	19p13.3	30	150.22
REG1B	24.01	chr2	2p12	31	71.39
WNT11	24.01	chr11	11q13.5	58	72.39
Hs.574095	24.01	chr13	N/A	3	55.10
FAT2	24.01	chr5	5q33.1	30	100.70
AFP	24.00	chr4	4q13.3	37	96.13
Hs.708281	24.00	chr12	N/A	7	58.91
ADAM7	24.00	chr8	8p21.2	39	142.56
Hs.519180	23.99	chr5	N/A	1	0.00
Hs.666172	23.99	chr4	N/A	14	83.27
LRRRC8B	23.99	chr1	1p22.2	76	156.60
Hs.677245	23.99	chr15	N/A	11	47.96
LINC00313	23.99	chr21	21q22.3	25	109.41
GRM7	23.98	chr3	3p26.1-p25.1	62	337.21
BBS10	23.98	chr12	12q21.2	28	46.77
Hs.736015	23.98	chr20	N/A	1	0.00
FAM188B	23.98	chr7	7p14.3	17	87.03
CEACAM4	23.98	chr19	19q13.2	30	105.37
Hs.596737	23.98	chr13	N/A	3	41.59
LOC649238	23.97	chrX	Xq28	3	50.90
CACNA2D2	23.97	chr3	3p21.3	38	85.49
Hs.570353	23.97	chr20	N/A	3	22.23
Hs.406371	23.96	chr9	N/A	11	50.23
Hs.575831	23.96	chr1	N/A	3	81.80
Hs.575789	23.96	chr1	N/A	3	16.12
ZDHC18	23.96	chr1	1p36.11	42	99.87

EPG5	23.96	chr18	18q12.3	79	86.63
PLXNC1	23.96	chr12	12q23.3	100	195.42
HIST3H2BB	23.96	chr1	1q42.13	27	65.89
Hs.664728	23.96	chr14	N/A	7	48.79
Hs.309467	23.95	chr17	N/A	10	56.02
HSPA4L	23.95	chr4	4q28	43	92.29
ADAMTS13	23.95	chr9	9q34	67	110.92
DLG3	23.95	chrX	Xq13.1	75	72.36
KIR3DL1	23.95	chr19	19q13.4	29	109.91
RFC2	23.95	chr7	7q11.23	38	49.67
FJX1	23.95	chr11	11p13	28	90.98
GAREML	23.95	chr2	2p23.3	17	68.10
Hs.663336	23.94	chr12	N/A	1	0.00
LOC100131650	23.94	chr17	17q21.31	2	98.67
LDLRAP1	23.94	chr1	1p36-p35	43	94.01
Hs.668411	23.94	chr15	N/A	2	107.81
Hs.536664	23.94	chr3	N/A	4	42.02
Hs.744568	23.94	chr19	N/A	9	41.91
ANKRD16	23.94	chr10	10p15.1	31	66.32
GRPR	23.94	chrX	Xp22.2	46	107.92
Hs.547259	23.94	chr1	N/A	3	41.38
Hs.597061	23.94	chr6	N/A	7	97.52
Hs.28360	23.93	chr19	N/A	8	100.18
SLC22A6	23.93	chr11	11q12.3	38	108.45
Hs.630929	23.93	chr8	N/A	10	26.15
Hs.565838	23.93	chr3	N/A	3	31.81
Hs.650491	23.93	chr9	N/A	1	0.00
TTC12	23.93	chr11	11q23.2	40	69.18
Hs.354827	23.93	chr9	N/A	3	29.56
Hs.10319	23.93	chr20	N/A	1	0.00
AURKC	23.93	chr19	19q13.43	36	177.79
SYNGR3	23.93	chr16	16p13	30	182.65
MYO19	23.92	chr17	17q12	55	71.86
Hs.383601	23.92	chr1	N/A	6	55.77
Hs.597306	23.91	chr10	N/A	7	80.34
Hs.160960	23.91	chr1	N/A	3	60.90
P4HA3	23.91	chr11	11q13.4	32	170.60
Hs.656283	23.91	chr4	N/A	7	62.85
Hs.580577	23.91	chr2	N/A	3	44.03
SP140	23.90	chr2	2q37.1	46	83.63
DCLRE1C	23.90	chr10	10p13	81	109.07
Hs.654746	23.90	chr11	N/A	27	116.20
CCDC176	23.90	chr14	14q24.3	43	84.54
THAP8	23.90	chr19	19q13.12	41	98.21
Hs.537061	23.90	chr1	N/A	3	46.06
Hs.575829	23.89	chr1	N/A	3	24.00
TRAV8-3	23.89	chr14	14q11	5	53.19
Hs.593529	23.89	chr15	N/A	14	79.14
ATP6V0D2	23.89	chr8	N/A	52	191.26
C5orf54	23.89	chr5	5q33.3	40	105.67
Hs.680349	23.89	chr8	N/A	10	26.55
CCDC71	23.89	chr3	3p21.31	35	142.28
Hs.638240	23.89	chr17	N/A	8	12.34
Hs.592544	23.89	chr16	N/A	21	156.81
BAIAP2	23.88	chr17	17q25	92	108.33
NEUROG3	23.88	chr10	10q21.3	23	153.35
Hs.732502	23.88	chr3	N/A	8	93.47
Hs.436899	23.87	chr19	N/A	11	35.20
Hs.579537	23.87	chr18	N/A	3	81.90
Hs.542096	23.87	chr2	N/A	3	28.54
Hs.601156	23.87	chr17	N/A	3	68.41
SRCIN1	23.87	chr17	17q12	33	100.40
Hs.334018	23.87	chr18	N/A	3	74.24
PRAME	23.87	chr22	22q11.22	46	110.42
BRWD1-IT2	23.86	chr21	21q22.2	31	85.12
ITGBL1	23.86	chr13	13q33	77	123.87

FAM46D	23.86	chrX	Xq21.1	19	166.39
Hs.613914	23.86	chr3	N/A	2	105.62
Hs.616655	23.86	chr4	N/A	3	45.14
Hs.364622	23.86	chr17	N/A	3	78.83
Hs.668451	23.86	chr17	N/A	7	77.83
ZNF717	23.86	chr3	3p12.3	5	47.25
Hs.641183	23.86	chr17	N/A	3	42.59
PGR	23.86	chr11	11q22-q23	63	135.14
NLRP14	23.86	chr11	11p15.4	21	82.21
NPFF	23.85	chr12	12q13.13	47	85.79
Hs.609547	23.85	chr2	N/A	1	0.00
VSTM2B	23.85	chr19	19q12	2	123.84
Hs.560578	23.85	chr18	N/A	3	51.59
TMEM120B	23.84	chr12	12q24.31	5	33.17
Hs.499399	23.84	chr10	N/A	3	7.20
LOC100130071	23.84	chr1	1p36.31	10	232.33
Hs.552332	23.83	chr10	N/A	3	50.92
PRDM5	23.83	chr4	4q25-q26	24	209.55
ATXN8OS	23.83	chr13	13q21	13	80.81
Hs.731945	23.83	chr15	N/A	8	56.09
MYO5A	23.83	chr15	15q21	63	127.99
FBXO4	23.82	chr5	5p12	53	86.62
MAGI3	23.82	chr1	1p12-p11.2	54	175.74
SLC35C2	23.82	chr20	20q13.12	42	82.55
SLAMF9	23.81	chr1	1q23.2	23	77.47
Hs.51649	23.80	chr9	N/A	14	222.50
Hs.662346	23.80	chr10	N/A	1	0.00
Hs.660815	23.80	chr9	N/A	3	55.48
Hs.563267	23.80	chr5	N/A	3	43.87
CC2D1A	23.79	chr19	19p13.12	62	111.94
Hs.601059	23.79	chr12	N/A	7	69.40
L3MBTL3	23.79	chr6	6q23	46	154.28
VSX1	23.79	chr20	20p11.21	33	112.09
Hs.144041	23.79	chr22	N/A	5	49.21
BPIFA1	23.79	chr20	20q11.2	28	191.36
VNN2	23.78	chr6	6q23-q24	34	95.93
LPCAT2	23.78	chr16	16q12.2	60	128.73
SYN2	23.78	chr3	3p25	76	117.11
TMTC2	23.77	chr12	12q21.31	27	65.88
RHPN1-AS1	23.77	chr8	8q24	21	132.24
HEXDC	23.77	chr17	17q25.3	22	95.71
BCORL1	23.77	chrX	Xq25-q26.1	41	77.40
SNORD22	23.77	chr11	11q13	12	41.61
OR4C11	23.77	chr11	11q11	8	130.54
OVGP1	23.76	chr1	1p13	28	74.53
Hs.403451	23.75	chr9	N/A	3	28.08
Hs.542731	23.75	chr22	N/A	3	66.45
Hs.555184	23.75	chr16	N/A	5	78.59
ZBTB2	23.75	chr6	6q25.1	36	118.01
NUP62CL	23.75	chrX	Xq22.3	22	155.76
Hs.119225	23.75	chr2	N/A	10	64.78
USP40	23.74	chr2	2q37.1	43	71.83
Hs.514958	23.74	chr18	N/A	3	42.27
Hs.146864	23.74	chr4	N/A	10	107.03
DNM1	23.74	chr9	9q34	40	55.09
Hs.731689	23.74	chr12	N/A	12	92.23
KCNT1	23.74	chr9	9q34.3	15	127.77
DUSP15	23.73	chr20	20q11.21	23	66.91
Hs.170894	23.73	chr6	N/A	3	28.73
AHSG	23.73	chr3	3q27	45	75.43
Hs.540805	23.73	chr17	N/A	3	61.16
CCL1	23.73	chr17	17q12	30	239.69
Hs.436763	23.73	chr5	N/A	3	59.55
BMP10	23.72	chr2	2p13.3	23	56.99
Hs.154513	23.72	chr19	N/A	5	56.15
REG1A	23.72	chr2	2p12	30	71.06

CFHR2	23.72	chr1	1q31.3	22	139.80
Hs.36808	23.72	chr21	N/A	10	126.71
Hs.656284	23.72	chr1	N/A	8	99.01
KRTAP19-1	23.72	chr21	21q22.1	41	76.26
TMTC4	23.71	chr13	13q32.3	44	97.76
BCAN	23.71	chr1	1q31	79	154.11
ZBTB40	23.71	chr1	1p36	63	125.00
Hs.666617	23.71	chr11	N/A	7	91.96
Hs.584254	23.71	chr9	N/A	3	36.57
ROPN1B	23.71	chr3	3q21.2	28	65.63
S100A3	23.71	chr1	1q21	30	105.61
Hs.659855	23.71	chr11	N/A	3	97.40
Hs.700766	23.71	chr3	N/A	7	50.43
LINC00622	23.71	chr1	1p12	25	108.66
RXRG	23.70	chr1	1q22-q23	38	102.37
Hs.730028	23.70	chr16	N/A	8	13.72
Hs.542481	23.70	chr17	N/A	3	48.30
Hs.658452	23.70	chr3	N/A	7	69.56
Hs.445436	23.70	chr15	N/A	7	31.13
PLXNA4	23.69	chr7	7q32.3	67	172.92
Hs.544692	23.69	chr6	N/A	3	46.29
Hs.604563	23.69	chr4	N/A	7	89.93
Hs.670407	23.68	chr2	N/A	12	39.55
SYNJ2	23.68	chr6	6q25.3	78	117.20
SPDL1	23.68	chr5	5q35.1	124	145.57
SOCS7	23.68	chr17	17q12	59	176.51
FAM84B	23.68	chr8	8q24.21	62	143.29
Hs.540776	23.67	chr17	N/A	3	65.27
Hs.213954	23.67	chr2	N/A	3	51.25
NFE2L3	23.67	chr7	7p15.2	56	123.40
Hs.348477	23.66	chr4	N/A	3	44.80
G2E3	23.66	chr14	14q12	63	147.25
Hs.660251	23.66	chr17	N/A	7	50.63
SYT3	23.66	chr19	19q13.33	21	66.64
MFSD2A	23.65	chr1	1p34.2	63	79.62
Hs.575608	23.65	chr8	N/A	3	77.13
Hs.634097	23.65	chr1	N/A	3	56.88
Hs.233120	23.65	chr6	N/A	1	0.00
PRDM10	23.65	chr11	11q25	38	88.24
CACNA1A	23.65	chr19	19p13	53	197.69
PPP2R2C	23.65	chr4	4p16.1	64	83.74
SFTPA2	23.65	chr10	10q22.3	44	264.39
SLC7A4	23.65	chr22	22q11.21	33	98.13
LOC100128822	23.65	chr7	7q36.1	28	88.54
ZNF501	23.64	chr3	3p21.31	34	178.73
XAGE-4	23.64	chrX	Xp11.21	17	185.95
Hs.694901	23.64	chr10	N/A	17	166.39
CCNJ	23.64	chr10	10q23.33	40	132.14
Hs.633322	23.63	chr7	N/A	12	120.77
STMN4	23.63	chr8	8p21.2	28	96.58
Hs.602000	23.63	chr11	N/A	10	42.92
HPS4	23.62	chr22	22cen-q12.3	69	69.81
Hs.655765	23.62	chr3	N/A	8	69.70
Hs.545887	23.62	chr9	N/A	10	79.60
RNF215	23.62	chr22	22q12.2	26	87.98
GDPD3	23.62	chr16	16p11.2	31	87.89
Hs.734454	23.62	chr22	N/A	1	0.00
Hs.571223	23.62	chr7	N/A	7	66.04
Hs.662510	23.62	chr2	N/A	7	57.87
Hs.735318	23.61	chr22	N/A	1	0.00
TAF8	23.61	chr6	6p21.1	53	75.45
PRKX	23.61	chrX	Xp22.3	50	59.43
CXCL9	23.61	chr4	4q21	30	78.50
Hs.543343	23.61	chr4	N/A	3	61.83
Hs.661459	23.61	chr3	N/A	7	45.62
Hs.526948	23.61	chr6	N/A	22	98.62

SEBOX	23.61	chr17	17q11.2	7	63.70
ZWINT	23.61	chr10	10q21-q22	39	86.58
Hs.601090	23.60	chr22	N/A	7	68.34
CEACAM21	23.60	chr19	19q13.2	29	93.65
GJD2	23.60	chr15	15q14	21	127.04
Hs.584492	23.60	chrX	N/A	3	59.34
Hs.579351	23.59	chr17	N/A	3	22.79
LOC400548	23.59	chr16	16q24.1	1	0.00
Hs.742368	23.59	chr21	N/A	3	61.89
Hs.565704	23.59	chr20	N/A	3	31.01
FUT9	23.59	chr6	6q16	78	562.00
Hs.540709	23.59	chr17	N/A	3	29.03
Hs.562639	23.59	chr16	N/A	3	7.87
Hs.528513	23.59	chr20	N/A	7	54.21
Hs.640131	23.59	chr5	N/A	3	32.00
Hs.232417	23.58	chrX	N/A	11	84.65
KCNIP3	23.58	chr2	2q21.1	34	99.94
AGPAT6	23.58	chr8	8p11.21	45	78.56
Hs.293427	23.58	chr10	N/A	3	9.85
Hs.733735	23.58	chr6	N/A	7	192.86
Hs.734336	23.58	chr4	N/A	3	32.75
Hs.281940	23.57	chr7	N/A	3	28.13
Hs.188319	23.57	chr1	N/A	3	70.03
CDCA4	23.57	chr14	14q32.33	49	105.42
GORAB	23.57	chr1	1q24.2	29	68.45
LECT1	23.56	chr13	13q14.3	33	95.98
Hs.594722	23.56	chr12	N/A	7	62.04
Hs.663953	23.56	chr16	N/A	1	0.00
Hs.560020	23.56	chr12	N/A	3	21.81
GFRA1	23.56	chr10	10q26.11	86	127.04
Hs.541075	23.56	chr18	N/A	3	42.89
MK167	23.56	chr10	10q26.2	54	134.65
TTYH1	23.56	chr19	19q13.4	41	92.80
Hs.633573	23.56	chr10	N/A	3	66.53
TRAF2	23.56	chr9	9q34	39	75.97
NEDD4	23.55	chr15	15q	46	84.77
JPX	23.55	chrX	Xq13.2	17	39.14
THAP3	23.55	chr1	1p36.31	50	99.28
GABRQ	23.54	chrX	Xq28	31	125.57
LRRC58	23.54	chr3	3q13.33	38	98.80
Hs.551379	23.54	chr18	N/A	3	40.33
ESPN	23.54	chr1	1p36.31	32	100.78
TC2N	23.54	chr14	14q32.12	47	158.59
GPR183	23.54	chr13	13q32.3	33	83.03
Hs.639486	23.54	chr12	N/A	3	61.23
Hs.239108	23.54	chr19	N/A	18	66.34
WDR43	23.53	chr2	2p23.2	27	48.54
Hs.539233	23.53	chr12	N/A	3	53.10
ROPN1	23.53	chr3	3q21.1	23	59.46
PEX11A	23.52	chr15	15q26.1	42	69.59
Hs.707362	23.52	chr2	N/A	10	117.53
ZNF84	23.52	chr12	12q24.33	28	79.30
Hs.595634	23.51	chr10	N/A	7	80.54
Hs.668115	23.51	chr3	N/A	2	65.66
Hs.745042	23.51	chr7	N/A	6	45.45
Hs.655632	23.51	chr9	N/A	8	40.07
Hs.665683	23.51	chr1	N/A	1	0.00
Hs.581735	23.51	chr4	N/A	3	32.83
Hs.607058	23.51	chr8	N/A	1	0.00
EXOC8	23.51	chr1	1q42.2	26	62.93
CACNB1	23.51	chr17	17q21-q22	80	80.77
RIPK3	23.50	chr14	14q11.2	26	80.18
Hs.657662	23.50	chr5	N/A	8	107.69
Hs.585204	23.50	chr15	N/A	1	0.00
BTBD9	23.50	chr6	6p21	89	150.00
Hs.173727	23.50	chr11	N/A	4	63.86

Hs.594762	23.50	chr2	N/A	1	0.00
GCGR	23.50	chr17	17q25	30	247.03
RNF144A-AS1	23.50	chr2	2p25.2	3	112.19
BEST1	23.50	chr11	11q13	37	99.87
TLR4	23.49	chr9	9q33.1	64	83.92
KRBOX4	23.49	chrX	Xp11.3	49	63.27
Hs.655535	23.49	chr1	N/A	1	0.00
NSD1	23.49	chr5	5q35	76	80.22
Hs.377508	23.49	chr4	N/A	17	145.40
PLGLB1	23.49	chr2	2p11.2	50	97.75
SDC1	23.48	chr2	2p24.1	55	101.76
FAM81B	23.48	chr5	5q15	21	56.14
Hs.661952	23.48	chr1	N/A	1	0.00
LOC100507316	23.48	chr8	N/A	7	51.99
SLCO5A1	23.48	chr8	8q13.3	21	114.38
DACT2	23.47	chr6	6q27	14	107.89
RARG	23.47	chr12	12q13	54	87.05
STX1A	23.47	chr7	7q11.23	50	81.21
MB21D2	23.47	chr3	3q29	29	112.84
Hs.624336	23.46	chr18	N/A	10	32.95
Hs.130477	23.46	chr2	N/A	7	138.62
Hs.337087	23.46	chr9	N/A	3	59.81
CCL4	23.46	chr17	17q12	23	89.67
Hs.599622	23.46	chr10	N/A	7	163.94
KCNJ9	23.45	chr1	1q23.2	23	131.45
KIF9-AS1	23.45	chr3	3p21.31	11	42.29
Hs.644678	23.44	chr3	N/A	4	28.76
Hs.540460	23.44	chr16	N/A	3	33.07
C6orf226	23.44	chr6	6p21.1	11	44.28
GYPB	23.44	chr4	4q31.21	79	115.30
OR13F1	23.44	chr9	9q31.1	5	102.25
Hs.564402	23.44	chr12	N/A	3	56.57
Hs.667369	23.43	chr1	N/A	7	47.51
CALML4	23.43	chr15	15q23	38	108.22
CEP78	23.43	chr9	9q21.2	21	99.43
Hs.720945	23.43	chr20	N/A	7	57.11
SLC6A18	23.43	chr5	5p15.33	24	67.80
AMN	23.43	chr14	14q32.3	65	149.81
Hs.538626	23.43	chr10	N/A	3	23.86
GJD4	23.42	chr10	10p11.21	29	190.00
TP53	23.42	chr17	17p13.1	71	130.61
TMEM87B	23.41	chr2	2q13	46	147.79
Hs.538181	23.41	chr1	N/A	3	63.68
APLP1	23.41	chr19	19q13.1	31	118.92
IREB2	23.40	chr15	15q25.1	69	141.30
XRCC3	23.40	chr14	14q32.3	30	158.23
ATG10	23.40	chr5	5q14.1	61	119.34
CTXN1	23.40	chr19	19p13.2	34	121.53
OR7E24	23.40	chr19	19p13.2	23	74.60
SLAMF8	23.39	chr1	1q23.2	33	112.62
TWIST2	23.39	chr2	2q37.3	30	65.67
OR6M1	23.39	chr11	11q24.1	15	52.69
Hs.580169	23.39	chr2	N/A	3	45.33
Hs.572594	23.39	chr19	N/A	3	17.14
LOC100996549	23.38	chr2	N/A	4	53.02
Hs.648736	23.38	chr10	N/A	1	0.00
HIST1H4H	23.38	chr6	6p22.1	37	80.15
LOC100131004	23.38	chr17	17q24.1	2	107.34
Hs.190261	23.38	chr8	N/A	7	60.67
FRMD4B	23.38	chr3	3p14.1	64	242.64
Hs.729054	23.38	chr14	N/A	7	61.41
Hs.541717	23.38	chr2	N/A	3	64.47
C10orf91	23.38	chr10	10q26.3	20	86.92
Hs.554208	23.38	chr2	N/A	3	41.76
Hs.21810	23.37	chr6	N/A	1	0.00
FANCD2OS	23.37	chr3	3p25.3	36	236.50

Hs.670077	23.37	chr11	N/A	1	0.00
BAG4	23.37	chr8	8p11.23	62	81.43
FBXL14	23.37	chr12	12p13.33	24	67.90
TEKT4	23.36	chr2	2q11.1	25	136.07
LINC00565	23.36	chr13	13q34	1	0.00
ELOVL6	23.36	chr4	4q25	54	122.39
Hs.660743	23.36	chr16	N/A	14	105.10
OR4S1	23.36	chr11	11p11.2	18	75.58
TNFRSF10C	23.36	chr8	8p22-p21	35	70.70
Hs.667009	23.35	chr1	N/A	3	66.54
IGF2BP1	23.35	chr17	17q21.32	145	423.95
SRCAP	23.35	chr16	16p11.2	52	107.05
Hs.545222	23.34	chr8	N/A	3	44.34
TTN-AS1	23.34	chr2	N/A	5	115.78
Hs.720347	23.34	chr11	N/A	3	49.76
Hs.662787	23.34	chr12	N/A	21	132.23
Hs.733859	23.34	chr10	N/A	8	49.46
PYCRL	23.33	chr8	8q24.3	31	106.15
C3orf35	23.33	chr3	3p22.2	43	130.42
TBC1D29	23.33	chr17	17q11.2	20	115.37
HAUS5	23.33	chr19	19q13.12	34	178.06
Hs.740541	23.33	chr5	N/A	5	94.11
Hs.657085	23.33	chr7	N/A	7	42.43
CBLN1	23.33	chr16	16q12.1	30	80.09
CAMSAP1	23.32	chr9	9q34.3	99	133.39
Hs.576969	23.32	chr11	N/A	3	58.59
DUOXA1	23.32	chr15	15q21.1	25	144.57
KIAA1751	23.32	chr1	1p36.33	44	149.06
Hs.563710	23.32	chr1	N/A	3	51.22
MMP1	23.31	chr11	11q22.3	56	100.83
PLD2	23.31	chr17	17p13.1	30	113.60
CPLX1	23.31	chr4	4p16.3	29	109.56
EGFR	23.31	chr7	7p12	112	108.86
Hs.571488	23.31	chr8	N/A	3	42.45
HIST2H4A	23.31	chr1	1q21.2	16	38.67
Hs.126962	23.31	chr19	N/A	18	110.79
LMF1	23.31	chr16	16p13.3	50	65.78
KLHL40	23.31	chr3	3p22.1	19	133.13
CCNI2	23.30	chr5	5q31.1	3	39.33
GMCL1	23.30	chr2	2p13.3	51	83.75
UBN2	23.30	chr7	7q34	28	104.32
Hs.656343	23.30	chr3	N/A	1	0.00
Hs.664493	23.30	chr1	N/A	7	106.03
Hs.539083	23.30	chr11	N/A	3	72.92
CGB7	23.30	chr19	19q13.32	14	47.74
Hs.120893	23.30	chr1	N/A	4	61.21
KLB	23.29	chr4	4p14	61	131.89
ZBTB21	23.29	chr21	21q22.3	28	104.15
Hs.555123	23.29	chr10	N/A	3	62.08
LOC441268	23.29	chr7	7q21.3	3	38.26
Hs.702522	23.29	chr14	N/A	8	33.73
Hs.667033	23.28	chr20	N/A	1	0.00
Hs.659136	23.28	chr13	N/A	3	24.16
ADAM11	23.27	chr17	17q21.3	48	102.27
SLX4IP	23.27	chr20	20p12.2	16	85.16
SNAI1	23.27	chr20	20q13.2	28	98.28
Hs.398159	23.27	chr1	N/A	5	65.01
SYNGR4	23.27	chr19	19q13.3	30	87.09
LGR6	23.27	chr1	1q32.1	44	131.72
Hs.709450	23.27	chr15	N/A	8	45.38
OAS1	23.27	chr12	12q24.2	56	69.53
Hs.664330	23.26	chr12	N/A	1	0.00
Hs.659653	23.26	chr1	N/A	2	34.00
PLEKHB1	23.25	chr11	11q13.5-q14.1	58	122.89
Hs.127279	23.25	chr17	N/A	11	62.69
PRKCG	23.25	chr19	19q13.4	39	134.16

SEZ6L2	23.25	chr16	16p11.2	72	112.99
Hs.610264	23.25	chr11	N/A	4	92.83
Hs.631231	23.25	chr15	N/A	10	42.37
IFT74	23.25	chr9	9p21.2	33	91.82
Hs.627492	23.25	chr14	N/A	3	17.03
DKFZP434I0714	23.25	chr4	4q31.23	31	91.25
ITPR2	23.25	chr12	12p11	68	92.48
SEPT6	23.25	chrX	Xq24	78	88.33
CTRL	23.25	chr16	16q22.1	46	79.57
FLT3LG	23.24	chr19	19q13.3	46	118.37
THNSL1	23.24	chr10	10p12.1	33	103.41
RHAG	23.24	chr6	6p12.3	54	161.31
Hs.709646	23.24	chr7	N/A	3	118.29
Hs.599944	23.24	chr2	N/A	7	94.77
LOC729218	23.24	chr4	4q26	4	112.62
LOC100652739	23.24	chr6	N/A	16	56.74
Hs.678575	23.23	chr11	N/A	1	0.00
Hs.717035	23.23	chr2	N/A	5	51.56
KIAA1324L	23.23	chr7	7q21.12	42	154.50
KIAA1467	23.23	chr12	12p13.1	33	109.84
Hs.632854	23.23	chr12	N/A	8	120.56
INPP5F	23.22	chr10	10q26.11	62	86.46
LOC100996668	23.22	chr10	N/A	7	66.38
ZC3H7B	23.22	chr22	22q13.2	81	113.90
KIF17	23.22	chr1	1p36.12	25	87.75
Hs.666442	23.22	chr3	N/A	14	134.94
Hs.599325	23.21	chr1	N/A	8	72.84
AGAP2	23.21	chr12	12q14.1	35	67.27
TNFRSF10A	23.21	chr8	8p21	19	116.21
LOC100131232	23.21	chr11	11q13.1	10	42.55
Hs.560323	23.21	chr15	N/A	1	0.00
MVB12B	23.21	chr9	9q33.3	86	142.31
SCNN1A	23.20	chr12	12p13	48	109.35
LINC00265	23.20	chr7	7p14.1	22	78.81
Hs.614174	23.20	chr22	N/A	3	14.97
Hs.569375	23.20	chr14	N/A	7	84.74
Hs.655382	23.20	chr22	N/A	8	80.06
ATP6V0A2	23.18	chr12	12q24.31	60	112.15
NGFR	23.18	chr17	17q21-q22	30	84.32
CST9	23.18	chr20	20p11.21	17	131.47
OTUD6B	23.18	chr8	8q21.3	19	105.34
TUBGCP6	23.18	chr22	22q13.31-q13.33	33	90.88
Hs.674465	23.18	chr5	N/A	1	0.00
Hs.132283	23.17	chr14	N/A	5	68.96
FAM76B	23.17	chr11	11q21	32	78.35
Hs.655571	23.17	chr11	N/A	7	52.51
Hs.600851	23.17	chr11	N/A	14	216.07
IL18R1	23.17	chr2	2q12	52	128.19
PCDH20	23.17	chr13	13q21	33	86.47
CCDC132	23.16	chr7	7q21.3	81	183.35
SOWAHD	23.16	chrX	Xq24	5	53.89
Hs.655422	23.16	chr16	N/A	3	129.46
GPATCH11	23.16	chr2	2p22.2	27	74.49
Hs.605673	23.16	chr6	N/A	5	37.01
Hs.149232	23.16	chr11	N/A	3	60.03
DEFA4	23.16	chr8	8p23	30	65.05
DOCK4	23.16	chr7	7q31.1	61	88.13
Hs.193480	23.15	chr17	N/A	28	119.11
RAB11FIP4	23.15	chr17	17q11.2	89	102.35
CNTNAP3B	23.15	chr9	9p11.2	38	77.03
Hs.650276	23.15	chr11	N/A	3	68.20
Hs.667847	23.14	chr8	N/A	3	118.76
ZNF792	23.14	chr19	19q13.11	26	102.49
LOC644662	23.14	chr3	3q21.3	15	147.47
Hs.570306	23.14	chr2	N/A	3	109.44
Hs.633105	23.14	chr9	N/A	8	57.10

PPAP2C	23.14	chr19	19p13	34	80.28
ZNF416	23.14	chr19	19q13.4	20	71.59
Hs.297340	23.13	chr15	N/A	1	0.00
Hs.633774	23.13	chr5	N/A	5	20.03
EPB41L5	23.13	chr2	2q14.2	72	125.59
Hs.660198	23.13	chrX	N/A	1	0.00
Hs.545056	23.13	chr7	N/A	3	53.48
GNB5	23.13	chr15	15q21.2	57	88.45
OTOS	23.13	chr2	2q37.3	17	57.77
Hs.656403	23.12	chr3	N/A	2	60.75
ALKBH8	23.12	chr11	11q22.3	18	64.19
PTPRH	23.12	chr19	19q13.4	28	55.95
Hs.608194	23.12	chr11	N/A	1	0.00
Hs.655345	23.12	chr3	N/A	7	40.84
Hs.712366	23.12	chr16	N/A	10	125.84
Hs.563189	23.12	chr4	N/A	3	58.72
SLC25A2	23.12	chr5	5q31	26	214.46
Hs.738094	23.11	chrX	N/A	3	37.10
FLVCR2	23.11	chr14	14q24.3	46	123.32
CCDC66	23.11	chr3	3p14.3	32	108.78
USP27X	23.11	chrX	Xp11.23	18	77.14
Hs.584207	23.11	chr9	N/A	3	61.60
Hs.655868	23.10	chr15	N/A	14	81.03
PHTF2	23.10	chr7	7q11.23-q21	97	113.56
HCN1	23.10	chr5	5p12	53	264.46
SKP2	23.10	chr5	5p13	48	113.93
Hs.708932	23.10	chr17	N/A	7	103.65
CLDND2	23.10	chr19	19q13.41	26	141.31
KCNE1L	23.10	chrX	Xq22.3	40	54.87
ARL5B	23.10	chr10	10p12.31	46	147.75
RNF138	23.10	chr18	18q12.1	60	101.59
ARSB	23.09	chr5	5q14.1	52	108.09
Hs.659434	23.09	chr12	N/A	8	37.37
Hs.664550	23.09	chrX	N/A	7	48.99
TPO	23.09	chr2	2p25	33	66.47
Hs.664681	23.09	chr2	N/A	7	39.44
GNAO1	23.08	chr16	16q13	94	115.45
Hs.600554	23.08	chr2	N/A	7	217.34
Hs.738952	23.08	chr8	N/A	7	47.44
ZNF621	23.08	chr3	3p22.1	28	89.91
KIAA2018	23.08	chr3	3q13.2	50	91.74
NR4A3	23.07	chr9	9q22	72	97.52
PCYOX1L	23.07	chr5	5q32	25	60.57
Hs.667034	23.07	chr11	N/A	7	125.40
Hs.27371	23.06	chr8	N/A	24	68.61
Hs.525436	23.06	chr14	N/A	3	48.74
C8A	23.06	chr1	1p32	32	105.00
Hs.606044	23.06	chr4	N/A	14	70.76
CR2	23.06	chr1	1q32	37	106.92
METTL18	23.05	chr1	1q24.2	33	68.79
PER3	23.05	chr1	1p36.23	69	87.73
MYRIP	23.05	chr3	3p22.1	41	184.96
Hs.636650	23.04	chr9	N/A	18	197.33
Hs.574776	23.04	chr2	N/A	3	49.42
Hs.561850	23.04	chr8	N/A	3	15.56
Hs.168162	23.04	chr14	N/A	4	69.22
CCRN4L	23.04	chr4	4q31.1	32	115.39
VSIG2	23.03	chr11	11q24	27	97.38
Hs.658905	23.03	chr11	N/A	7	83.84
INSM1	23.03	chr20	20p11.2	38	112.11
GPR139	23.03	chr16	16p12.3	10	142.72
Hs.676268	23.03	chr3	N/A	1	0.00
Hs.600711	23.03	chr21	N/A	3	8.58
OPN1SW	23.03	chr7	7q32.1	23	85.35
CYP46A1	23.03	chr14	14q32.1	28	118.85
Hs.730446	23.03	chr12	N/A	3	14.52

POU5F2	23.03	chr5	5q15	19	67.67
Hs.55295	23.03	chr12	N/A	4	26.03
Hs.673190	23.03	chrX	N/A	8	123.63
RHPN2	23.03	chr19	19q13.11	27	141.76
TNFRSF4	23.03	chr1	1p36	38	171.58
PRUNE2	23.02	chr9	9q21.2	69	112.81
Hs.708573	23.02	chr5	N/A	7	65.85
TRIM29	23.02	chr11	11q23.3	56	117.91
Hs.668035	23.02	chr12	N/A	4	49.10
MPP6	23.02	chr7	7p15	32	213.70
Hs.744292	23.02	chr17	N/A	10	78.44
Hs.721130	23.02	chr19	N/A	3	75.61
Hs.694335	23.02	chr5	N/A	17	137.98
Hs.545680	23.02	chr9	N/A	3	38.93
DKFZP686I15217	23.02	chr6	6p25.2	16	68.04
ABAT	23.02	chr16	16p13.2	63	109.73
Hs.537789	23.02	chr1	N/A	3	18.70
Hs.438486	23.02	chr5	N/A	3	40.13
CRB3	23.02	chr19	19p13.3	35	71.35
Hs.658884	23.01	chr4	N/A	1	0.00
Hs.510007	23.01	chr6	N/A	4	106.25
PATE1	23.01	chr11	11q24.2	25	120.76
HLCS	23.01	chr21	21q22.13	47	75.44
CENPA	23.01	chr2	2p23.3	41	124.19
DNMT3A	23.01	chr2	2p23	47	114.54
IRF8	23.01	chr16	16q24.1	44	116.50
SLC35D1	23.01	chr1	1p32-p31	50	108.02
LINC00540	23.00	chr13	N/A	1	0.00
Hs.602877	23.00	chr11	N/A	2	86.07
Hs.543954	23.00	chr5	N/A	3	45.28
Hs.738063	23.00	chr9	N/A	3	33.58
Hs.297337	23.00	chr1	N/A	3	13.87
SWT1	22.99	chr1	1q25	26	54.18
LOC284933	22.99	chr22	22q13.32	14	46.81
Hs.659098	22.99	chr10	N/A	1	0.00
OR5I1	22.99	chr11	11q11	23	82.50
Hs.39557	22.99	chr16	N/A	11	47.89
Hs.434234	22.99	chr4	N/A	1	0.00
Hs.385630	22.98	chr3	N/A	1	0.00
AVPR2	22.98	chrX	Xq28	37	67.95
Hs.706693	22.98	chr4	N/A	7	113.08
ARSK	22.98	chr5	5q15	28	85.11
KLK8	22.98	chr19	19q13	35	107.03
NPBWR2	22.98	chr20	20q13.3	21	83.89
Hs.134626	22.98	chr15	N/A	7	105.52
IGSF11	22.98	chr3	3q13.32	42	77.90
Hs.545587	22.97	chr9	N/A	3	32.67
SIGLEC5	22.97	chr19	19q13.3	48	113.67
C19orf55	22.97	chr19	19q13.12	25	159.53
CDCA3	22.97	chr12	12p13	46	132.87
Hs.601256	22.97	chr9	N/A	1	0.00
Hs.677117	22.97	chr10	N/A	1	0.00
ZSWIM3	22.96	chr20	20q13.12	34	134.91
RFESD	22.96	chr5	5q15	28	94.14
Hs.542141	22.96	chr2	N/A	3	38.69
Hs.666275	22.96	chr6	N/A	7	53.62
DDX11L2	22.96	chr2	2q13	13	58.30
Hs.640139	22.96	chr18	N/A	3	7.50
SLC39A2	22.96	chr14	14q11.2	28	121.98
Hs.657041	22.96	chr21	N/A	7	86.70
Hs.663286	22.96	chr9	N/A	7	69.93
Hs.577328	22.96	chr11	N/A	3	16.50
SAA2	22.96	chr11	11p15.1-p14	41	165.91
ZNF236	22.96	chr18	18q22-q23	50	96.59
ZNF799	22.96	chr19	19p13.2	19	44.87
Hs.667715	22.95	chr20	N/A	2	7.72

ZNF528	22.95	chr19	19q13	27	71.48
Hs.655276	22.95	chr9	N/A	8	47.64
Hs.130180	22.95	chr2	N/A	7	46.89
DTX1	22.95	chr12	12q24.13	43	104.85
Hs.544657	22.95	chr6	N/A	3	47.96
NDC1	22.94	chr1	1p32.3	49	65.06
Hs.663897	22.94	chr5	N/A	8	168.85
CPPED1	22.94	chr16	16p13.12	33	57.04
CST11	22.94	chr20	20p11.21	25	242.33
CETP	22.94	chr16	16q21	31	85.47
LCE2C	22.94	chr1	1q21.3	23	91.41
TTC23	22.94	chr15	15q26.3	54	113.53
COL2A1	22.93	chr12	12q13.11	40	130.03
LOC100505774	22.93	chr2	N/A	1	0.00
OR13A1	22.93	chr10	10q11.21	8	104.70
Hs.282153	22.93	chr5	N/A	3	19.52
TMIE	22.93	chr3	3p21	20	199.14
TMPRSS5	22.93	chr11	11q	21	65.08
LOC643072	22.92	chr2	2q24.2	14	74.06
CLDN3	22.92	chr7	7q11.23	52	116.06
MPP7	22.92	chr10	10p12.1	50	93.01
Hs.547396	22.92	chr13	N/A	19	61.92
Hs.688757	22.92	chr21	N/A	7	154.68
Hs.555076	22.92	chr6	N/A	1	0.00
Hs.129160	22.92	chr1	N/A	3	52.80
PRR15L	22.91	chr17	17q21.32	28	109.52
Hs.541452	22.91	chr2	N/A	3	42.21
TCTN2	22.91	chr12	12q24.31	61	130.91
Hs.659376	22.91	chr5	N/A	7	76.44
TNFSF14	22.91	chr19	19p13.3	30	160.24
Hs.597192	22.91	chr10	N/A	7	107.27
Hs.706113	22.91	chr8	N/A	12	85.30
C16orf70	22.90	chr16	16q22.1	49	80.06
Hs.542299	22.90	chr20	N/A	3	12.69
Hs.540100	22.90	chr14	N/A	3	44.18
Hs.196595	22.90	chr10	N/A	3	64.60
ZXDC	22.90	chr3	3q21.3	104	96.43
NEU3	22.90	chr11	11q13.5	33	103.40
PLEKHG4	22.90	chr16	16q22.1	26	95.61
ZSWIM8-AS1	22.89	chr10	N/A	7	62.47
TBX5-AS1	22.89	chr12	12q24.21	31	81.19
Hs.579904	22.89	chr19	N/A	3	66.04
REG3A	22.89	chr2	2p12	32	105.34
CDH9	22.89	chr5	5p14	18	69.26
BOD1L1	22.89	chr4	4p16.1	66	85.85
Hs.608666	22.89	chr3	N/A	5	121.59
Hs.668097	22.88	chr4	N/A	2	123.68
Hs.355102	22.88	chr2	N/A	3	33.73
Hs.664708	22.88	chr14	N/A	15	96.58
IGLV4-3	22.88	chr22	22q11.2	5	77.22
FCHO1	22.88	chr19	19p13.11	30	114.82
LIM2	22.87	chr19	19q13.4	28	125.95
Hs.34558	22.87	chr19	N/A	11	104.62
Hs.127545	22.87	chr18	N/A	3	32.77
Hs.580508	22.87	chr2	N/A	3	45.20
RFTN2	22.87	chr2	2q33.1	22	87.37
GRM3	22.87	chr7	7q21.1-q21.2	40	114.00
C3orf70	22.87	chr3	3q27.2	27	93.29
Hs.386298	22.86	chr8	N/A	3	36.56
Hs.89394	22.86	chr3	N/A	5	67.24
SSTR2	22.86	chr17	17q24	38	176.62
KCNA4	22.86	chr11	11p14	30	98.93
CCDC96	22.85	chr4	4p16.1	26	75.61
Hs.703446	22.85	chr4	N/A	8	86.83
Hs.477876	22.85	chr3	N/A	3	42.55
PNLIP	22.85	chr10	10q26.1	28	112.90

FAM41AY2	22.85	chrY	Yq11.2	4	12.15
FAAH	22.85	chr1	1p35-p34	36	99.45
Hs.657369	22.85	chr7	N/A	1	0.00
SLC25A27	22.85	chr6	6p12.3	37	56.54
GHDC	22.84	chr17	17q21.2	34	95.25
LOC100507195	22.84	chr12	N/A	3	52.19
Hs.676054	22.84	chr20	N/A	11	226.72
Hs.537757	22.84	chr1	N/A	3	53.39
ZNF628	22.84	chr19	19q13.42	20	55.05
CREB3L3	22.84	chr19	19p13.3	32	161.66
Hs.583661	22.84	chr8	N/A	3	33.29
CGBP2	22.83	chr3	3p21.3	39	128.18
Hs.657290	22.83	chr14	N/A	2	13.00
Hs.662175	22.83	chr6	N/A	1	0.00
PLCD4	22.83	chr2	2q35	26	148.00
ACOT12	22.83	chr5	5q14.1	33	113.39
LOC100996246	22.82	chr12	N/A	8	39.25
Hs.523977	22.82	chr11	N/A	5	65.62
Hs.601545	22.82	chr14	N/A	2	99.08
BCL9L	22.81	chr11	11q23.3	21	113.69
Hs.33983	22.81	chr19	N/A	8	75.93
Hs.733541	22.81	chr16	N/A	10	33.40
Hs.727468	22.81	chr15	N/A	10	67.40
C1orf51	22.81	chr1	1q21.2	29	77.99
Hs.598194	22.80	chr2	N/A	7	63.90
Hs.608694	22.80	chr5	N/A	1	0.00
Hs.719284	22.80	chr2	N/A	4	112.80
CERS4	22.80	chr19	19p13.2	28	54.23
Hs.583323	22.79	chr7	N/A	3	37.09
Hs.542505	22.79	chr20	N/A	3	51.08
PKI55	22.79	chr2	2q35	24	86.25
Hs.672497	22.79	chr10	N/A	1	0.00
STPG1	22.79	chr1	1p36.11	40	101.56
ISL2	22.79	chr15	15q23	28	140.17
ECT2L	22.79	chr6	6q24.1	5	71.56
CENPM	22.78	chr22	22q13.2	30	192.71
LPCAT1	22.78	chr5	5p15.33	62	124.96
Hs.649701	22.78	chr10	N/A	3	10.89
BTBD16	22.77	chr10	10q26.13	30	90.14
ARAP2	22.77	chr4	4p14	48	144.71
DSN1	22.77	chr20	20q11.23	23	52.78
DSG3	22.76	chr18	18q12.1	38	144.60
FAS	22.76	chr10	10q24.1	86	102.67
CDR1	22.76	chrX	Xq27.1-q27.2	36	125.40
Hs.731786	22.75	chr2	N/A	7	135.10
Hs.666560	22.75	chr5	N/A	14	71.30
Hs.551155	22.75	chrX	N/A	3	55.39
SLC12A3	22.75	chr16	16q13	49	147.12
EFNA5	22.75	chr5	5q21	72	126.09
Hs.547516	22.74	chr19	N/A	7	44.10
Hs.583860	22.74	chr8	N/A	3	58.89
Hs.124514	22.74	chr20	N/A	4	79.65
SLC25A32	22.74	chr8	8q22.3	35	65.97
DUSP4	22.74	chr8	8p12-p11	56	104.70
Hs.541046	22.74	chr18	N/A	3	43.59
Hs.655778	22.74	chr3	N/A	8	143.86
Hs.709688	22.74	chr8	N/A	5	115.42
HEIH	22.73	chr5	5q35.3	18	120.79
Hs.390374	22.73	chr9	N/A	3	61.35
AJUBA	22.73	chr14	14q11.2	43	67.28
Hs.632931	22.73	chr4	N/A	7	61.09
HHIP-AS1	22.73	chr4	4q31.21	1	0.00
Hs.658828	22.72	chr10	N/A	1	0.00
Hs.120208	22.72	chr2	N/A	3	35.41
POU3F2	22.72	chr6	6q16	34	295.84
LOC100288594	22.72	chr7	7p22.3	20	73.03

PCNXL3	22.72	chr11	11q13.1	35	83.31
TULP1	22.72	chr6	6p21.3	30	201.26
Hs.610424	22.71	chr9	N/A	7	40.14
TGFB2	22.71	chr1	1q41	94	114.75
PDE6H	22.71	chr12	12p13	28	162.79
Hs.601565	22.71	chr3	N/A	4	44.14
Hs.356962	22.71	chr21	N/A	6	73.07
Hs.562197	22.70	chr1	N/A	3	30.01
CCL18	22.70	chr17	17q11.2	35	76.30
Hs.603557	22.70	chr19	N/A	5	91.70
POC1A	22.70	chr3	3p21.2	37	90.82
NOTUM	22.70	chr17	17q25.3	20	54.26
HS3ST1	22.70	chr4	4p16	49	84.74
WDR86	22.70	chr7	7q36.1	7	93.89
Hs.666028	22.70	chr4	N/A	8	64.59
CHDH	22.69	chr3	3p21.1	51	67.55
Hs.579895	22.69	chr19	N/A	3	34.21
Hs.594144	22.69	chr12	N/A	7	118.53
ZDBF2	22.69	chr2	2q33.3	28	86.79
CLCF1	22.69	chr11	11q13.3	25	95.23
Hs.660448	22.68	chr19	N/A	31	104.53
LOC100507581	22.68	chr2	N/A	10	204.60
DKFZp451B082	22.68	chr6	6q26	4	39.70
GDPD1	22.67	chr17	17q22	24	127.82
SFMBT2	22.67	chr10	10p14	34	113.95
Hs.565443	22.67	chr2	N/A	3	94.08
Hs.135052	22.67	chr19	N/A	18	145.70
PRSS45	22.66	chr3	3p21.31	5	44.51
SLC23A3	22.66	chr2	2q35	52	306.53
TEX40	22.66	chr11	11q13.1	24	123.55
Hs.634381	22.66	chr6	N/A	3	1.41
HIST1H4F	22.66	chr6	6p22.1	21	129.10
Hs.135108	22.66	chr2	N/A	8	116.84
SLC25A43	22.66	chrX	Xq24	34	160.70
COL9A2	22.66	chr1	1p33-p32	50	86.96
OR9A4	22.66	chr7	7q34	5	106.83
NAPSA	22.65	chr19	19q13.33	48	105.44
Hs.732265	22.65	chr13	N/A	18	80.03
ZMYM1	22.65	chr1	1p34.3	47	84.90
Hs.103320	22.65	chr8	N/A	3	56.08
Hs.719483	22.64	chr10	N/A	7	52.11
SEMA6A	22.64	chr5	5q23.1	93	149.53
CXorf51A	22.64	chrX	Xq27.3	2	122.93
TBX4	22.64	chr17	17q21-q22	28	240.31
CDYL	22.64	chr6	6p25.1	41	88.06
Hs.631884	22.64	chr2	N/A	1	0.00
Hs.594758	22.63	chr17	N/A	1	0.00
CD5	22.63	chr11	11q13	39	93.00
ZBTB24	22.63	chr6	6q21	40	79.41
Hs.614567	22.63	chr9	N/A	1	0.00
Hs.663673	22.63	chr21	N/A	5	79.54
Hs.650061	22.63	chr14	N/A	3	48.29
CYP3A43	22.63	chr7	7q21.1	49	86.22
Hs.675317	22.63	chr1	N/A	1	0.00
Hs.132261	22.63	chr9	N/A	5	73.13
Hs.130590	22.63	chrX	N/A	3	27.00
Hs.558625	22.63	chr2	N/A	2	20.92
RABL3	22.62	chr3	3q13.33	73	75.23
LOC100132941	22.62	chr16	16p11.2	2	105.60
CORO7	22.62	chr16	16p13.3	29	84.38
Hs.665107	22.62	chr3	N/A	11	247.91
Hs.664538	22.62	chr2	N/A	1	0.00
TAS2R39	22.61	chr7	7q34	17	74.23
GNG4	22.61	chr1	1q42.3	50	116.20
Hs.634114	22.61	chr8	N/A	3	41.93
TRPM2	22.61	chr21	21q22.3	52	202.03

RASGEF1C	22.61	chr5	5q35.3	32	166.71
Hs.54751	22.60	chr22	N/A	17	101.98
Hs.545107	22.60	chr7	N/A	3	31.30
Hs.557008	22.59	chr8	N/A	3	6.20
RIC8B	22.59	chr12	12q23.3	46	98.60
Hs.385925	22.59	chr14	N/A	2	4.99
Hs.655534	22.59	chr10	N/A	9	87.87
LOC100506083	22.58	chr16	N/A	8	107.95
Hs.400131	22.58	chr21	N/A	3	91.68
MRE11A	22.58	chr11	11q21	108	135.02
ERN1	22.58	chr17	17q24.2	62	99.91
Hs.737756	22.58	chr18	N/A	1	0.00
Hs.738201	22.57	chr11	N/A	3	4.03
Hs.98588	22.57	chr12	N/A	21	110.62
Hs.665412	22.57	chr2	N/A	2	127.03
Hs.656540	22.57	chr16	N/A	2	39.32
ARL17A	22.57	chr17	17q21.31	7	37.47
Hs.555499	22.57	chr12	N/A	1	0.00
SLC25A10	22.57	chr17	17q25.3	24	94.56
Hs.536469	22.57	chr17	N/A	3	58.41
LENG1	22.56	chr19	19q13.4	19	67.42
Hs.26920	22.56	chr15	N/A	4	65.81
Hs.350698	22.56	chr2	N/A	18	76.78
Hs.345449	22.56	chr19	N/A	3	35.57
N4BP3	22.56	chr5	5q35.3	37	112.36
ZFYVE28	22.55	chr4	4p16.3	29	47.46
APOL6	22.55	chr22	22q12.3	54	91.90
Hs.603687	22.55	chr6	N/A	2	109.83
Hs.577830	22.55	chr13	N/A	3	48.57
ETV3	22.54	chr1	1q21-q23	45	104.19
SFTPA1	22.54	chr10	10q22.3	56	136.22
CNTRL	22.54	chr9	9q33.2	58	160.01
FOXE1	22.54	chr9	9q22	55	123.23
Hs.658306	22.54	chr17	N/A	3	103.32
KRTAP6-1	22.54	chr21	21q22.1	6	82.10
SLC4A10	22.54	chr2	2q24.2	38	355.25
Hs.542356	22.54	chr20	N/A	3	32.17
ZSCAN2	22.54	chr15	15q25.2	53	91.73
KCTD1	22.53	chr18	18q11.2	52	86.07
Hs.733861	22.53	chr1	N/A	14	133.22
Hs.148815	22.53	chr6	N/A	2	25.16
B3GAT3	22.53	chr11	11q12.3	35	96.65
RIF1	22.53	chr2	2q23.3	91	105.66
SEMG1	22.53	chr20	20q12-q13.2	47	91.81
HCRTR1	22.53	chr1	1p33	29	101.73
TLK1	22.53	chr2	2q31.1	74	169.00
Hs.537594	22.52	chr1	N/A	3	35.15
Hs.573646	22.52	chrY	N/A	3	47.23
PILRA	22.52	chr7	7q22.1	42	66.73
Hs.675754	22.52	chr16	N/A	3	118.93
TBCCD1	22.52	chr3	3q27.3	26	76.08
KRT74	22.52	chr12	12q13.13	25	198.45
ZNF596	22.52	chr8	8p23.3	50	95.66
Hs.661809	22.52	chr12	N/A	1	0.00
NOTCH2NL	22.51	chr1	1q21.2	88	113.95
SS18L1	22.51	chr20	20q13.3	36	88.07
Hs.541721	22.51	chr2	N/A	3	50.08
FGFR1OP	22.50	chr6	6q27	50	74.58
Hs.574105	22.50	chr13	N/A	3	22.89
RAB27A	22.50	chr15	15q15-q21.1	109	112.41
PDZD4	22.50	chrX	Xq28	19	111.23
Hs.568544	22.50	chr1	N/A	3	52.73
Hs.714923	22.50	chr16	N/A	1	0.00
Hs.197700	22.50	chr2	N/A	3	48.28
TLE3	22.50	chr15	15q22	79	86.86
Hs.201491	22.50	chr16	N/A	3	44.88

Hs.602751	22.49	chr8	N/A	2	81.32
Hs.663010	22.49	chr12	N/A	2	71.63
Hs.439870	22.49	chr6	N/A	3	50.80
Hs.660369	22.49	chr13	N/A	1	0.00
RHNO1	22.49	chr12	12p13.33	42	105.69
CLDN20	22.49	chr6	6q25	9	83.71
ADCY1	22.49	chr7	7p13-p12	76	109.83
Hs.731994	22.49	chr12	N/A	7	111.52
ZNF793	22.49	chr19	19q13.12	18	260.09
Hs.561234	22.48	chr4	N/A	3	84.51
MOV10	22.48	chr1	1p13.2	27	90.10
Hs.569720	22.48	chr17	N/A	3	45.15
Hs.542643	22.48	chr21	N/A	3	58.29
RHOV	22.48	chr15	15q13.3	23	97.38
Hs.581509	22.48	chr3	N/A	3	45.90
DOCK2	22.48	chr5	5q35.1	55	131.65
Hs.580929	22.47	chr21	N/A	3	28.78
PTGDR2	22.47	chr11	11q12-q13.3	28	95.19
LOC100289341	22.47	chr9	9q34.3	9	109.35
FLJ43663	22.47	chr7	7q32.3	42	190.37
Hs.520658	22.47	chr1	N/A	1	0.00
ERG	22.47	chr21	21q22.3	80	74.91
Hs.561739	22.47	chr7	N/A	3	22.38
Hs.661921	22.47	chr2	N/A	1	0.00
Hs.738380	22.47	chr6	N/A	3	58.93
Hs.732974	22.47	chr7	N/A	7	47.68
Hs.658849	22.47	chr1	N/A	7	86.85
Hs.640533	22.47	chr4	N/A	3	21.01
Hs.674504	22.47	chr2	N/A	1	0.00
LXN	22.46	chr3	3q25.32	21	71.79
KBTBD8	22.46	chr3	3p14	23	103.17
Hs.658490	22.46	chr17	N/A	12	146.60
Hs.661229	22.46	chr21	N/A	12	72.39
PLCH2	22.46	chr1	1p36.32	52	89.78
Hs.741796	22.46	chr22	N/A	5	69.59
CTAGE6	22.45	chr7	7q35	16	39.84
ATXN3	22.45	chr14	14q21	101	110.96
RENBP	22.45	chrX	Xq28	23	109.70
Hs.45091	22.45	chrX	N/A	4	81.03
Hs.635232	22.45	chr19	N/A	7	194.10
PTPLAD2	22.45	chr9	9p21.3	34	168.49
CD300LB	22.45	chr17	17q25.1	22	90.85
MYO5B	22.45	chr18	18q21	54	108.60
Hs.736830	22.45	chr9	N/A	1	0.00
ENPP1	22.45	chr6	6q22-q23	51	88.79
DEFB1	22.44	chr8	8p23.1	42	89.50
SPRTN	22.44	chr1	1q42.12-q43	33	84.00
CSRNP3	22.44	chr2	2q24.3	56	138.50
IFFO2	22.44	chr1	1p36.13	18	54.95
Hs.575543	22.44	chr8	N/A	3	10.66
Hs.620357	22.44	chr4	N/A	3	25.68
Hs.561799	22.44	chr8	N/A	3	69.20
GHRH	22.44	chr20	20q11.2	30	123.18
Hs.664834	22.43	chr1	N/A	17	89.94
Hs.618563	22.43	chr13	N/A	3	32.69
Hs.659504	22.43	chr4	N/A	7	112.30
Hs.580375	22.43	chr2	N/A	3	41.18
FYB	22.43	chr5	5p13.1	69	119.90
FABP6	22.43	chr5	5q33.3-q34	33	160.39
KRT28	22.43	chr17	17q21.2	23	114.52
KRTAP27-1	22.43	chr21	21q22.11	6	60.74
ALOX15B	22.42	chr17	17p13.1	51	93.58
OR51I2	22.42	chr11	11p15.4	11	128.97
PROK2	22.42	chr3	3p13	19	117.64
GTSF1	22.42	chr12	12q13.13	16	163.11
Hs.660872	22.42	chr9	N/A	5	71.10

Hs.543873	22.42	chr5	N/A	3	66.32
LOC79015	22.42	chr20	20q13.12	16	64.43
Hs.105268	22.41	chr1	N/A	1	0.00
Hs.50319	22.41	chr9	N/A	8	204.05
CYTIP	22.41	chr2	2q11.2	33	68.08
ZNF205	22.41	chr16	16p13.3	33	60.94
NAP1L3	22.41	chrX	Xq21.3-q22	23	67.73
ADRBK2	22.41	chr22	22q12.1	62	99.21
LOC401052	22.41	chr3	3p25.3	14	140.93
Hs.570107	22.41	chr2	N/A	3	20.07
Hs.564470	22.41	chr12	N/A	3	18.62
EPHB3	22.40	chr3	3q21-qter	35	135.51
QTRTD1	22.40	chr3	3q13.31	28	58.42
TNRC6C	22.40	chr17	17q25.3	69	113.06
Hs.659022	22.40	chr11	N/A	12	88.99
Hs.98815	22.40	chr17	N/A	3	38.06
Hs.634864	22.40	chr1	N/A	11	93.29
Hs.583730	22.40	chr8	N/A	3	74.48
NT5DC4	22.39	chr2	2q13	8	112.19
Hs.664682	22.39	chr14	N/A	7	35.37
RFXAP	22.39	chr13	13q14	43	100.03
LINS	22.39	chr15	15q26.3	66	113.99
GGTLC2	22.39	chr22	22q11.22	43	56.81
Hs.581332	22.39	chr3	N/A	3	84.89
GPR34	22.39	chrX	Xp11.4	32	96.56
Hs.633609	22.38	chr11	N/A	7	38.92
BNC2	22.38	chr9	9p22.2	77	89.66
LOC149134	22.38	chr1	1q44	17	55.42
Hs.551330	22.38	chr14	N/A	3	31.16
ACAP2	22.38	chr3	3q29	70	104.89
RGL3	22.38	chr19	19p13.2	18	44.22
Hs.744452	22.38	chr5	N/A	1	0.00
Hs.542920	22.38	chr3	N/A	3	48.34
LINC00698	22.38	chr3	3p14.2	1	0.00
PLEKHG1	22.38	chr6	6q25.1	56	124.50
LOC100996511	22.38	chr1	N/A	19	95.73
IAPP	22.38	chr12	12p12.1	23	86.01
Hs.437577	22.38	chr3	N/A	3	24.53
MLKL	22.37	chr16	16q23.1	41	107.19
Hs.105326	22.37	chr18	N/A	7	150.08
Hs.593559	22.37	chr1	N/A	1	0.00
NBPF9	22.37	chr1	1q21.1	12	53.67
FAM213B	22.37	chr1	1p36.32	16	30.85
POLR1B	22.37	chr2	2q13	40	147.68
LRRC26	22.36	chr9	9q34.3	9	68.19
TIMELESS	22.36	chr12	12q13.3	45	82.18
MORN1	22.36	chr1	1p36.33-p36.32	38	129.59
PAX7	22.35	chr1	1p36.13	37	114.54
Hs.577704	22.35	chr12	N/A	3	37.86
KIAA1984	22.35	chr9	9q34.3	25	43.91
LINC00570	22.35	chr2	N/A	3	41.81
RORA	22.35	chr15	15q22.2	127	115.50
SPEF2	22.35	chr5	5p13.2	52	357.57
DKK4	22.35	chr8	8p11.2-p11.1	28	190.24
Hs.733915	22.35	chr2	N/A	3	97.61
CYP2S1	22.35	chr19	19q13.1	27	55.29
Hs.596052	22.34	chr1	N/A	1	0.00
HSD17B3	22.34	chr9	9q22	33	107.67
ASIC2	22.34	chr17	17q12	29	89.43
Hs.538762	22.34	chr11	N/A	3	13.36
Hs.639944	22.34	chr9	N/A	3	48.26
RAD54L2	22.34	chr3	3p21.2	27	73.53
LOC441167	22.34	chr6	6q21	1	0.00
REST	22.34	chr4	4q12	82	86.18
Hs.659032	22.34	chr5	N/A	7	49.54
Hs.9585	22.34	chr2	N/A	17	125.79

IL2RA	22.34	chr10	10p15-p14	53	134.17
MYO7A	22.33	chr11	11q13.5	59	109.61
Hs.584369	22.33	chrX	N/A	3	35.35
CRYM-AS1	22.33	chr16	16p12.2	3	53.34
Hs.544793	22.33	chr7	N/A	3	49.58
Hs.741003	22.33	chr11	N/A	7	69.59
SKOR1	22.32	chr15	15q23	5	77.80
NUDT11	22.32	chrX	Xp11.22	39	385.65
Hs.437343	22.32	chr6	N/A	8	54.20
Hs.539455	22.31	chr12	N/A	3	64.25
SYT16	22.31	chr14	14q23.2	16	217.42
Hs.14032	22.31	chr14	N/A	4	51.90
Hs.733864	22.31	chr10	N/A	1	0.00
AGFG2	22.31	chr7	7q22.1	73	93.60
EMR1	22.30	chr19	19p13.3	30	68.17
Hs.657833	22.30	chr6	N/A	6	42.73
SPDEF	22.30	chr6	6p21.3	50	109.06
Hs.571618	22.30	chr9	N/A	1	0.00
NOTCH1	22.30	chr9	9q34.3	63	190.31
EXOC4	22.30	chr7	7q31	63	131.46
ZNF638-IT1	22.29	chr2	2p13.1	7	41.17
OR1S2	22.29	chr11	11q12.1	16	48.86
Hs.644804	22.29	chr14	N/A	15	124.04
SLC39A9	22.29	chr14	14q24.1	39	112.45
Hs.597678	22.29	chr1	N/A	7	49.07
GOLGA7B	22.29	chr10	10q24.2	16	125.80
COL14A1	22.28	chr8	8q23	81	89.54
Hs.348434	22.28	chr3	N/A	1	0.00
TRIM61	22.28	chr4	4q32.3	4	53.30
LCA5	22.28	chr6	6q14.1	28	98.54
Hs.671662	22.28	chr17	N/A	2	92.09
Hs.537510	22.28	chr8	N/A	3	83.59
Hs.528019	22.28	chr21	N/A	3	1.82
Hs.657841	22.27	chr1	N/A	8	99.04
Hs.50571	22.27	chr5	N/A	17	156.37
VAV2	22.27	chr9	9q34.1	53	98.81
Hs.606892	22.27	chr10	N/A	2	43.74
GAL3ST2	22.27	chr2	2q37.3	19	52.63
HIST1H4J	22.26	chr6	6p22.1	28	76.64
Hs.597025	22.26	chr2	N/A	1	0.00
Hs.659040	22.26	chr3	N/A	25	41.54
ITIH2	22.26	chr10	10p15	38	178.76
CXCR2	22.25	chr2	2q35	44	131.83
Hs.720720	22.25	chr6	N/A	19	107.92
Hs.308630	22.25	chr8	N/A	1	0.00
Hs.567011	22.25	chr9	N/A	3	29.74
NUTM2A	22.25	chr10	10q23.2	28	86.74
Hs.541892	22.25	chr2	N/A	3	47.91
Hs.732115	22.25	chr15	N/A	5	61.26
Hs.544890	22.25	chr7	N/A	3	95.79
TTC39A	22.25	chr1	1p32.3	49	93.18
ZNF280C	22.25	chrX	Xq26.1	29	99.26
Hs.528854	22.25	chr2	N/A	17	70.51
SPATA2	22.24	chr20	20q13.13	45	92.75
Hs.635518	22.24	chr12	N/A	3	71.08
Hs.514440	22.24	chr17	N/A	3	15.31
Hs.662133	22.24	chr17	N/A	1	0.00
Hs.574475	22.23	chr18	N/A	3	77.58
Hs.656958	22.23	chr18	N/A	26	133.90
Hs.669602	22.23	chr1	N/A	2	45.98
Hs.659655	22.23	chr5	N/A	7	66.47
HCAR3	22.23	chr12	12q24.31	29	75.09
RIPPLY1	22.23	chrX	Xq22.3	20	254.99
Hs.121655	22.23	chr13	N/A	4	46.40
Hs.382124	22.23	chr9	N/A	1	0.00
KRBOX1	22.23	chr3	3p22.1	11	45.90

GJA3	22.23	chr13	13q12.11	49	134.64
Hs.662629	22.23	chr1	N/A	8	60.27
Hs.731731	22.23	chr14	N/A	2	59.62
PTPRQ	22.22	chr12	12q21.2	7	59.10
KITLG	22.22	chr12	12q22	76	148.33
GREB1L	22.22	chr18	18q11.2	25	146.19
FAM163A	22.22	chr1	1q25.2	28	150.90
ALG10B	22.22	chr12	12q12	45	197.16
Hs.668151	22.22	chr3	N/A	1	0.00
VPS13B	22.21	chr8	8q22.2	105	242.58
IGLON5	22.21	chr19	19q13.41	10	56.05
Hs.578984	22.21	chr16	N/A	3	73.35
Hs.545997	22.21	chrX	N/A	3	50.58
Hs.709832	22.21	chr11	N/A	15	85.36
Hs.602403	22.21	chr6	N/A	7	46.28
POLE	22.21	chr12	12q24.3	55	95.57
ZNF496	22.20	chr1	1q44	40	62.81
Hs.661570	22.20	chr3	N/A	1	0.00
APOB	22.20	chr2	2p24-p23	82	95.00
Hs.171043	22.20	chr9	N/A	3	76.99
Hs.129547	22.20	chr18	N/A	10	72.68
Hs.659016	22.20	chr1	N/A	7	46.79
Hs.667104	22.20	chr11	N/A	7	97.92
RSPH9	22.19	chr6	6p21.1	34	123.20
FCER1A	22.19	chr1	1q23	31	98.10
BTN1A1	22.19	chr6	6p22.1	28	81.69
Hs.583531	22.19	chr7	N/A	3	4.43
UPB1	22.19	chr22	22q11.2	24	72.14
Hs.661050	22.19	chr8	N/A	7	58.04
Hs.564339	22.18	chr12	N/A	3	49.79
MOB3B	22.18	chr9	9p21.2	65	125.63
FLJ44674	22.18	chr16	16q12.1	3	19.24
Hs.544507	22.17	chr6	N/A	3	15.37
Hs.576712	22.17	chr10	N/A	3	41.12
Hs.195313	22.17	chr6	N/A	7	84.52
ST8SIA3	22.17	chr18	18q21.31	54	106.02
Hs.583147	22.17	chr7	N/A	3	62.04
Hs.562164	22.17	chr1	N/A	3	46.78
Hs.658904	22.17	chr3	N/A	1	0.00
Hs.590688	22.16	chr9	N/A	3	58.22
Hs.599357	22.16	chr12	N/A	14	100.64
OR2AK2	22.16	chr1	1q44	3	54.58
PTK6	22.16	chr20	20q13.3	36	138.42
CXCL17	22.15	chr19	19q13.2	17	52.62
P2RY1	22.15	chr3	3q25.2	30	92.14
Hs.663655	22.15	chr9	N/A	7	39.58
KIAA1919	22.15	chr6	6q22	38	105.36
POU6F2-AS1	22.15	chr7	7p14.1	3	38.54
HIST1H4K	22.15	chr6	6p22.1	23	76.58
ZNF440	22.15	chr19	19p13.2	54	74.75
ICAM5	22.15	chr19	19p13.2	55	213.04
Hs.99253	22.15	chr9	N/A	20	87.29
Hs.541834	22.14	chr2	N/A	3	13.90
SIPA1L3	22.14	chr19	19q13.13	47	92.79
Hs.578954	22.14	chr16	N/A	3	27.86
RGS9	22.14	chr17	17q24	33	274.35
CTNNA3	22.13	chr10	10q22.2	37	75.87
Hs.495410	22.13	chr9	N/A	15	97.29
KLKB1	22.13	chr4	4q35	30	54.33
GLIS3-AS1	22.13	chr9	9p24.2	13	218.39
SLAMF1	22.12	chr1	1q23.3	41	138.97
Hs.615532	22.12	chr21	N/A	3	48.19
HK3	22.12	chr5	5q35.2	38	95.82
OR5AN1	22.12	chr11	11q12.1	5	62.13
MC5R	22.12	chr18	18p11.2	23	64.83
Hs.539737	22.12	chr13	N/A	3	74.63

Hs.125549	22.12	chr12	N/A	8	105.01
Hs.594543	22.12	chr12	N/A	17	48.47
IFNLR1	22.12	chr1	1p36.11	40	92.28
THAP6	22.12	chr4	4q21.1	41	94.10
Hs.733756	22.11	chr6	N/A	1	0.00
Hs.565683	22.11	chr20	N/A	3	58.79
FAM169A	22.11	chr5	5q13.3	53	176.99
CLEC10A	22.11	chr17	17p13.1	46	67.80
ERVV-1	22.11	chr19	19q13.41	30	98.38
PGBD2	22.11	chr1	1q44	37	48.40
TNF	22.10	chr6	6p21.3	67	82.05
Hs.441388	22.10	chr7	N/A	3	41.89
Hs.543111	22.10	chr3	N/A	3	12.75
LOC100506639	22.10	chr5	5p12	32	153.39
SLC26A1	22.09	chr4	4p16.3	64	141.48
Hs.564345	22.09	chr12	N/A	10	88.59
BLOC1S3	22.09	chr19	19q13.32	14	90.96
STAC	22.09	chr3	3p22.3	46	110.88
SIGLEC1	22.08	chr20	20p13	33	150.20
LCP2	22.08	chr5	5q35.1	45	93.37
PON3	22.08	chr7	7q21.3	37	75.54
MIR600HG	22.08	chr9	9q33.3	22	108.37
Hs.611127	22.08	chr3	N/A	3	41.97
Hs.737923	22.08	chr8	N/A	3	60.34
LOC100128750	22.07	chr8	8p12	35	87.14
LDLRAD3	22.07	chr11	11p13	25	105.48
ZNF710	22.07	chr15	15q26.1	55	95.79
EHBPI	22.07	chr2	2p15	87	114.78
Hs.603717	22.07	chr6	N/A	2	20.74
Hs.538387	22.07	chr10	N/A	3	21.39
FGF11	22.07	chr17	17p13.1	25	103.42
Hs.444645	22.07	chr7	N/A	19	85.04
MRM1	22.07	chr17	17q12	21	42.16
LAMC2	22.06	chr1	1q25-q31	46	130.23
Hs.539389	22.06	chr12	N/A	3	34.43
Hs.674734	22.06	chr7	N/A	1	0.00
LMBRD2	22.05	chr5	5p13.2	64	151.84
CNTN3	22.05	chr3	3p12.3	50	117.71
SPRR1B	22.05	chr1	1q21-q22	38	104.90
STRC	22.05	chr15	15q15.3	27	155.25
FGFR3	22.05	chr4	4p16.3	42	104.26
LOC153684	22.05	chr5	5p12	7	52.70
SEC24B-AS1	22.04	chr4	4q25	11	39.41
Hs.720560	22.04	chr1	N/A	11	91.75
LOC100506661	22.04	chrX	N/A	8	55.48
SLC43A2	22.04	chr17	17p13.3	41	95.39
Hs.670691	22.04	chr4	N/A	4	49.92
RASL11A	22.03	chr13	13q12.2	23	174.29
ADCK5	22.03	chr8	8q24.3	24	64.34
Hs.527241	22.03	chr5	N/A	3	55.91
GK2	22.03	chr4	4q13	30	102.31
LOC100127886	22.03	chr20	20q12	20	76.90
CXorf56	22.03	chrX	Xq23	32	68.31
HGF	22.03	chr7	7q21.1	88	131.75
TPPP2	22.02	chr14	14q11.2	27	166.90
NKAPL	22.02	chr6	6p22.1	42	82.98
Hs.571602	22.02	chr9	N/A	6	58.00
SLC26A10	22.02	chr12	12q13	39	65.84
AQP6	22.02	chr12	12q13	38	132.62
Hs.543097	22.02	chr3	N/A	3	86.01
FAM170A	22.02	chr5	5q23.1	14	69.79
NAA16	22.02	chr13	13q14.11	53	95.80
Hs.553290	22.02	chrX	N/A	3	45.96
KIF16B	22.02	chr20	20p11.23	54	66.09
Hs.603077	22.01	chr7	N/A	7	42.24
STYX	22.01	chr14	N/A	62	80.26

Hs.594693	22.00	chr16	N/A	7	193.07
GPC2	22.00	chr7	7q22.1	17	56.85
Hs.372928	22.00	chr4	N/A	3	65.86
ZNF552	22.00	chr19	19q13.43	60	80.90
TWF1	22.00	chr12	12q12	67	89.10
ZDHHC2	22.00	chr8	8p22	52	100.53
ATXN7L1	22.00	chr7	7q22.3	105	170.25
CCDC34	22.00	chr11	11p14.1	50	105.39
ANKS3	21.99	chr16	16p13.3	26	49.77
WHSC1L1	21.99	chr8	8p11.2	57	110.73
Hs.635445	21.99	chr9	N/A	12	21.08
ACSM3	21.99	chr16	16p13.11	50	124.73
HAVCR2	21.98	chr5	5q33.3	42	157.31
ZNF667	21.98	chr19	19q13.43	32	79.87
MAB21L3	21.98	chr1	1p13.1	29	96.02
Hs.591641	21.98	chr2	N/A	7	66.87
FCGR1A	21.98	chr1	1q21.2-q21.3	25	111.64
Hs.143004	21.98	chr3	N/A	15	61.06
ARX	21.98	chrX	Xp21.3	32	90.31
Hs.524830	21.98	chr12	N/A	5	73.02
Hs.578394	21.97	chr15	N/A	3	41.44
Hs.367995	21.97	chr8	N/A	3	102.99
Hs.649991	21.97	chr3	N/A	3	46.61
DNAH12	21.97	chr3	3p14.3	61	308.73
APBB1IP	21.97	chr10	10p12.1	66	152.93
LYZL6	21.97	chr17	17q11.2	34	158.91
Hs.602933	21.96	chr3	N/A	7	68.00
TBCEL	21.96	chr11	11q23.3	26	104.02
SCYL3	21.96	chr1	1q24.2	36	60.73
Hs.541027	21.96	chr18	N/A	3	62.15
IRX1	21.96	chr5	5p15.3	24	77.59
ARHGAP18	21.95	chr6	6q22.33	48	60.91
NSUN3	21.95	chr3	3q11.1	37	74.11
GFRA2	21.95	chr8	8p21.3	57	131.22
Hs.542579	21.95	chr21	N/A	3	57.03
GDPGP1	21.94	chr15	15q26.1	5	69.10
SLC9A8	21.94	chr20	20q13.13	43	85.69
Hs.593087	21.94	chr4	N/A	10	39.53
FCRL2	21.94	chr1	1q21	41	209.82
Hs.636486	21.94	chr15	N/A	11	36.85
Hs.529481	21.94	chr6	N/A	3	33.26
MXD1	21.94	chr2	2p13-p12	67	111.75
GOLT1A	21.93	chr1	1q32.1	30	110.17
LOC284242	21.93	chr18	18q12.1	11	53.98
Hs.733361	21.93	chr8	N/A	26	104.40
FHL5	21.93	chr6	6q16.1-q16.3	32	93.19
Hs.604191	21.93	chr8	N/A	2	20.20
Hs.539941	21.93	chr14	N/A	3	71.80
Hs.145710	21.92	chr5	N/A	11	108.35
Hs.564789	21.92	chr15	N/A	3	50.56
SMG6	21.92	chr17	17p13.3	68	121.33
Hs.699811	21.92	chr16	N/A	7	67.36
MIER3	21.91	chr5	5q11.2	28	94.76
Hs.600867	21.91	chr5	N/A	3	19.70
C14orf64	21.91	chr14	14q32.2	3	48.25
IL36G	21.91	chr2	2q12-q21	21	85.60
DNAJC16	21.91	chr1	1p36.1	47	97.74
Hs.609538	21.91	chr1	N/A	1	0.00
ZNF587B	21.91	chr19	N/A	22	95.70
LINC00671	21.91	chr17	17q21.31	15	64.05
Hs.663553	21.91	chr22	N/A	8	72.42
Hs.693174	21.91	chr1	N/A	5	96.45
Hs.564933	21.91	chr16	N/A	3	65.01
ANKRD22	21.91	chr10	10q23.31	31	146.52
Hs.717136	21.90	chr2	N/A	1	0.00
Hs.569823	21.90	chr17	N/A	3	52.71

Hs.197824	21.90	chr2	N/A	4	29.58
Hs.601169	21.90	chr17	N/A	7	94.58
CREB5	21.89	chr7	7p15.1	77	84.01
FBXO5	21.89	chr6	6q25.2	32	132.92
ZNF503-AS2	21.89	chr10	10q22.2	9	60.05
SLCO1B1	21.89	chr12	12p	31	135.27
Hs.576169	21.89	chr1	N/A	3	64.46
Hs.597910	21.89	chr4	N/A	15	38.58
NAALAD2	21.89	chr11	11q14.3-q21	77	119.81
PCDHB11	21.88	chr5	5q31	26	88.08
SOX12	21.88	chr20	20p13	38	76.12
Hs.582263	21.88	chr5	N/A	3	22.09
SNORD35B	21.88	chr19	19q13.3	3	50.34
Hs.594600	21.88	chr9	N/A	9	38.49
HPD	21.88	chr12	12q24-qter	44	145.87
Hs.666377	21.88	chr18	N/A	3	47.17
Hs.734169	21.87	chr14	N/A	1	0.00
PAQR6	21.87	chr1	1q22	41	69.53
Hs.596194	21.87	chr7	N/A	7	81.84
Hs.668361	21.87	chr3	N/A	7	111.02
TAS2R4	21.87	chr7	7q31.3-q32	21	54.35
Hs.525400	21.87	chr14	N/A	3	23.29
Hs.571511	21.86	chr8	N/A	3	25.05
ODF4	21.86	chr17	17p13.1	18	71.67
Hs.440029	21.86	chr22	N/A	3	54.74
Hs.513580	21.86	chr16	N/A	3	69.22
KNOP1	21.86	chr16	16p12.3	27	67.60
UGT2B28	21.85	chr4	4q13.2	21	119.30
CADM3	21.85	chr1	1q21.2-q22	41	80.37
ZNF800	21.85	chr7	7q31.33	36	95.98
ALG1L	21.85	chr3	3q21.2	26	41.39
TRIM15	21.85	chr6	6p21.3	70	152.01
ERCC4	21.85	chr16	16p13.12	42	135.25
Hs.661065	21.85	chr4	N/A	3	39.48
MAPK13	21.85	chr6	6p21.31	69	93.25
Hs.146949	21.85	chr3	N/A	7	166.25
LANCL2	21.84	chr7	7q31.1-q31.33	40	134.92
BATF	21.84	chr14	14q24.3	30	96.42
Hs.578089	21.84	chr14	N/A	3	104.42
Hs.191230	21.84	chr15	N/A	3	23.10
LOC100506191	21.84	chr2	N/A	10	11.98
BARD1	21.84	chr2	2q34-q35	37	113.47
Hs.733931	21.84	chr6	N/A	3	86.93
Hs.582706	21.84	chr6	N/A	3	47.95
Hs.663788	21.83	chr12	N/A	14	97.36
Hs.662467	21.83	chr20	N/A	2	68.09
GPR50	21.83	chrX	Xq28	23	90.17
GRIN2A	21.83	chr16	16p13.2	80	153.60
Hs.149381	21.83	chr3	N/A	7	32.49
Hs.664801	21.83	chr12	N/A	7	132.77
ZNF778	21.83	chr16	16q24.3	22	119.91
CPNE7	21.83	chr16	16q24.3	33	118.59
Hs.124405	21.83	chr16	N/A	1	0.00
LOC100131360	21.83	chr3	3q29	2	38.22
WISP1	21.83	chr8	8q24.22	71	157.27
Hs.713005	21.83	chr8	N/A	14	47.44
LOC100506154	21.83	chr4	N/A	11	97.32
LOC100506091	21.83	chr6	N/A	10	94.09
Hs.561633	21.81	chr6	N/A	3	8.90
Hs.626133	21.81	chr5	N/A	3	13.32
Hs.579678	21.81	chr19	N/A	3	18.25
Hs.657601	21.81	chr6	N/A	8	65.61
SLC29A3	21.81	chr10	10q22.1	48	85.57
Hs.733489	21.81	chr15	N/A	11	49.35
AFF2	21.81	chrX	Xq28	44	155.56
FAM72B	21.80	chr1	1p11.2	21	131.14

Hs.608547	21.80	chr12	N/A	5	29.54
PAQR4	21.80	chr16	16p13.3	30	138.80
Hs.587044	21.80	chr2	N/A	10	75.32
ANKRD36	21.80	chr2	2q11.2	33	146.01
Hs.502585	21.80	chr11	N/A	5	37.99
Hs.563722	21.80	chr1	N/A	3	46.42
Hs.633900	21.79	chr2	N/A	14	40.27
TAF5L	21.79	chr1	1q42.13	47	78.62
Hs.714937	21.79	chr2	N/A	7	99.73
Hs.656090	21.79	chr3	N/A	5	72.97
Hs.655537	21.79	chr2	N/A	18	73.96
SCN3B	21.79	chr11	11q23.3	63	224.99
QTRT1	21.79	chr19	19p13.3	28	73.64
SIRT7	21.79	chr17	17q25	28	57.36
Hs.603181	21.79	chr10	N/A	8	91.23
Hs.735341	21.79	chr2	N/A	1	0.00
PRDM14	21.78	chr8	8q13.3	24	241.00
Hs.9187	21.78	chr9	N/A	1	0.00
ANGPT2	21.78	chr8	8p23.1	73	186.89
AMPH	21.78	chr7	7p14-p13	67	99.55
MGARP	21.78	chr4	4q31.1	33	71.43
ZNF790	21.77	chr19	19q13.12	25	56.02
Hs.287972	21.77	chr13	N/A	3	74.77
Hs.544834	21.77	chr7	N/A	3	8.21
Hs.565029	21.77	chr17	N/A	3	61.23
Hs.364679	21.77	chr4	N/A	3	63.92
OPRL1	21.77	chr20	20q13.33	37	82.52
Hs.245666	21.76	chr2	N/A	3	28.87
CA9	21.76	chr9	9p13.3	30	77.17
SERTAD4-AS1	21.76	chr1	1q32.2	18	66.81
Hs.126889	21.76	chr3	N/A	6	67.57
Hs.570978	21.76	chr5	N/A	3	15.97
Hs.538167	21.76	chr1	N/A	3	21.46
Hs.677053	21.76	chr20	N/A	1	0.00
Hs.709005	21.75	chr1	N/A	8	30.76
Hs.334005	21.75	chr6	N/A	3	48.39
Hs.74115	21.75	chr1	N/A	8	71.83
ZNF449	21.75	chrX	Xq26.3	37	86.07
Hs.732638	21.75	chr5	N/A	7	131.86
LOC149351	21.75	chr1	1p22.2	38	154.39
MBTD1	21.74	chr17	17q21.33	43	96.06
Hs.613752	21.74	chr19	N/A	3	34.11
KIF25-AS1	21.73	chr6	6q27	37	222.63
Hs.446484	21.73	chr20	N/A	5	70.11
WARS2	21.73	chr1	1p12	59	79.94
Hs.112611	21.73	chr12	N/A	10	113.07
MIS18BP1	21.72	chr14	14q21.2	63	114.47
SLC22A1	21.72	chr6	6q25.3	33	83.28
Hs.170534	21.72	chr4	N/A	3	34.02
Hs.663341	21.72	chr4	N/A	7	180.49
DUSP9	21.71	chrX	Xq28	25	71.68
Hs.664765	21.71	chr1	N/A	7	102.81
Hs.660230	21.71	chr7	N/A	7	60.85
LMTK3	21.71	chr19	19q13.33	18	123.51
LOC100506411	21.71	chr14	N/A	11	29.86
CPA2	21.71	chr7	7q32	28	120.82
CDH15	21.71	chr16	16q24.3	35	117.20
Hs.660262	21.71	chr2	N/A	14	140.92
TBC1D22B	21.71	chr6	6p21.2	44	161.96
Hs.670914	21.70	chr4	N/A	1	0.00
LINC00277	21.70	chr15	15q23	9	121.49
MSANTD2	21.69	chr11	11q24.2	48	106.00
WDR89	21.69	chr14	14q23.2	44	107.97
PCDHB2	21.69	chr5	5q31	37	125.13
ANP32D	21.69	chr12	12q13.11	21	99.34
Hs.446269	21.69	chr20	N/A	1	0.00

LRRC37A	21.68	chr17	17q21.31	15	80.46
Hs.596059	21.68	chr9	N/A	2	23.37
Hs.540522	21.68	chr16	N/A	3	67.56
Hs.123317	21.68	chr8	N/A	3	25.95
TAF1A	21.68	chr1	1q42	36	118.23
HEMK1	21.67	chr3	3p21.3	55	105.94
LOC253039	21.67	chr9	9q33.2	64	81.84
FAM180A	21.67	chr7	7q33	13	58.93
KIAA1704	21.67	chr13	13q13-q14	60	123.42
Hs.210351	21.67	chr8	N/A	3	26.08
SLX4	21.67	chr16	16p13.3	27	92.96
AIM1	21.67	chr6	6q21	29	65.39
Hs.555574	21.67	chr2	N/A	3	14.37
Hs.652555	21.66	chr7	N/A	1	0.00
Hs.660050	21.66	chr14	N/A	1	0.00
Hs.584836	21.66	chr13	N/A	14	116.89
Hs.563234	21.66	chr4	N/A	3	32.73
Hs.667126	21.66	chr7	N/A	3	79.53
Hs.146933	21.66	chr5	N/A	10	137.05
CCL4L2	21.66	chr17	17q12	6	90.85
Hs.659449	21.66	chr21	N/A	8	49.46
Hs.199765	21.65	chr13	N/A	3	38.00
NEUROD2	21.65	chr17	17q12	41	92.79
RAPGEF5	21.65	chr7	7p15.3	34	112.49
Hs.603046	21.65	chr4	N/A	7	103.16
Hs.634037	21.65	chr7	N/A	8	125.12
CPA4	21.65	chr7	7q32	40	83.53
Hs.252466	21.65	chr21	N/A	3	59.31
ARHGDI3	21.64	chr16	16p13.3	26	79.47
Hs.552357	21.64	chr12	N/A	10	118.59
SUSD3	21.64	chr9	9q22.31	27	58.15
Hs.564197	21.64	chr11	N/A	3	35.52
ZNF451	21.63	chr6	6p12.1	68	96.29
C17orf50	21.63	chr17	17q12	17	85.37
EVI2A	21.63	chr17	17q11.2	36	135.28
CENPH	21.63	chr5	5p15.2	22	52.75
Hs.542407	21.63	chr20	N/A	3	37.61
OR4D10	21.63	chr11	11q12.1	8	93.55
Hs.654974	21.63	chr2	N/A	16	56.38
RTP4	21.63	chr3	3q27.3	28	66.82
Hs.602363	21.63	chr3	N/A	7	80.73
NUTM2A-AS1	21.63	chr10	10q23.2	15	52.52
Hs.667483	21.63	chr7	N/A	7	109.91
RIPK4	21.63	chr21	21q22.3	39	105.60
VSTM2A	21.62	chr7	7p11.2	49	346.81
Hs.16920	21.62	chr3	N/A	3	27.90
ACTR3B	21.62	chr7	7q36.1	51	90.71
ZNF280D	21.62	chr15	15q21.3	50	94.73
Hs.610726	21.62	chr12	N/A	4	74.45
Hs.124421	21.61	chr5	N/A	5	73.44
RETNLB	21.61	chr3	3q13.1	32	91.30
Hs.735548	21.61	chr7	N/A	1	0.00
Hs.586184	21.61	chr5	N/A	8	97.91
SLC38A3	21.60	chr3	3p21.3	40	78.82
POU1F1	21.60	chr3	3p11	27	95.08
CDC25C	21.60	chr5	5q31	46	155.37
THAP5	21.60	chr7	7q31.1	76	187.00
Hs.705513	21.60	chr4	N/A	7	60.39
KLHDC1	21.59	chr14	14q21.3	31	66.31
Hs.734179	21.59	chr9	N/A	3	95.69
Hs.565044	21.59	chr17	N/A	3	31.47
Hs.544494	21.59	chr6	N/A	10	131.87
Hs.583888	21.59	chr8	N/A	3	20.42
Hs.543385	21.59	chr4	N/A	3	22.06
Hs.604686	21.59	chr2	N/A	7	106.55
ITIH3	21.59	chr3	3p21.1	30	50.98

AP1M2	21.59	chr19	19p13.2	33	84.35
Hs.538183	21.59	chr1	N/A	3	62.14
Hs.712586	21.59	chr11	N/A	5	47.73
Hs.667755	21.59	chr8	N/A	7	90.06
MEOX2	21.58	chr7	7p22.1-p21.3	34	95.11
Hs.729677	21.58	chr2	N/A	2	39.53
LOC388210	21.58	chr16	16p13.13	3	10.92
ENO1-AS1	21.58	chr1	1p36.2	14	115.38
Hs.737589	21.57	chr9	N/A	1	0.00
ZNF154	21.57	chr19	19q13.4	31	75.86
MC2R	21.57	chr18	18p11.2	33	113.55
Hs.597760	21.57	chr14	N/A	7	54.97
Hs.614891	21.57	chr3	N/A	4	48.37
LOC100507507	21.57	chr7	N/A	7	61.43
KIAA1432	21.57	chr9	9p24.1	67	97.61
ACRC	21.57	chrX	Xq13.1	26	79.07
Hs.545397	21.57	chr8	N/A	3	69.18
Hs.130286	21.57	chr19	N/A	1	0.00
Hs.540171	21.57	chr15	N/A	3	60.98
Hs.506139	21.56	chr12	N/A	3	88.34
Hs.600574	21.56	chr7	N/A	7	60.08
LOC388942	21.56	chr2	2p21	3	71.16
C6orf132	21.56	chr6	6p21.1	24	171.97
Hs.554718	21.56	chr4	N/A	3	43.90
FLJ44635	21.55	chrX	Xq13.1	9	71.68
C20orf196	21.55	chr20	20p12.3	36	102.08
Hs.736627	21.55	chr10	N/A	3	41.89
Hs.713695	21.55	chr18	N/A	15	40.06
GNB3	21.55	chr12	12p13	29	85.10
CNTFR	21.55	chr9	9p13	43	110.11
Hs.594546	21.55	chr11	N/A	8	139.44
Hs.552155	21.55	chr10	N/A	3	14.70
Hs.669051	21.54	chr8	N/A	1	0.00
Hs.163813	21.54	chr1	N/A	11	151.26
Hs.578532	21.54	chr15	N/A	3	54.68
Hs.563897	21.54	chr1	N/A	3	5.95
Hs.445149	21.54	chr9	N/A	4	54.86
RNF168	21.54	chr3	3q29	25	65.54
Hs.546108	21.53	chrX	N/A	3	89.41
Hs.590304	21.53	chr5	N/A	3	38.06
PCDHB16	21.53	chr5	5q31	20	42.88
Hs.577618	21.53	chr1	N/A	3	31.48
KLHDC4	21.53	chr16	16q24.3	68	105.56
Hs.30026	21.53	chr1	N/A	10	89.15
FAM189A1	21.53	chr15	15q13.1	27	89.22
Hs.733433	21.53	chr17	N/A	3	99.98
Hs.654011	21.53	chr13	N/A	3	16.60
PPFIBP2	21.53	chr11	11p15.4	59	95.05
PLEKHG6	21.53	chr12	12p13.31	28	88.48
ARSE	21.52	chrX	Xp22.3	30	126.29
Hs.93963	21.52	chr6	N/A	4	43.67
LOC100506351	21.52	chr8	N/A	6	80.17
FBXO41	21.52	chr2	2p13.2	35	61.24
Hs.622344	21.52	chr17	N/A	10	33.58
PALB2	21.51	chr16	16p12.2	28	87.94
SLC7A3	21.51	chrX	Xq13.1	19	143.11
TXNDC2	21.51	chr18	N/A	28	190.31
Hs.737245	21.51	chr7	N/A	1	0.00
ZCCHC7	21.51	chr9	9p13.2	50	109.50
GSTA1	21.51	chr6	6p12.1	26	223.42
Hs.564127	21.51	chr10	N/A	3	23.57
Hs.543910	21.50	chr5	N/A	3	59.84
Hs.323783	21.50	chr1	N/A	2	19.12
Hs.104091	21.50	chr9	N/A	14	51.87
Hs.566388	21.50	chr5	N/A	3	74.69
Hs.596577	21.49	chr21	N/A	10	161.91

OR7C2	21.49	chr19	19p13.1	21	68.11
BRF1	21.49	chr14	14q	81	83.46
Hs.589563	21.49	chr18	N/A	1	0.00
Hs.705981	21.49	chr4	N/A	14	151.43
KCNS1	21.49	chr20	20q12	32	131.82
Hs.738295	21.49	chr14	N/A	3	66.35
KLK6	21.49	chr19	19q13.3	33	104.43
SPANXC	21.49	chrX	Xq27.1	14	163.60
Hs.666652	21.49	chr1	N/A	7	79.69
Hs.596724	21.49	chr15	N/A	4	113.34
Hs.570237	21.49	chr2	N/A	3	7.21
ELSPBP1	21.49	chr19	19q13.33	26	156.45
Hs.545286	21.49	chr8	N/A	3	24.75
ABCB9	21.49	chr12	12q24	57	103.17
Hs.93780	21.48	chr3	N/A	17	42.66
CXorf23	21.48	chrX	Xp22.12	35	176.72
Hs.564822	21.48	chr15	N/A	3	98.71
GCNT1	21.48	chr9	9q13	36	116.59
LOC100507054	21.48	chr4	N/A	4	36.70
PRSS8	21.48	chr16	16p11.2	35	68.50
FBXL22	21.47	chr15	15q22.31	27	158.81
RGS1	21.47	chr1	1q31	37	123.83
UTF1	21.47	chr10	10q26	23	83.19
TFPI2	21.47	chr7	7q22	45	171.20
Hs.602192	21.47	chr2	N/A	7	50.89
Hs.563818	21.47	chr1	N/A	3	13.53
Hs.583361	21.47	chr7	N/A	3	55.90
Hs.732510	21.47	chr2	N/A	5	83.19
LINC00260	21.46	chr1	1q32.1	18	93.17
VPS13A-AS1	21.46	chr9	9q21.2	8	99.21
MASTL	21.46	chr10	10p12.1	43	132.00
Hs.660632	21.46	chr1	N/A	2	49.92
Hs.130653	21.46	chr7	N/A	6	101.86
SHOX2	21.46	chr3	3q25.32	63	106.30
SAMD12-AS1	21.45	chr8	8q24.12	3	40.11
Hs.668150	21.45	chr9	N/A	2	62.10
TNFRSF8	21.45	chr1	1p36	40	87.89
Hs.634086	21.45	chr1	N/A	1	0.00
LIPK	21.45	chr10	10q23.31	9	64.47
EIF2AK3	21.45	chr2	2p12	36	68.64
Hs.599346	21.45	chr1	N/A	1	0.00
DDI1	21.44	chr11	11q22.3	19	187.33
Hs.636863	21.44	chr7	N/A	3	28.98
Hs.721568	21.44	chr9	N/A	7	168.28
ZNF474	21.44	chr5	5q23.2	7	83.61
Hs.26016	21.44	chr18	N/A	3	46.11
AADACL4	21.44	chr1	1p36.21	3	14.99
LOC100505986	21.44	chr9	N/A	1	0.00
AQP10	21.43	chr1	1q21.3	27	52.55
Hs.541410	21.43	chr19	N/A	3	58.71
Hs.472118	21.43	chr20	N/A	3	66.36
PI4K2B	21.43	chr4	4p15.2	22	83.84
Hs.622240	21.43	chr1	N/A	1	0.00
HNF1B	21.42	chr17	17q12	82	127.86
Hs.581202	21.42	chr3	N/A	7	138.70
Hs.570189	21.42	chr2	N/A	10	98.80
FAM20A	21.42	chr17	17q24.2	38	75.55
Hs.477736	21.42	chr3	N/A	3	11.97
Hs.745172	21.42	chrY	N/A	10	33.40
Hs.642472	21.41	chr11	N/A	3	60.67
Hs.164401	21.41	chr2	N/A	3	15.15
SHANK1	21.41	chr19	19q13.3	21	80.44
OR10C1	21.41	chr6	6p22.1	24	72.58
Hs.537150	21.41	chr11	N/A	6	57.01
Hs.152432	21.41	chr8	N/A	11	26.65
RAB26	21.41	chr16	16p13.3	33	76.71

Hs.545883	21.41	chr9	N/A	3	49.00
GUCY1A2	21.41	chr11	11q21-q22	77	142.70
ZBED6	21.41	chr1	1q32.1	10	67.23
Hs.124848	21.41	chr14	N/A	3	65.01
Hs.557234	21.40	chr14	N/A	5	87.38
Hs.554702	21.40	chr22	N/A	3	15.56
Hs.668213	21.40	chr11	N/A	8	88.23
Hs.566873	21.40	chr8	N/A	3	23.13
AMIGO1	21.40	chr1	1p13.3	28	79.56
LOC200726	21.40	chr2	2q33.3	13	147.70
PPP1R14D	21.40	chr15	15q15.1	21	110.43
KLF8	21.39	chrX	Xp11.21	56	111.62
Hs.599607	21.39	chr7	N/A	7	62.63
Hs.543386	21.39	chr4	N/A	3	18.89
GSG1	21.39	chr12	12p13.1	35	126.30
Hs.592329	21.39	chr14	N/A	3	26.91
SLC6A9	21.39	chr1	1p33	29	79.83
Hs.566139	21.38	chr4	N/A	3	70.54
KDM1B	21.38	chr6	6p22.3	34	158.75
AVIL	21.38	chr12	12q14.1	67	83.73
Hs.571181	21.38	chr6	N/A	3	21.96
Hs.656132	21.38	chr7	N/A	3	68.27
SEMA3E	21.38	chr7	7q21.11	36	248.73
Hs.592861	21.38	chr5	N/A	18	103.35
PRAMEF12	21.38	chr1	1p36.21	17	94.27
Hs.629427	21.38	chr18	N/A	10	27.72
RFC5	21.38	chr12	12q24.23	33	115.74
NFYA	21.37	chr6	6p21.3	89	143.79
EFNA3	21.37	chr1	1q21-q22	25	173.09
ZNF836	21.37	chr19	19q13.41	4	58.58
Hs.147791	21.37	chr2	N/A	2	19.57
Hs.527669	21.37	chr1	N/A	3	19.03
Hs.527671	21.37	chr1	N/A	3	132.12
KIF7	21.36	chr15	15q26.1	26	107.27
Hs.446028	21.36	chr10	N/A	3	42.16
Hs.594968	21.36	chr5	N/A	27	50.85
PLEKHG5	21.36	chr1	1p36.31	47	68.10
Hs.98462	21.36	chr3	N/A	5	68.40
Hs.675077	21.36	chr3	N/A	3	35.48
Hs.577170	21.36	chr11	N/A	3	68.27
Hs.658036	21.35	chr16	N/A	1	0.00
Hs.734962	21.35	chr14	N/A	1	0.00
ZBED6CL	21.35	chr7	7q36.1	26	60.47
DEF6	21.35	chr6	6p21.33-p21.1	29	132.86
MUC20	21.35	chr3	3q29	32	71.86
UBXN10	21.35	chr1	1p36.12	45	87.83
LRRCC1	21.35	chr8	8q21.2	42	188.47
DAK	21.34	chr11	11q12.2	29	84.04
ANO9	21.34	chr11	11p15.5	26	151.15
Hs.563805	21.34	chr1	N/A	3	4.70
LOC100127947	21.34	chr1	1p34.3	7	82.81
Hs.732162	21.34	chr18	N/A	8	150.28
Hs.606113	21.34	chr10	N/A	12	77.60
CDCA7	21.34	chr2	2q31	46	202.17
LOC100129104	21.33	chr8	8q24.22	2	57.55
Hs.541025	21.33	chr18	N/A	3	51.21
HCRP1	21.33	chr6	6p21.1	10	62.54
Hs.28773	21.33	chr20	N/A	11	59.58
Hs.548984	21.33	chr9	N/A	3	32.47
ITGA2	21.33	chr5	5q11.2	69	116.21
Hs.537217	21.33	chr14	N/A	3	38.90
ASB11	21.32	chrX	Xp22.31	25	102.70
Hs.438801	21.32	chr5	N/A	8	180.25
Hs.663391	21.32	chr20	N/A	8	74.98
Hs.553231	21.32	chr15	N/A	3	39.11
NEDD1	21.31	chr12	12q23.1	43	123.36

ATAD2	21.31	chr8	8q24.13	157	87.38
Hs.576398	21.31	chr1	N/A	3	23.55
Hs.666494	21.31	chr9	N/A	8	86.22
NFASC	21.31	chr1	1q32.1	92	94.57
ADAMTSL1	21.31	chr9	9p21.3	100	136.05
NCAPH	21.31	chr2	2q11.2	30	258.07
C2orf43	21.30	chr2	2p24.1	52	88.09
GMDS	21.30	chr6	6p25	52	172.99
Hs.582219	21.30	chr5	N/A	3	45.19
Hs.544849	21.30	chr7	N/A	3	21.17
Hs.655779	21.30	chr6	N/A	7	52.23
Hs.546037	21.30	chrX	N/A	3	20.66
Hs.687387	21.30	chr7	N/A	3	70.88
Hs.591186	21.30	chr17	N/A	1	0.00
Hs.233356	21.29	chr1	N/A	3	48.53
GRAMD1B	21.29	chr11	11q24.1	50	123.10
GSG1L	21.29	chr16	16p12.1	28	160.39
Hs.571243	21.28	chr7	N/A	3	50.37
Hs.580442	21.28	chr2	N/A	3	63.19
Hs.732808	21.28	chr10	N/A	3	79.20
ZBTB41	21.28	chr1	1q31.3	46	144.41
Hs.578774	21.28	chr16	N/A	3	32.36
Hs.648885	21.28	chr7	N/A	11	87.32
Hs.737297	21.28	chr14	N/A	3	27.07
SDK1	21.28	chr7	7p22.2	74	202.77
USP36	21.28	chr17	17q25.3	44	90.46
Hs.580802	21.28	chr20	N/A	3	61.88
Hs.545866	21.27	chr9	N/A	3	52.70
Hs.231655	21.27	chr1	N/A	14	97.04
Hs.570367	21.27	chr20	N/A	3	61.19
SGK494	21.27	chr17	17q11.2	20	82.75
Hs.583004	21.27	chr6	N/A	3	59.96
ANO2	21.27	chr12	12p13.3	26	60.10
LMAN1L	21.27	chr15	15q24.1	35	84.92
FGFR4	21.27	chr5	5q35.1-qter	48	139.25
VCX2	21.27	chrX	Xp22.32	51	235.96
Hs.734384	21.27	chr14	N/A	7	81.71
ALS2CR11	21.27	chr2	2q33.1	30	195.76
Hs.577974	21.26	chr13	N/A	3	22.87
RGS4	21.26	chr1	1q23.3	64	99.64
DBF4B	21.26	chr17	17q21	63	82.76
Hs.333675	21.25	chr10	N/A	3	51.12
Hs.435031	21.25	chr5	N/A	3	35.86
P2RY4	21.25	chrX	Xq13	21	72.30
ARSD	21.25	chrX	Xp22.3	66	129.52
Hs.540473	21.25	chr16	N/A	7	79.58
APBA1	21.25	chr9	9q13-q21.1	64	85.86
MMP7	21.25	chr11	11q21-q22	48	162.73
Hs.590826	21.24	chrX	N/A	3	31.05
GLB1L2	21.24	chr11	11q25	36	194.42
SAMSN1	21.24	chr21	21q11	47	177.52
LINC00342	21.24	chr2	2q11.2	25	45.34
Hs.666252	21.23	chr16	N/A	7	76.35
LOC100130456	21.23	chr7	7p22.3	11	29.25
SNIP1	21.23	chr1	1p34.3	44	93.45
Hs.649714	21.23	chr13	N/A	3	66.83
Hs.574278	21.23	chr15	N/A	3	34.63
Hs.565311	21.22	chr2	N/A	3	34.77
HDC	21.22	chr15	15q21-q22	23	60.79
FGL1	21.22	chr8	8p22	52	93.16
Hs.471011	21.21	chr2	N/A	21	92.80
C8orf56	21.21	chr8	8q22.3	14	52.77
LOC100506048	21.21	chr4	N/A	16	57.48
Hs.564404	21.21	chr12	N/A	3	46.61
CCNG2	21.21	chr4	4q21.1	70	70.25
NR5A2	21.21	chr1	1q32.1	95	143.66

Hs.461694	21.21	chr16	N/A	3	30.22
Hs.551274	21.20	chr1	N/A	3	36.13
Hs.117688	21.20	chr8	N/A	9	78.79
C11orf39	21.20	chr11	11q25	16	76.11
Hs.545844	21.20	chr9	N/A	3	52.00
PRSS12	21.20	chr4	4q28.1	61	231.43
Hs.600936	21.20	chr4	N/A	3	47.55
LCE3C	21.20	chr1	1q21.3	16	129.97
CRTAC1	21.20	chr10	10q22	36	89.04
Hs.721028	21.20	chr5	N/A	7	86.17
MLLT3	21.20	chr9	9p22	54	165.14
Hs.667741	21.20	chr12	N/A	6	95.78
LOC553103	21.20	chr5	N/A	1	0.00
Hs.660216	21.20	chr3	N/A	8	82.12
Hs.659096	21.19	chr9	N/A	8	94.68
MAPK15	21.19	chr8	N/A	35	96.16
LOC648044	21.19	chr19	19p13.2	3	45.52
ZNF606	21.19	chr19	19q13.4	29	60.99
Hs.594265	21.19	chr5	N/A	7	41.49
Hs.568712	21.18	chr1	N/A	3	62.56
NHEJ1	21.18	chr2	2q35	23	87.74
Hs.498432	21.18	chr1	N/A	3	38.99
C5orf27	21.17	chr5	5q15	29	69.13
C16orf78	21.17	chr16	16q12.1	19	103.52
Hs.409403	21.17	chr2	N/A	3	18.36
Hs.571331	21.17	chr7	N/A	1	0.00
Hs.661830	21.17	chr7	N/A	2	73.74
Hs.734270	21.17	chr2	N/A	1	0.00
LOC286083	21.17	chr8	8p23.3	4	69.71
SLC36A2	21.17	chr5	5q33.1	22	195.63
LOC100128079	21.16	chr16	16p11.2	3	93.77
PRSS21	21.16	chr16	16p13.3	41	99.83
ZNF583	21.16	chr19	19q13.43	15	24.85
LGALS12	21.15	chr11	11q13	21	71.13
Hs.547771	21.15	chr7	N/A	1	0.00
Hs.584582	21.15	chrX	N/A	3	76.75
F2RL3	21.15	chr19	19p12	43	86.95
Hs.561445	21.15	chr5	N/A	1	0.00
OCLN	21.14	chr5	5q13.1	68	147.03
Hs.317080	21.14	chr17	N/A	1	0.00
MFSD7	21.14	chr4	4p16.3	41	76.66
CKAP2	21.14	chr13	13q14	94	123.50
CNDP1	21.14	chr18	18q22.3	19	59.53
Hs.132526	21.14	chr1	N/A	11	46.52
Hs.541222	21.14	chr19	N/A	3	58.84
LOC644617	21.13	chr2	2q12.1	21	64.86
Hs.543412	21.13	chr4	N/A	3	62.33
Hs.597246	21.13	chr15	N/A	7	83.63
ZNF669	21.13	chr1	1q44	24	93.49
NRCAM	21.12	chr7	7q31	54	222.00
NRP2	21.12	chr2	2q33.3	124	115.36
CABP4	21.12	chr11	11q13.2	24	75.72
Hs.287137	21.12	chr1	N/A	3	13.39
Hs.564097	21.12	chr10	N/A	3	49.29
Hs.660816	21.12	chr2	N/A	10	73.10
CD1A	21.12	chr1	1q22-q23	40	122.62
Hs.602603	21.12	chr4	N/A	7	60.47
BOLL	21.12	chr2	2q33	50	292.78
PPFIA3	21.11	chr19	19q13.33	35	58.55
FOXH1	21.11	chr8	8q24.3	24	72.24
Hs.595942	21.11	chr11	N/A	10	183.66
Hs.21820	21.11	chr9	N/A	3	59.36
FERIL5	21.11	chr2	2q11.2	15	81.53
Hs.666226	21.11	chr15	N/A	8	62.23
CPN2	21.11	chr3	3q29	42	95.79
TDPI	21.11	chr14	14q32.11	61	129.90

Hs.587092	21.11	chr2	N/A	14	53.73
ZNF821	21.10	chr16	16q22.2	36	92.12
IL6R	21.10	chr1	1q21	44	84.56
PPEF1	21.10	chrX	Xp22	47	167.44
Hs.635341	21.10	chr19	N/A	1	0.00
Hs.407903	21.10	chr12	N/A	3	145.01
Hs.109154	21.10	chr2	N/A	8	68.04
NPSR1	21.10	chr7	7p14.3	22	147.33
Hs.655421	21.09	chr2	N/A	1	0.00
Hs.148504	21.09	chr2	N/A	3	28.60
ZNF333	21.08	chr19	19p13	64	119.84
ZNF616	21.08	chr19	19q13.41	37	198.36
Hs.560351	21.08	chr15	N/A	10	39.49
Hs.582855	21.08	chr6	N/A	3	44.67
LOC100506746	21.08	chr4	4q21	7	51.24
PVT1	21.08	chr8	8q24	52	114.77
Hs.574731	21.08	chr2	N/A	3	59.48
P2RY14	21.08	chr3	3q24-q25.1	36	83.37
NEK1	21.08	chr4	4q33	98	110.95
IFNA7	21.07	chr9	9p22	14	81.21
NRF1	21.06	chr7	7q32	62	135.03
STON2	21.06	chr14	14q31.1	66	173.73
Hs.560917	21.06	chr2	N/A	3	63.56
RSRC1	21.06	chr3	3q25.32	34	76.29
Hs.597181	21.06	chr1	N/A	7	62.66
ZNF250	21.06	chr8	8q24.3	45	82.34
Hs.559916	21.06	chr11	N/A	3	26.09
DUSP10	21.06	chr1	1q41	59	92.42
ZNF8	21.06	chr19	19q13.43	35	80.48
Hs.542994	21.05	chr3	N/A	3	40.01
Hs.676885	21.05	chr14	N/A	1	0.00
AVPR1B	21.05	chr1	1q32	25	137.41
NFATC4	21.05	chr14	14q11.2	40	92.09
DLG5-AS1	21.05	chr10	10q22.3	1	0.00
TBC1D26	21.05	chr17	17p11.2	15	217.41
FLJ32790	21.04	chr16	16p13.13	11	222.91
BNIP1	21.04	chr1	1q21.3	36	150.12
Hs.553289	21.04	chr9	N/A	3	10.50
TARP	21.04	chr7	7p15-p14	96	86.73
Hs.604425	21.04	chr9	N/A	7	105.61
LOC100507250	21.04	chr12	N/A	3	80.53
CELF2-AS2	21.04	chr10	10p14	3	42.38
Hs.662969	21.03	chr2	N/A	7	89.75
AMELX	21.03	chrX	Xp22.31-p22.1	25	89.67
CC2D2B	21.03	chr10	10q24.1	31	87.06
Hs.659886	21.02	chr6	N/A	1	0.00
Hs.542101	21.02	chr2	N/A	3	61.64
SNX29	21.02	chr16	16p13.13-p13.12	73	96.84
Hs.547693	21.02	chr5	N/A	3	41.04
COL6A6	21.02	chr3	3q22.1	11	39.83
ROR2	21.02	chr9	9q22	63	106.59
Hs.570788	21.02	chr4	N/A	3	64.09
DKFZP434F142	21.02	chr7	7q11.21	2	26.26
Hs.655072	21.02	chr22	N/A	1	0.00
CCSAP	21.02	chr1	1q42.13	66	121.51
Hs.658160	21.02	chr5	N/A	3	25.68
LOC645100	21.02	chr12	12q14.2	3	48.61
PDCD4-AS1	21.01	chr10	10q25.2	15	75.16
Hs.545759	21.01	chr9	N/A	3	90.92
Hs.578456	21.01	chr15	N/A	3	60.95
ABHD15	21.01	chr17	17q11.2	26	76.24
ZNF98	21.01	chr19	19p12	3	40.85
Hs.545947	21.01	chrX	N/A	3	24.81
SNORD25	21.01	chr11	11q13	3	57.91
Hs.663078	21.01	chr1	N/A	3	44.08
Hs.701518	21.01	chr18	N/A	7	56.72

Hs.125477	21.00	chr17	N/A	10	107.44
Hs.634585	21.00	chr17	N/A	3	68.26
LOC100288798	21.00	chr12	12q13.11	14	36.63
GPR20	21.00	chr8	8q24.3	38	75.65
Hs.606505	21.00	chr14	N/A	1	0.00
Hs.201600	21.00	chr4	N/A	4	58.26
APC2	21.00	chr19	19p13.3	64	113.18
Hs.391051	21.00	chr19	N/A	8	101.60
Hs.538176	20.99	chr1	N/A	3	52.29
Hs.164254	20.99	chr12	N/A	3	30.04
Hs.79881	20.99	chr3	N/A	21	93.29
Hs.283819	20.99	chr3	N/A	17	128.19
GPX8	20.99	chr5	5q11.2	137	60.84
DTNB	20.99	chr2	2p24	45	101.25
Hs.563878	20.99	chr1	N/A	7	90.67
Hs.561481	20.98	chr5	N/A	3	49.26
Hs.582172	20.98	chr5	N/A	7	65.99
Hs.539159	20.98	chr12	N/A	3	23.06
Hs.734464	20.98	chr17	N/A	1	0.00
DGAT2L6	20.97	chrX	Xq13.1	12	83.24
Hs.397803	20.97	chr21	N/A	3	32.45
ZNF883	20.97	chr9	9q32	1	0.00
Hs.17910	20.97	chr2	N/A	1	0.00
Hs.574152	20.97	chr14	N/A	7	108.72
LOC100507376	20.96	chr4	N/A	19	56.24
LRRC1	20.96	chr6	6p12.1	44	103.77
Hs.551324	20.96	chr13	N/A	3	24.13
ZNF777	20.96	chr7	7q36.1	62	76.82
Hs.539918	20.96	chr14	N/A	3	70.61
SPNS3	20.96	chr17	17p13.2	16	72.35
NAV3	20.96	chr12	12q14.3	65	144.87
KLHDC8A	20.96	chr1	1q32.1	36	102.47
ST3GAL4-AS1	20.96	chr11	11q24.2	16	99.06
LTB4R	20.95	chr14	14q11.2-q12	31	58.94
AMPD1	20.95	chr1	1p13	30	130.14
DKFZp434L192	20.95	chr7	7p11.2	11	75.96
Hs.545021	20.95	chr7	N/A	3	21.99
Hs.665133	20.95	chr19	N/A	1	0.00
Hs.714131	20.95	chr16	N/A	7	38.69
CDRT4	20.95	chr17	17p12	25	105.64
TTL8	20.94	chr22	22q13.33	15	39.96
PROK1	20.94	chr1	1p21	26	66.18
POU6F1	20.94	chr12	12q13.13	46	71.95
Hs.634781	20.94	chr15	N/A	1	0.00
Hs.147566	20.94	chr9	N/A	5	71.42
TMEM31	20.93	chrX	Xq22.2	24	68.02
LOC81691	20.92	chr16	16p12.3	35	123.86
GYG2	20.92	chrX	Xp22.3	50	82.65
PPIL4	20.92	chr6	6q25.1	30	109.81
KRT13	20.92	chr17	17q12-q21.2	42	123.47
Hs.662920	20.92	chr1	N/A	8	81.52
Hs.707463	20.91	chr12	N/A	1	0.00
Hs.657792	20.91	chr12	N/A	10	44.17
Hs.517094	20.91	chr20	N/A	11	62.21
Hs.665781	20.91	chr2	N/A	1	0.00
CELA3B	20.91	chr1	1p36.12	33	105.05
Hs.712621	20.90	chr17	N/A	3	65.48
C11orf52	20.90	chr11	11q23.1	19	68.12
LOC441528	20.90	chrX	Xp22.33	20	152.21
LOC100505651	20.90	chr20	N/A	3	49.18
A1CF	20.90	chr10	10q11.23	63	197.87
TAS2R41	20.89	chr7	7q35	16	56.77
NFE2	20.89	chr12	12q13	29	88.04
PROSER2	20.89	chr10	10p14	51	103.73
Hs.679453	20.89	chr6	N/A	1	0.00
Hs.545089	20.89	chr7	N/A	2	64.22

MUC21	20.89	chr6	6p21.32	9	83.72
PHC3	20.89	chr3	3q26.2	85	147.85
HCG23	20.88	chr6	6p21	2	79.89
CCR5	20.88	chr3	3p21.31	51	73.81
Hs.522004	20.88	chr9	N/A	3	57.68
Hs.604902	20.88	chr4	N/A	7	72.97
RUNX1	20.88	chr21	21q22.3	123	110.88
CES3	20.88	chr16	16q22.1	35	123.94
MGC15705	20.88	chr22	22q12.2	16	119.33
Hs.541235	20.87	chr19	N/A	3	30.18
MS4A2	20.87	chr11	11q12-q13	35	66.51
HYAL3	20.87	chr3	3p21.3	60	75.92
DLX2	20.87	chr2	2q32	56	148.49
ASB12	20.87	chrX	Xq11.2	26	109.31
Hs.404095	20.87	chr4	N/A	3	71.48
Hs.552399	20.87	chr15	N/A	3	39.94
Hs.656220	20.87	chr2	N/A	1	0.00
LOC100996419	20.86	chr5	N/A	5	58.22
Hs.122368	20.86	chr14	N/A	3	55.69
NADSYN1	20.86	chr11	11q13.4	38	98.57
RBP5	20.86	chr12	12p13.31	35	139.75
Hs.661975	20.86	chr6	N/A	7	63.26
Hs.535266	20.86	chr1	N/A	7	60.09
Hs.264606	20.85	chr8	N/A	21	176.06
TAS2R16	20.85	chr7	7q31	21	75.11
Hs.560123	20.85	chr12	N/A	10	71.55
NEK11	20.85	chr3	3q22.1	39	112.83
Hs.666607	20.84	chr6	N/A	7	81.84
GABPB1	20.84	chr15	15q21.2	50	92.78
PRRG2	20.84	chr19	19q13.33	30	84.62
SH3YL1	20.84	chr2	2p25.3	46	98.02
FLJ43879	20.84	chr2	2q37.3	3	60.77
LOC644086	20.84	chr7	7p15.1	9	68.45
LCT	20.84	chr2	2q21	26	203.37
Hs.566735	20.84	chr7	N/A	3	42.62
Hs.32118	20.83	chrX	N/A	22	178.72
Hs.565912	20.83	chr3	N/A	3	48.03
Hs.278908	20.83	chr3	N/A	7	110.70
Hs.504422	20.83	chr12	N/A	1	0.00
ZIK1	20.83	chr19	19q13.43	24	70.43
C9orf91	20.83	chr9	9q32	63	85.47
Hs.675113	20.83	chr10	N/A	1	0.00
Hs.197962	20.83	chr5	N/A	36	159.49
Hs.617893	20.82	chr1	N/A	3	28.82
FLJ45256	20.82	chr16	16p12.1	6	91.57
SKAP1	20.82	chr17	17q21.32	40	87.90
Hs.660430	20.82	chr8	N/A	8	79.87
ATG4C	20.82	chr1	1p31.3	39	64.30
Hs.540740	20.82	chr17	N/A	3	22.43
OSGIN1	20.82	chr16	16q23.3	27	134.66
LILRA4	20.82	chr19	19q13.4	30	130.93
Hs.349049	20.82	chr15	N/A	3	5.94
AP1S1	20.81	chr7	7q22.1	54	93.29
Hs.573552	20.81	chr9	N/A	3	8.40
CSTA	20.81	chr3	3q21	40	156.89
Hs.600998	20.81	chr7	N/A	1	0.00
PAR1	20.81	chr15	15q11.2	21	84.31
Hs.134644	20.81	chr7	N/A	3	38.92
KCNMB2	20.81	chr3	3q26.32	59	75.63
Hs.732654	20.81	chr17	N/A	8	44.08
Hs.659034	20.80	chr18	N/A	8	92.66
Hs.667389	20.80	chr12	N/A	7	56.00
Hs.735305	20.80	chr4	N/A	3	54.24
Hs.664513	20.80	chr19	N/A	10	148.91
SLC9B2	20.80	chr4	4q24	37	181.47
Hs.528183	20.80	chr2	N/A	3	78.91

CA3	20.80	chr8	8q21.2	31	78.70
Hs.667808	20.80	chr2	N/A	2	72.58
ZBTB18	20.80	chr1	1q44-qter	53	210.80
Hs.134028	20.80	chr4	N/A	3	65.35
Hs.740496	20.80	chr7	N/A	5	61.78
PII5	20.80	chr8	8q21.11	27	105.25
Hs.663724	20.80	chr7	N/A	2	100.17
DIO3OS	20.79	chr14	14q32.31	30	72.85
PIDD	20.79	chr11	11p15.5	39	67.85
Hs.635069	20.79	chr17	N/A	7	63.53
Hs.97374	20.79	chr20	N/A	3	30.71
FAM66C	20.79	chr12	12p13.31	13	165.76
CHRNA7	20.79	chr15	15q14	23	67.66
Hs.616548	20.79	chr13	N/A	1	0.00
USP49	20.78	chr6	6p21	31	232.71
CABP5	20.78	chr19	19q13.33	26	96.47
Hs.744661	20.78	chr7	N/A	10	41.90
SNORD48	20.78	chr6	6p21.33	3	23.21
PTF1A	20.78	chr10	10p12.2	26	61.90
KCTD7	20.78	chr7	7q11.21	45	76.84
TMCC3	20.78	chr12	12q22	43	79.55
SMG7-AS1	20.77	chr1	1q25.3	56	148.93
Hs.120742	20.77	chr4	N/A	3	42.17
OR2K2	20.77	chr9	9q31.3	12	120.41
GDF5OS	20.77	chr20	20q11.2	10	35.92
Hs.128605	20.77	chr1	N/A	7	51.53
KLK1	20.77	chr19	19q13.3	23	101.58
FRMD6-AS1	20.77	chr14	14q22.1	7	61.92
PCDHB9	20.77	chr5	5q31	30	121.90
Hs.44609	20.77	chr8	N/A	4	73.61
ZBTB25	20.77	chr14	14q23-q24	35	76.86
TP53TG3B	20.76	chr16	16p11.2	36	75.04
Hs.733447	20.76	chr16	N/A	1	0.00
C20orf85	20.76	chr20	20q13.32	36	99.55
Hs.543560	20.76	chr4	N/A	3	42.92
SNAP91	20.76	chr6	6q14.2	23	118.56
KIF4A	20.76	chrX	Xq13.1	26	103.72
LOC729162	20.76	chrX	Xp22.33	3	70.63
Hs.656729	20.76	chr6	N/A	7	103.97
Hs.128256	20.76	chr19	N/A	2	125.04
Hs.650412	20.75	chr4	N/A	3	97.03
OR2AG2	20.75	chr11	11p15.4	3	110.03
FBXO10	20.75	chr9	9p13.2	43	95.14
Hs.649177	20.75	chr14	N/A	3	48.32
Hs.734555	20.75	chr20	N/A	1	0.00
Hs.370039	20.75	chr2	N/A	3	108.69
KSR1	20.75	chr17	17q11.2	82	104.79
ZCCHC12	20.75	chrX	Xq24	28	158.58
Hs.732930	20.75	chr20	N/A	7	63.55
PLAC1	20.74	chrX	Xq26	28	84.73
Hs.143911	20.74	chr1	N/A	3	125.81
APOL4	20.74	chr22	22q11.2-q13.2	37	84.27
NPHP4	20.74	chr1	1p36	38	51.86
FOXR2	20.73	chrX	Xp11.21	9	123.09
TNFAIP8L3	20.73	chr15	15q21.2	35	199.85
PLK1	20.73	chr16	16p12.2	42	92.86
ARRDC1	20.73	chr9	9q34.3	35	59.12
Hs.454194	20.73	chr9	N/A	3	74.41
Hs.401982	20.72	chr20	N/A	7	43.78
Hs.667493	20.72	chr12	N/A	1	0.00
Hs.545476	20.72	chr8	N/A	3	36.80
LOC728730	20.72	chr2	2p22.1	2	35.72
ZNHIT2	20.72	chr11	11q13	37	67.39
RAB4B	20.72	chr19	19q13.2	74	137.10
SLC38A6	20.72	chr14	14q23.1	30	60.84
Hs.619467	20.71	chr7	N/A	3	114.08

Hs.668119	20.71	chr1	N/A	2	1.92
Hs.540591	20.71	chr16	N/A	3	33.87
Hs.637723	20.71	chr9	N/A	3	38.15
FZD2	20.71	chr17	17q21.1	32	79.97
Hs.565610	20.71	chr2	N/A	3	14.24
Hs.604078	20.71	chr13	N/A	2	4.32
Hs.560749	20.71	chr2	N/A	10	50.88
Hs.655786	20.70	chrX	N/A	11	204.62
APOA5	20.70	chr11	11q23	20	154.17
SPDYE5	20.70	chr7	7q11.23	9	166.13
Hs.479853	20.70	chr4	N/A	24	149.68
RUFY2	20.70	chr10	10q21.3	63	92.79
Hs.732051	20.70	chr19	N/A	5	140.34
TNKS2-AS1	20.69	chr10	N/A	10	110.50
Hs.667333	20.69	chr9	N/A	1	0.00
Hs.351133	20.69	chr11	N/A	7	75.17
Hs.669036	20.69	chr11	N/A	1	0.00
KRT6B	20.69	chr12	12q13.13	46	100.05
PGM5-AS1	20.68	chr9	9q13	18	58.44
Hs.171345	20.68	chr15	N/A	3	54.10
Hs.667620	20.68	chr17	N/A	3	59.01
BSN	20.68	chr3	3p21.31	33	123.23
LOC389641	20.68	chr8	8p21.3	28	107.19
ATP10D	20.68	chr4	4p12	44	117.59
Hs.201186	20.67	chr5	N/A	3	64.96
Hs.575479	20.67	chr7	N/A	3	38.27
ZNF343	20.67	chr20	20p13	44	119.17
SPRR3	20.67	chr1	1q21-q22	28	67.13
ZNF772	20.67	chr19	19q13.43	13	136.82
Hs.662266	20.67	chr3	N/A	1	0.00
TBC1D5	20.66	chr3	3p24.3	77	116.32
ZNF93	20.66	chr19	19p12	110	130.10
STARD3	20.66	chr17	17q11-q12	40	58.81
Hs.545435	20.66	chr8	N/A	3	64.54
C1QTNF2	20.66	chr5	5q33.3	36	44.96
TEKT5	20.66	chr16	16p13.13	20	126.49
MMP21	20.66	chr10	10q26.13	22	155.54
ACCS	20.66	chr11	11p11	26	66.36
LCE3B	20.66	chr1	1q21.3	16	55.80
MSLNL	20.66	chr16	16p13.3	17	57.22
Hs.554362	20.66	chrX	N/A	7	128.57
Hs.734032	20.65	chr16	N/A	3	95.86
TAS2R60	20.65	chr7	7q35	13	51.81
MCCD1	20.65	chr6	6p21.33	23	73.60
Hs.578776	20.65	chr16	N/A	3	15.35
CA8	20.65	chr8	8q12.1	58	85.19
DDX60L	20.65	chr4	4q32.3	29	77.70
SNORD109B	20.65	chr15	15q11.2	3	29.39
LSMEM1	20.65	chr7	7q31.1	25	74.79
Hs.433460	20.64	chr16	N/A	16	131.43
Hs.700975	20.64	chr2	N/A	7	68.15
Hs.250616	20.64	chr15	N/A	8	68.76
Hs.664741	20.64	chr7	N/A	3	39.52
SNORD123	20.64	chr5	5p15.2	4	100.12
SPAG1	20.64	chr8	8q22.2	49	112.69
Hs.654811	20.64	chr10	N/A	4	72.13
EMB	20.64	chr5	5q11.1	31	98.23
Hs.664548	20.63	chr11	N/A	7	36.81
Hs.660980	20.63	chr2	N/A	14	54.67
Hs.614805	20.63	chr19	N/A	3	58.01
Hs.648873	20.63	chr7	N/A	8	77.77
GPR15	20.62	chr3	3q11.2-q13.1	23	62.23
Hs.736706	20.62	chr3	N/A	3	47.61
Hs.150147	20.62	chr15	N/A	4	40.00
OSMR	20.62	chr5	5p13.1	60	108.46
Hs.136788	20.62	chr5	N/A	17	78.14

LYPD2	20.61	chr8	8q24.3	18	157.22
PCDHB15	20.61	chr5	5q31	24	155.46
Hs.545065	20.61	chr7	N/A	3	102.35
CACNA2D3	20.61	chr3	3p21.1	44	138.12
Hs.600923	20.61	chr12	N/A	7	39.03
LHX2	20.61	chr9	9q33.3	35	428.95
Hs.214235	20.61	chr4	N/A	3	59.49
MBLAC2	20.61	chr5	5q14.3	30	112.81
TAS2R31	20.60	chr12	12p13.2	16	59.12
C7orf10	20.60	chr7	7p14.1	35	87.97
Hs.568860	20.60	chr10	N/A	11	28.05
Hs.710020	20.60	chr5	N/A	10	67.42
Hs.545003	20.60	chr7	N/A	10	113.61
Hs.597719	20.60	chr4	N/A	10	15.94
Hs.581967	20.59	chr4	N/A	3	52.10
CCK	20.59	chr3	3p22.1	30	65.75
SPPL2C	20.59	chr17	17q21.31	16	142.46
ZNF354B	20.59	chr5	5q35.3	24	154.96
PDE9A	20.59	chr21	21q22.3	46	106.22
LRRC16B	20.59	chr14	14q11.2	23	59.70
Hs.632216	20.59	chr16	N/A	7	62.17
Hs.734441	20.59	chr19	N/A	7	57.34
ZNF138	20.58	chr7	7q11.21	52	108.27
Hs.333975	20.58	chr1	N/A	3	33.88
WFDC2	20.58	chr20	20q13.12	51	105.23
POU3F3	20.58	chr2	2q12.1	21	133.12
TMEM37	20.58	chr2	2q14.2	33	85.04
FZR1	20.58	chr19	19p13.3	93	101.19
MYO10	20.58	chr5	5p15.1-p14.3	103	125.36
HIST2H2BF	20.57	chr1	1q21.2	13	57.30
Hs.674246	20.57	chr4	N/A	1	0.00
ELAC1	20.57	chr18	18q21	36	67.21
Hs.655809	20.57	chr7	N/A	1	0.00
NXPE1	20.57	chr11	11q23.2	19	262.28
GCSAML-AS1	20.57	chr1	1q44	8	122.36
Hs.538300	20.57	chr10	N/A	3	55.61
LOC100996506	20.57	chr2	N/A	3	84.10
STAG3L4	20.56	chr7	7p11.2-q11.2	33	128.33
LONRF3	20.56	chrX	Xq24	35	77.16
TIGD1	20.56	chr2	2q37.1	29	78.30
ATAD3B	20.56	chr1	1p36.33	56	93.22
Hs.701291	20.56	chr10	N/A	3	14.09
Hs.493096	20.56	chr1	N/A	3	21.52
TDGF1	20.56	chr3	3p21.31	34	212.32
Hs.719519	20.55	chr1	N/A	10	46.16
AMBRA1	20.55	chr11	11p11.2	43	79.57
ATRIP	20.55	chr3	3p21.31	37	137.97
Hs.722547	20.55	chr11	N/A	3	21.31
Hs.652845	20.55	chr18	N/A	3	53.24
Hs.509375	20.55	chr14	N/A	3	56.13
Hs.554595	20.55	chr15	N/A	3	8.27
Hs.171481	20.55	chr2	N/A	3	52.62
Hs.594851	20.55	chr2	N/A	8	100.64
Hs.435020	20.55	chr8	N/A	3	72.32
Hs.687894	20.54	chr11	N/A	7	59.55
OR5K4	20.54	chr3	3q12.1	6	56.16
Hs.673229	20.54	chr16	N/A	1	0.00
Hs.201494	20.54	chr10	N/A	3	63.67
Hs.154600	20.54	chr4	N/A	2	57.30
Hs.672927	20.54	chr3	N/A	1	0.00
Hs.538459	20.54	chr10	N/A	3	60.47
FOXE3	20.53	chr1	1p32	31	93.90
Hs.308802	20.53	chr9	N/A	3	23.92
STAP2	20.53	chr19	19p13.3	40	87.51
UNKL	20.53	chr16	16p13.3	58	96.90
Hs.734365	20.53	chr2	N/A	7	34.90

Hs.195718	20.53	chr7	N/A	3	62.01
HOXD12	20.53	chr2	2q31.1	21	170.80
FOXB2	20.52	chr9	9q21.2	3	108.42
Hs.562598	20.52	chr15	N/A	8	110.24
ATP8B4	20.52	chr15	15q21.2	26	110.74
Hs.536286	20.52	chr12	N/A	3	56.41
STMND1	20.52	chr6	6p22.3	13	61.71
CLDN18	20.52	chr3	3q22.3	64	122.72
OR2T33	20.52	chr1	1q44	3	25.01
Hs.158951	20.51	chr19	N/A	11	122.27
SH2D1B	20.51	chr1	1q23.3	30	240.39
Hs.656426	20.51	chr7	N/A	10	57.18
Hs.413205	20.51	chr7	N/A	14	82.44
Hs.551126	20.51	chr8	N/A	4	54.28
Hs.548676	20.50	chr2	N/A	3	12.25
Hs.211743	20.50	chr11	N/A	3	14.44
C11orf72	20.50	chr11	11q13.2	29	51.70
APAF1	20.50	chr12	12q23	36	91.28
ART4	20.50	chr12	12p13-p12	33	69.55
Hs.538507	20.50	chr10	N/A	3	42.39
Hs.731870	20.50	chr17	N/A	8	80.69
Hs.600653	20.50	chr10	N/A	7	170.97
NHLRC4	20.50	chr16	16p13.3	16	95.27
Hs.536154	20.50	chr10	N/A	8	65.88
BOD1L2	20.50	chr18	18q21.31	21	71.25
Hs.369398	20.49	chr15	N/A	15	72.63
PAQR8	20.49	chr6	6p12.1	45	80.93
LILRA1	20.49	chr19	19q13.4	54	109.46
ARHGFE28	20.49	chr5	5q13.2	70	135.32
Hs.655434	20.49	chr3	N/A	5	36.86
Hs.602889	20.49	chr9	N/A	7	87.31
CLDN7	20.49	chr17	N/A	30	53.92
Hs.509146	20.48	chr1	N/A	3	39.40
Hs.732186	20.48	chr1	N/A	8	57.55
CYP7B1	20.48	chr8	8q21.3	32	121.97
HOXD13	20.48	chr2	2q31.1	28	98.70
PCK1	20.48	chr20	20q13.31	53	86.97
Hs.156566	20.48	chr10	N/A	3	54.62
Hs.636147	20.47	chrX	N/A	10	35.42
ADRA2B	20.47	chr2	2q11.1	35	97.25
C2orf72	20.47	chr2	2q37.1	39	77.98
KRTAP3-2	20.47	chr17	17q12-q21	25	78.38
Hs.554431	20.46	chr17	N/A	10	84.97
C8B	20.46	chr1	1p32	37	109.83
Hs.460777	20.46	chr16	N/A	8	152.57
TMEM238	20.46	chr19	19q13.42	9	26.80
Hs.580515	20.46	chr2	N/A	3	45.79
FRMPD1	20.46	chr9	9p13.2	23	94.08
Hs.581746	20.46	chr4	N/A	3	56.52
Hs.358845	20.46	chrX	N/A	3	77.24
ANKRD13B	20.46	chr17	17q11.2	17	152.37
Hs.348809	20.45	chrX	N/A	8	88.37
MESP2	20.45	chr15	15q26.1	7	166.99
Hs.397593	20.45	chr2	N/A	3	40.71
Hs.442793	20.45	chr10	N/A	3	48.73
Hs.732077	20.45	chr15	N/A	7	88.22
Hs.594417	20.45	chr6	N/A	11	246.39
ASTN1	20.44	chr1	1q25.2	53	191.17
POU2F2	20.44	chr19	19q13.2	65	103.99
GSTA3	20.44	chr6	6p12.1	33	126.65
LOC100506544	20.44	chr22	N/A	20	48.29
TMEM35	20.44	chrX	Xq22.1	30	38.37
SHROOM2	20.44	chrX	Xp22.3	37	104.87
LIPC	20.44	chr15	15q21-q23	48	241.52
Hs.707079	20.43	chr1	N/A	8	12.80
PDE10A	20.43	chr6	6q26	50	165.24

Hs.655487	20.43	chr6	N/A	1	0.00
LGALS2	20.43	chr22	22q13.1	28	112.66
Hs.564875	20.43	chr16	N/A	3	59.50
Hs.661798	20.43	chr3	N/A	2	87.70
ZNF555	20.43	chr19	19p13.3	38	78.20
Hs.532593	20.43	chr17	N/A	5	87.11
KCNQ4	20.43	chr1	1p34	31	132.16
Hs.713972	20.43	chr6	N/A	1	0.00
RND1	20.43	chr12	12q12	30	63.46
MYF6	20.43	chr12	12q21	33	60.31
CLC	20.43	chr19	19q13.1	33	95.28
Hs.658225	20.42	chr12	N/A	8	49.29
Hs.562646	20.42	chr16	N/A	3	30.58
Hs.570648	20.42	chr3	N/A	3	34.72
Hs.143307	20.42	chr20	N/A	2	1.82
NETO2	20.42	chr16	16q11	41	86.81
PARK2	20.42	chr6	6q25.2-q27	54	85.52
AHSP	20.42	chr16	16p11.2	28	102.64
MST4	20.42	chrX	Xq26.2	43	79.75
Hs.112596	20.42	chr9	N/A	3	97.22
Hs.202197	20.42	chr14	N/A	3	19.59
C4orf19	20.41	chr4	4p14	29	75.06
COL9A1	20.40	chr6	6q13	45	152.13
Hs.657406	20.40	chr13	N/A	1	0.00
Hs.495112	20.40	chr14	N/A	3	13.61
CLN6	20.40	chr15	15q23	27	65.54
ANKRD24	20.40	chr19	19p13.3	24	207.83
GCOM1	20.40	chr15	15q21.3	14	93.48
P2RX7	20.39	chr12	12q24	33	136.86
ACADL	20.39	chr2	2q34	42	102.03
Hs.623844	20.39	chr10	N/A	3	13.11
TFAP2B	20.39	chr6	6p12	46	167.88
METTL16	20.38	chr17	17p13.3	46	152.28
Hs.569533	20.38	chr16	N/A	3	25.56
TSPAN2	20.38	chr1	1p13.2	45	153.54
SH2D6	20.37	chr2	2p11.2	17	89.88
ZNF222	20.37	chr19	19q13.2	43	51.58
DPP6	20.37	chr7	7q36.2	65	176.36
WDFY3-AS2	20.37	chr4	4q21.3	27	93.66
LOC100506869	20.37	chr12	N/A	3	51.85
Hs.560297	20.37	chr14	N/A	7	107.13
PPAT	20.37	chr4	4q12	43	80.83
CSPG5	20.36	chr3	3p21.3	42	173.29
TRAM1L1	20.36	chr4	4q26	36	70.35
Hs.659491	20.36	chr15	N/A	1	0.00
Hs.540280	20.36	chr15	N/A	7	68.85
SLITRK4	20.36	chrX	Xq27.3	39	100.94
Hs.565922	20.36	chr3	N/A	3	43.16
Hs.655762	20.35	chr17	N/A	17	50.87
Hs.541868	20.35	chr2	N/A	3	30.56
Hs.667294	20.35	chr6	N/A	2	94.15
Hs.565767	20.35	chr21	N/A	7	65.29
TRIP13	20.35	chr5	5p15.33	30	99.12
BACH2	20.35	chr6	6q15	57	107.30
Hs.703727	20.35	chr11	N/A	1	0.00
FAM65C	20.35	chr20	20q13.13	41	136.34
Hs.655116	20.34	chr5	N/A	15	132.61
Hs.200095	20.34	chr18	N/A	3	35.70
SEMA6D	20.34	chr15	15q21.1	75	148.48
Hs.642221	20.34	chr14	N/A	10	14.10
Hs.732580	20.34	chr10	N/A	8	104.39
UHRF1	20.34	chr19	19p13.3	48	117.03
Hs.680219	20.34	chr1	N/A	1	0.00
Hs.549740	20.34	chr1	N/A	3	14.96
Hs.666842	20.34	chr11	N/A	2	87.64
Hs.597474	20.34	chr4	N/A	8	100.30

AMOT	20.34	chrX	Xq23	40	102.74
LOC100507108	20.34	chr14	N/A	6	61.38
Hs.605124	20.33	chr9	N/A	7	58.29
ZCCHC16	20.33	chrX	Xq23	6	95.44
Hs.330602	20.33	chr5	N/A	7	101.46
OSBP2	20.33	chr22	22q12.2	54	107.87
Hs.586960	20.33	chr17	N/A	26	237.61
Hs.552661	20.32	chr1	N/A	3	21.75
Hs.556673	20.32	chr5	N/A	15	91.57
C17orf103	20.32	chr17	17p11.2	24	105.11
USH1C	20.32	chr11	11p14.3	51	98.17
Hs.303934	20.32	chr17	N/A	3	42.44
Hs.570757	20.32	chr4	N/A	1	0.00
IL1RAPL2	20.31	chrX	Xq22	24	87.51
ADM2	20.31	chr22	22q13.33	21	92.40
Hs.434316	20.31	chr5	N/A	4	37.16
HOMEZ	20.31	chr14	14q11.2	43	84.36
Hs.710512	20.31	chr3	N/A	8	43.95
ZNF136	20.31	chr19	19p13.2	42	81.41
Hs.565563	20.31	chr2	N/A	3	17.40
Hs.160599	20.30	chr12	N/A	3	44.74
Hs.668532	20.30	chr4	N/A	1	0.00
C1orf95	20.30	chr1	1q42.12	41	121.42
ABCC2	20.30	chr10	10q24	48	136.32
Hs.570336	20.30	chr20	N/A	3	36.49
OR2Z1	20.30	chr19	19p13.2	8	140.91
Hs.568949	20.30	chr11	N/A	3	31.48
Hs.284137	20.30	chr9	N/A	7	47.44
Hs.667942	20.29	chr16	N/A	3	76.43
Hs.602368	20.29	chr12	N/A	7	65.90
TPCN2	20.29	chr11	11q13.3	45	117.68
Hs.598556	20.29	chr20	N/A	3	62.77
Hs.159079	20.29	chr10	N/A	3	57.76
Hs.601586	20.28	chr14	N/A	3	59.09
TMEM110	20.28	chr3	3p21.1	36	122.62
Hs.542623	20.28	chr21	N/A	3	63.04
SBK1	20.28	chr16	16p11.2	38	103.26
Hs.657012	20.28	chr10	N/A	18	71.87
CXorf38	20.28	chrX	Xp11.4	40	84.33
IL1RAPL1	20.28	chrX	Xp22.1-p21.3	29	90.20
PRRT3	20.28	chr3	3p25.3	26	101.43
Hs.599720	20.28	chr21	N/A	8	153.89
MAB21L1	20.27	chr13	13q13	34	121.87
TMCO4	20.27	chr1	1p36.13	26	63.23
LOC100128374	20.27	chr7	7p22.3	14	43.07
Hs.651497	20.27	chr11	N/A	2	86.63
Hs.153652	20.27	chrX	N/A	15	64.08
TMEM44	20.27	chr3	3q29	44	92.95
DHFRL1	20.27	chr3	3q11.1	48	78.40
CRYBA4	20.26	chr22	22q12.1	30	182.89
Hs.292063	20.26	chr12	N/A	3	44.62
ENPP5	20.25	chr6	6p21.1-p11.2	27	71.59
Hs.732997	20.25	chr19	N/A	7	148.81
FOXP2	20.25	chr7	7q31	79	228.27
Hs.580082	20.25	chr2	N/A	3	60.23
PLCB2	20.25	chr15	15q15	48	92.11
Hs.131595	20.25	chr9	N/A	3	21.42
Hs.580109	20.25	chr2	N/A	2	98.79
ZNF44	20.25	chr19	19p13.2	65	150.70
PTPRJ	20.24	chr11	11p11.2	74	86.88
Hs.568554	20.24	chr1	N/A	3	61.93
OTOGL	20.24	chr12	12q21.31	31	213.02
Hs.545838	20.24	chr9	N/A	3	102.06
LRMP	20.23	chr12	12p12.1	36	71.95
Hs.559766	20.23	chr1	N/A	3	55.72
CRISPLD1	20.23	chr8	8q21.11	36	117.93

ENDOV	20.23	chr17	17q25.3	19	54.22
Hs.654953	20.23	chr12	N/A	23	71.63
Hs.639142	20.23	chr17	N/A	1	0.00
ZNF585A	20.22	chr19	19q13.12	56	89.86
OR51G2	20.22	chr11	11p15.4	8	68.06
IVL	20.22	chr1	1q21	30	102.25
WDR5B	20.22	chr3	3q21.1	28	102.83
Hs.541685	20.22	chr2	N/A	3	48.28
Hs.566956	20.22	chr9	N/A	3	5.54
ACAP1	20.22	chr17	17p13.1	45	101.42
FLJ42627	20.22	chr16	16p13.3	29	105.54
B3GNT6	20.21	chr11	11q13.4	30	106.95
Hs.550924	20.21	chr17	N/A	4	58.70
Hs.566900	20.21	chr8	N/A	3	68.96
ZXDA	20.21	chrX	Xp11.1	43	109.82
ZNF316	20.21	chr7	7p22.1	9	66.54
HNF1A-AS1	20.21	chr12	12q24.31	17	46.40
LINC00523	20.21	chr14	14q32.2	7	82.81
Hs.580934	20.21	chr21	N/A	3	25.50
EGFL6	20.21	chrX	Xp22	31	128.97
Hs.582441	20.21	chr5	N/A	3	66.45
Hs.601509	20.20	chr7	N/A	7	82.27
DEPDC5	20.20	chr22	22q12.3	40	108.30
Hs.658076	20.20	chr15	N/A	1	0.00
CNTD2	20.20	chr19	19q13.2	21	108.16
NXF5	20.20	chrX	Xq22	17	69.95
Hs.565226	20.20	chr19	N/A	3	36.98
TMEM132E	20.20	chr17	17q12	17	113.79
Hs.729700	20.19	chr9	N/A	10	104.22
Hs.660165	20.19	chr4	N/A	19	66.21
LOC340074	20.19	chr5	5q31.1	1	0.00
BDKRB2	20.19	chr14	14q32.1-q32.2	32	62.81
Hs.665862	20.19	chr4	N/A	8	55.55
Hs.660646	20.19	chr6	N/A	1	0.00
Hs.590848	20.18	chrX	N/A	1	0.00
DAGLA	20.18	chr11	11q12.2	30	104.23
Hs.744442	20.18	chr12	N/A	1	0.00
Hs.602360	20.18	chr2	N/A	1	0.00
APBA2	20.18	chr15	15q11-q12	52	92.20
C7orf63	20.17	chr7	7q21.13	32	137.96
Hs.600713	20.17	chr6	N/A	7	63.27
SLC9A5	20.17	chr16	16q22.1	41	77.98
LNP1	20.17	chr3	3q12.2	16	135.21
LOC400043	20.17	chr12	12q13.13	8	71.36
Hs.553310	20.17	chr1	N/A	3	27.99
Hs.633256	20.17	chr2	N/A	7	87.26
Hs.675217	20.17	chr5	N/A	2	124.07
Hs.130085	20.17	chr7	N/A	6	65.70
Hs.734638	20.17	chr13	N/A	5	57.30
Hs.124547	20.17	chr8	N/A	10	100.10
SIRPG	20.17	chr20	20p13	38	156.97
LAG3	20.17	chr12	12p13.32	23	90.56
LOC100505902	20.17	chr3	N/A	1	0.00
EVA1A	20.16	chr2	2p12	26	79.62
Hs.640238	20.16	chr2	N/A	3	7.21
Hs.406106	20.16	chr5	N/A	4	53.56
Hs.541141	20.16	chr18	N/A	3	103.13
Hs.544379	20.16	chr6	N/A	3	47.59
MUC5B	20.15	chr11	11p15.5	69	123.22
GPR97	20.15	chr16	16q21	33	73.73
RNF2	20.15	chr1	1q25.3	50	95.92
AQP9	20.15	chr15	15q	30	98.67
STK32A	20.15	chr5	5q32	27	228.75
Hs.566428	20.15	chr6	N/A	3	11.42
Hs.539086	20.14	chr11	N/A	3	56.71
Hs.672216	20.14	chr8	N/A	1	0.00

Hs.613656	20.14	chr1	N/A	1	0.00
TBC1D3C	20.14	chr17	17q12	32	63.43
Hs.662118	20.14	chr3	N/A	1	0.00
C19orf38	20.14	chr19	19p13.2	2	36.99
Hs.576269	20.14	chr1	N/A	3	12.52
Hs.584981	20.14	chr10	N/A	8	116.45
Hs.677438	20.14	chr2	N/A	1	0.00
Hs.596801	20.14	chr3	N/A	7	95.08
Hs.741656	20.13	chr1	N/A	7	82.24
Hs.129430	20.13	chr15	N/A	7	63.82
Hs.561095	20.13	chr3	N/A	4	48.86
SMG9	20.13	chr19	19q13.31	30	85.07
Hs.523325	20.13	chr10	N/A	3	10.00
Hs.311444	20.12	chr3	N/A	1	0.00
Hs.657897	20.12	chr11	N/A	14	122.51
Hs.598636	20.12	chr3	N/A	7	49.22
Hs.587171	20.12	chr3	N/A	3	58.76
ERCC8	20.12	chr5	5q12.1	63	108.52
LOC100506388	20.12	chr17	N/A	18	51.17
LINC00340	20.11	chr6	6p22.3	42	178.16
Hs.648503	20.11	chr9	N/A	3	71.95
CLEC2L	20.11	chr7	7q34	20	189.13
Hs.650417	20.11	chr2	N/A	3	39.38
LOC100506057	20.11	chr10	N/A	11	78.04
LOC339803	20.11	chr2	2p15	38	80.12
Hs.562647	20.11	chr16	N/A	3	89.49
Hs.576513	20.10	chr1	N/A	3	12.76
COL28A1	20.10	chr7	7p21.3	23	81.09
Hs.533337	20.10	chr6	N/A	3	118.46
Hs.621816	20.10	chr14	N/A	3	92.15
TAF5	20.10	chr10	10q24-q25.2	33	73.05
Hs.662836	20.10	chr15	N/A	7	89.19
Hs.543534	20.10	chr4	N/A	3	62.36
Hs.575895	20.10	chr1	N/A	3	38.53
GABBR2	20.10	chr9	9q22.1-q22.3	50	181.57
Hs.658674	20.10	chr13	N/A	7	105.97
GRM2	20.09	chr3	3p21.2	31	91.01
BMP15	20.09	chrX	Xp11.2	21	115.94
LOC389247	20.09	chr4	4q35.1	1	0.00
DNMBP	20.09	chr10	10q24.2	32	78.50
GRM1	20.09	chr6	6q24	37	96.04
CDH23	20.09	chr10	10q22.1	77	198.65
PKP3	20.09	chr11	11p15	41	97.79
CELF6	20.09	chr15	15q24	24	88.93
Hs.333857	20.09	chr1	N/A	3	22.21
Hs.732311	20.09	chr5	N/A	4	60.80
SNORD31	20.09	chr11	11q13	3	23.44
Hs.578356	20.09	chr14	N/A	3	60.86
Hs.539736	20.09	chr13	N/A	3	57.38
MIA2	20.08	chr14	14q13.2	38	288.63
Hs.633489	20.08	chr5	N/A	9	70.81
ADAT1	20.08	chr16	16q23.1	31	130.97
Hs.743747	20.08	chr4	N/A	2	67.21
Hs.135587	20.08	chr4	N/A	10	40.41
Hs.123352	20.08	chr18	N/A	1	0.00
Hs.553156	20.08	chr6	N/A	10	50.59
Hs.176837	20.08	chr5	N/A	5	35.25
Hs.678249	20.08	chr11	N/A	1	0.00
Hs.539387	20.07	chr12	N/A	3	22.32
Hs.584167	20.07	chr9	N/A	3	42.97
Hs.659916	20.07	chr15	N/A	7	41.94
BRI3BP	20.07	chr12	12q24.31	60	100.20
Hs.583965	20.06	chr8	N/A	3	61.71
Hs.177654	20.06	chr2	N/A	3	30.00
LILRA2	20.06	chr19	19q13.4	47	94.26
XRRA1	20.05	chr11	11q13.4	36	140.16

HS3ST3B1	20.05	chr17	17p12	55	139.07
LINC00669	20.05	chr18	18q12.2-q12.3	16	68.71
OPRK1	20.05	chr8	8q11.2	49	83.72
Hs.695212	20.05	chr2	N/A	3	49.73
SPATS2	20.05	chr12	12q13.12	48	75.32
SCFD2	20.05	chr4	4q12	37	102.57
LRR1	20.05	chr14	14q21.3	46	121.98
Hs.553147	20.05	chr8	N/A	4	53.77
Hs.578445	20.05	chr15	N/A	3	20.99
Hs.24286	20.04	chr3	N/A	8	135.70
Hs.741920	20.04	chr16	N/A	3	54.11
ST6GALNAC1	20.04	chr17	17q25.1	26	71.03
AZU1	20.04	chr19	19p13.3	30	126.56
Hs.573214	20.04	chr5	N/A	10	108.80
Hs.643653	20.04	chr12	N/A	12	82.66
Hs.613574	20.03	chr6	N/A	3	58.21
MSC	20.03	chr8	8q21	30	80.63
TFAP4	20.03	chr16	16p13	38	84.65
SHH	20.03	chr7	7q36	24	109.83
Hs.709640	20.03	chr1	N/A	1	0.00
Hs.664744	20.03	chr2	N/A	4	25.71
CACNA1D	20.03	chr3	3p14.3	45	111.53
Hs.596444	20.03	chr2	N/A	17	99.05
AGO4	20.03	chr1	1p34	55	92.75
C7orf13	20.02	chr7	7q36.3	35	95.24
Hs.600512	20.02	chr16	N/A	3	59.28
LOC400499	20.02	chr16	16p13.13	6	69.26
DNMT3B	20.02	chr20	20q11.2	40	87.20
Hs.605799	20.02	chr7	N/A	1	0.00
Hs.644853	20.02	chr2	N/A	10	23.84
PWWP2A	20.02	chr5	5q33.3	40	115.69
Hs.713165	20.02	chr3	N/A	2	92.08
Hs.565868	20.01	chr3	N/A	3	43.83
TACR2	20.01	chr10	10q22.1	30	82.12
Hs.733667	20.01	chr4	N/A	1	0.00
Hs.660004	20.01	chr8	N/A	8	107.39
SLIT1	20.01	chr10	10q23.3-q24	52	103.13
Hs.187621	20.01	chr9	N/A	8	165.07
KIF25	20.01	chr6	6q27	31	75.78
Hs.604501	20.01	chr3	N/A	1	0.00
FAM57B	20.01	chr16	16p11.2	16	30.01
Hs.622827	20.00	chr2	N/A	1	0.00
Hs.543127	20.00	chr3	N/A	3	26.51
Hs.656285	20.00	chr4	N/A	8	72.50
PRTN3	20.00	chr19	19p13.3	30	95.14
Hs.658240	20.00	chr20	N/A	7	52.20
Hs.543603	20.00	chr4	N/A	3	68.58
DNAJC18	20.00	chr5	5q31.2	47	75.44
Hs.569826	19.99	chr17	N/A	20	104.42
Hs.632975	19.99	chr8	N/A	7	44.61
LEPR	19.99	chr1	1p31	75	104.15
Hs.538746	19.99	chr11	N/A	3	72.62
SLC9A9	19.98	chr3	3q24	46	109.81
IL1R2	19.98	chr2	2q12	59	106.00
TPBGL	19.98	chr11	11q13.4	1	0.00
Hs.732398	19.98	chr11	N/A	1	0.00
LOC100134229	19.98	chr7	7q34	11	84.22
Hs.545104	19.98	chr7	N/A	3	50.63
ZMYM5	19.98	chr13	13q12	73	109.00
LINC00483	19.98	chr17	17q21.33	30	101.47
OR10G2	19.98	chr14	14q11.2	10	78.11
Hs.196469	19.97	chr6	N/A	3	75.60
ZNF789	19.97	chr7	7q22.1	31	77.55
Hs.597313	19.97	chr11	N/A	7	45.64
LINC00675	19.97	chr17	17p13.1-p12	10	85.74
Hs.396796	19.97	chr1	N/A	8	78.33

Hs.565882	19.97	chr3	N/A	3	36.55
Hs.543054	19.97	chr3	N/A	3	31.94
SNORD36A	19.97	chr9	9q34	3	32.05
Hs.632926	19.97	chr1	N/A	14	131.32
BRICD5	19.97	chr16	16p13.3	17	68.57
RRM2	19.96	chr2	2p25-p24	52	95.42
Hs.633789	19.96	chr1	N/A	4	98.10
Hs.565104	19.96	chr17	N/A	3	88.40
ICAM4	19.96	chr19	19p13.2-cen	29	64.52
CENPE	19.96	chr4	4q24-q25	130	167.00
ELFN1	19.96	chr7	7p22.3	17	92.18
MBLAC1	19.96	chr7	7q22.1	16	77.55
Hs.662852	19.96	chr2	N/A	15	47.26
MOCOS	19.96	chr18	18q12	111	42.58
Hs.144830	19.95	chr6	N/A	1	0.00
Hs.732080	19.95	chr8	N/A	18	132.82
ZNF383	19.95	chr19	19q13.12	19	64.57
CD1B	19.95	chr1	1q22-q23	30	107.72
Hs.667795	19.95	chr7	N/A	16	132.71
Hs.564082	19.95	chr10	N/A	3	59.64
GPR3	19.95	chr1	1p36.1-p35	42	63.27
PRR5L	19.94	chr11	11p13-p12	58	150.14
SND1-IT1	19.94	chr7	7q31	47	112.64
Hs.500448	19.93	chr10	N/A	3	62.57
Hs.145188	19.93	chr2	N/A	5	95.80
Hs.743578	19.93	chr19	N/A	7	44.30
Hs.324103	19.93	chr19	N/A	3	28.98
ESRRB	19.93	chr14	14q24.3	59	118.66
Hs.612327	19.92	chr6	N/A	1	0.00
Hs.744416	19.92	chr9	N/A	1	0.00
FOXL2	19.92	chr3	3q23	30	162.28
Hs.298069	19.91	chr7	N/A	7	93.36
FAM71B	19.91	chr5	5q33.3	35	260.54
EIF5A2	19.91	chr3	3q26.2	55	66.23
Hs.547465	19.91	chr16	N/A	8	98.38
TBX6	19.91	chr16	16p11.2	37	105.89
Hs.536143	19.91	chr10	N/A	3	69.00
Hs.539742	19.91	chr13	N/A	3	19.92
TXNRD3	19.90	chr3	3q21.3	32	103.61
Hs.171267	19.90	chr17	N/A	3	62.73
PRSS1	19.90	chr7	7q34	43	145.03
Hs.667613	19.90	chr4	N/A	2	26.20
Hs.615519	19.90	chr4	N/A	3	44.53
POM121L2	19.90	chr6	6p22.1	7	75.56
Hs.657173	19.90	chr9	N/A	1	0.00
SP6	19.90	chr17	17q21.32	16	54.77
Hs.328129	19.90	chr14	N/A	3	74.19
MBD5	19.90	chr2	2q23.1	33	75.78
TAPT1-AS1	19.90	chr4	4p15.32	27	87.91
TMEM119	19.89	chr12	12q23.3	33	127.37
SNORA65	19.89	chr9	9q34	3	16.54
Hs.543310	19.89	chr4	N/A	7	95.62
Hs.6656	19.89	chr3	N/A	1	0.00
Hs.580139	19.89	chr2	N/A	3	30.57
OR7D2	19.89	chr19	19p13.2	19	171.64
LOC340113	19.88	chr5	5p13.3	3	79.93
Hs.254117	19.88	chr4	N/A	50	228.91
ZNF862	19.88	chr7	7q36.1	27	95.98
Hs.666183	19.88	chr3	N/A	14	75.36
PLAC8	19.88	chr4	4q21.22	44	133.80
FAM78B	19.88	chr1	1q24.1	17	86.92
Hs.732053	19.88	chr1	N/A	7	55.52
OR7G1	19.88	chr19	19p13.2	3	69.57
Hs.666083	19.88	chr9	N/A	7	77.05
Hs.513833	19.88	chr16	N/A	8	21.72
Hs.602420	19.88	chr19	N/A	7	39.64

Hs.584867	19.88	chr6	N/A	5	75.29
Hs.559444	19.87	chr6	N/A	1	0.00
Hs.540340	19.87	chr15	N/A	3	66.24
PTGER2	19.87	chr14	14q22	30	90.42
Hs.540179	19.87	chr15	N/A	5	68.64
LOC728093	19.87	chr5	5q21.1	7	181.84
Hs.550328	19.87	chr16	N/A	3	26.32
LRFN1	19.87	chr19	19q13.2	30	65.76
Hs.657797	19.86	chr14	N/A	5	119.75
Hs.134004	19.86	chr7	N/A	16	61.38
Hs.351888	19.86	chr10	N/A	3	43.07
SVOP	19.86	chr12	12q24.11	21	58.48
Hs.723269	19.86	chr4	N/A	11	32.61
Hs.484844	19.86	chr6	N/A	7	72.53
NCS1	19.86	chr9	9q34	55	95.90
Hs.666294	19.85	chr13	N/A	11	45.58
SLC26A6	19.85	chr3	3p21.3	55	90.09
Hs.579897	19.85	chr19	N/A	3	50.29
Hs.545655	19.85	chr9	N/A	3	36.77
ARL10	19.85	chr5	5q35.2	26	104.05
Hs.603523	19.84	chr16	N/A	7	87.54
Hs.654943	19.84	chr15	N/A	7	132.39
C5orf63	19.84	chr5	5q23.2	27	69.91
Hs.600254	19.84	chrX	N/A	10	36.07
UBXN11	19.83	chr1	1p36.11	51	126.20
TH	19.83	chr11	11p15.5	43	78.32
A1BG	19.83	chr19	19q13.4	32	72.15
Hs.381002	19.83	chr10	N/A	3	73.69
LAMA1	19.83	chr18	18p11.3	98	205.62
Hs.666996	19.83	chr14	N/A	2	135.85
FTCD	19.83	chr21	21q22.3	36	150.45
Hs.733290	19.83	chr4	N/A	4	67.61
POLR1A	19.83	chr2	2p11.2	26	144.16
GNAL	19.83	chr18	18p11.22-p11.21	78	105.66
Hs.657917	19.83	chr3	N/A	7	78.46
Hs.541639	19.83	chr2	N/A	3	54.96
Hs.539738	19.83	chr13	N/A	3	59.80
PM20D1	19.83	chr1	1q32.1	30	125.24
LLGL2	19.82	chr17	17q25.1	49	113.57
Hs.538780	19.82	chr11	N/A	3	43.50
EPN2-AS1	19.82	chr17	N/A	1	0.00
SNX16	19.82	chr8	8q21.13	40	100.42
Hs.499453	19.82	chr10	N/A	8	96.40
HIST1H2AL	19.82	chr6	6p22.1	27	118.84
Hs.660204	19.82	chr2	N/A	1	0.00
Hs.566968	19.82	chr9	N/A	3	33.34
Hs.658844	19.81	chr3	N/A	3	32.33
EXPH5	19.81	chr11	11q22.3	61	103.60
Hs.581151	19.81	chr3	N/A	3	50.53
MAGEA8	19.81	chrX	Xq28	33	72.84
VWA5A	19.81	chr11	11q24.1	47	98.98
Hs.459704	19.81	chr9	N/A	7	81.70
NCR3	19.81	chr6	6p21.3	50	75.98
ZNF514	19.80	chr2	2q11.1	32	92.87
ETV7	19.80	chr6	6p21	22	115.45
DNAH7	19.80	chr2	2q32.3	62	85.35
Hs.670039	19.79	chr3	N/A	8	32.24
SNORD4A	19.79	chr17	17q11	3	17.37
GLYATL1	19.79	chr11	11q12.1	28	206.14
FBXL19-AS1	19.79	chr16	16p11.2	14	85.80
SLC25A21	19.79	chr14	14q11.2	44	196.48
Hs.662539	19.79	chr1	N/A	8	13.25
Hs.549841	19.79	chr11	N/A	1	0.00
PDIA2	19.79	chr16	16p13.3	47	96.51
Hs.562283	19.79	chr10	N/A	3	71.59
CYP2C8	19.79	chr10	10q23.33	44	144.45

FPR3	19.79	chr19	19q13.3-q13.4	38	113.17
Hs.720716	19.79	chr2	N/A	8	100.41
Hs.164469	19.78	chr19	N/A	3	63.14
ODF1	19.78	chr8	8q22.3	30	115.72
Hs.545251	19.78	chr8	N/A	3	83.84
RTN4RL1	19.78	chr17	17p13.3	39	61.84
C6orf164	19.78	chr6	6q15-q16.1	12	75.32
IGLV6-57	19.78	chr22	22q11.2	39	105.88
HTR3B	19.78	chr11	11q23.1	21	89.08
Hs.156420	19.78	chr5	N/A	7	50.26
Hs.243423	19.77	chrX	N/A	3	28.70
LOC644841	19.77	chr7	7q36.3	3	14.14
ZNF431	19.77	chr19	19p12	26	92.12
Hs.634562	19.77	chr6	N/A	3	66.76
APOBEC3F	19.77	chr22	22q13.1	47	93.65
Hs.538606	19.76	chr10	N/A	3	46.40
Hs.600636	19.76	chr3	N/A	7	65.44
Hs.733964	19.76	chr1	N/A	2	100.89
Hs.667089	19.76	chr10	N/A	7	67.65
PTPN7	19.76	chr1	1q32.1	46	102.39
POU5F1	19.76	chr6	6p21.31	68	168.15
SLITRK6	19.76	chr13	13q31.1	35	82.44
ASGR1	19.76	chr17	17p13.2	30	77.45
ZFHX4	19.75	chr8	8q21.11	51	137.76
HR	19.75	chr8	8p21.2	46	89.28
LOC100505806	19.75	chr5	N/A	8	77.89
LPPR4	19.75	chr1	1p21.2	38	198.13
Hs.565801	19.75	chr22	N/A	3	43.03
TJP3	19.75	chr19	19p13.3	35	115.20
FFAR3	19.75	chr19	19q13.1	10	94.33
CHRM1	19.75	chr11	11q13	26	70.26
RPRML	19.74	chr17	17q21.32	17	80.08
LOC100289187	19.74	chr7	7q22.1	8	46.22
IQCF3	19.74	chr3	3p21.2	8	64.26
Hs.119164	19.74	chr10	N/A	11	74.31
ZNF618	19.74	chr9	9q32	65	76.99
Hs.656420	19.74	chr1	N/A	1	0.00
Hs.471428	19.73	chr2	N/A	10	68.02
BDP1	19.73	chr5	5q13	67	117.44
Hs.459438	19.73	chr15	N/A	3	33.46
Hs.634982	19.73	chr12	N/A	7	48.83
IRAK2	19.73	chr3	3p25.3	28	122.52
GDF2	19.73	chr10	10q11.22	21	102.26
RECQL5	19.73	chr17	17q25	69	93.75
Hs.738369	19.73	chr17	N/A	3	67.47
Hs.403844	19.73	chr15	N/A	3	27.93
ADCK1	19.72	chr14	14q24.3	40	112.29
LOC100506651	19.72	chr3	N/A	12	37.93
SPICE1	19.72	chr3	3q13.2	50	61.35
OR5J2	19.72	chr11	11q11	10	158.71
Hs.242804	19.72	chr15	N/A	3	17.87
Hs.604715	19.72	chr20	N/A	10	47.47
HSBP1L1	19.72	chr18	18q23	21	62.71
Hs.582112	19.72	chr5	N/A	3	31.17
PRAMEF11	19.71	chr1	1p36.21	11	66.87
Hs.738273	19.71	chr14	N/A	3	62.53
TMEM106A	19.71	chr17	17q21.31	38	84.90
Hs.542820	19.71	chr3	N/A	3	63.95
CRHR1-IT1	19.70	chr17	17q21.31	35	101.48
ZNF473	19.70	chr19	19q13.33	58	101.61
FLJ45079	19.70	chr17	17q25.3	3	30.17
Hs.157002	19.70	chr13	N/A	2	111.63
Hs.435355	19.70	chr14	N/A	3	15.25
KU-MEL-3	19.70	chr6	6p25.3-p24.1	9	99.17
Hs.661277	19.70	chr9	N/A	8	175.79
Hs.576274	19.69	chr1	N/A	3	75.29

Hs.659214	19.69	chr8	N/A	3	65.75
Hs.660589	19.69	chr16	N/A	8	83.69
Hs.709600	19.68	chr2	N/A	8	89.08
Hs.200774	19.68	chr7	N/A	3	50.93
Hs.568117	19.68	chr9	N/A	3	53.70
Hs.566305	19.68	chr5	N/A	7	71.32
TLR6	19.68	chr4	4p14	44	140.02
SMIM1	19.68	chr1	1p36.32	25	54.42
HPYR1	19.68	chr8	8q24.22	2	110.29
Hs.738414	19.68	chr7	N/A	7	80.95
Hs.636590	19.67	chr7	N/A	3	76.05
TRHDE-AS1	19.67	chr12	12q21.1	9	106.62
Hs.547647	19.67	chr3	N/A	3	66.21
LOC100505923	19.67	chr12	N/A	3	10.02
TTC21A	19.67	chr3	3p22.2	25	117.72
ZNF696	19.67	chr8	8q24.3	29	94.35
LOC100506063	19.67	chr13	N/A	1	0.00
LRRC43	19.67	chr12	12q24.31	21	158.63
Hs.513102	19.67	chr15	N/A	7	64.83
Hs.659955	19.67	chr4	N/A	14	83.91
Hs.660409	19.66	chr13	N/A	6	102.29
NTNG1	19.66	chr1	1p13.3	64	146.78
ILDR2	19.66	chr1	1q24.1	25	72.25
Hs.603061	19.66	chr1	N/A	2	32.41
FAM71C	19.66	chr12	12q23.1	19	163.21
Hs.594427	19.66	chr5	N/A	17	68.60
Hs.161925	19.66	chr6	N/A	3	4.25
Hs.505398	19.66	chr22	N/A	4	57.62
SNX20	19.65	chr16	16q12.1	56	136.22
Hs.713136	19.65	chr4	N/A	3	20.69
Hs.643943	19.65	chr6	N/A	8	48.28
NIPA1	19.65	chr15	15q11.2	37	107.61
Hs.736658	19.65	chrX	N/A	3	30.84
Hs.658730	19.65	chr8	N/A	8	112.55
Hs.596986	19.65	chr10	N/A	7	76.00
Hs.664079	19.64	chr8	N/A	7	105.85
Hs.653863	19.64	chr11	N/A	3	71.63
Hs.683531	19.64	chr14	N/A	3	52.48
LOC100506713	19.64	chr17	N/A	9	57.69
OR52N4	19.64	chr11	11p15.4	6	61.57
SH3RF3	19.64	chr2	2q13	38	112.63
Hs.128393	19.63	chr14	N/A	3	73.42
C17orf53	19.63	chr17	17q21.31	45	122.79
Hs.123307	19.63	chr2	N/A	11	206.86
Hs.545663	19.63	chr9	N/A	3	16.03
Hs.10739	19.63	chr22	N/A	1	0.00
SMKR1	19.63	chr7	7q32.1	31	90.96
Hs.568326	19.63	chr8	N/A	3	18.59
GPATCH2L	19.63	chr14	14q24.3	53	106.52
Hs.550721	19.63	chr4	N/A	3	42.84
SHANK2-AS1	19.63	chr11	N/A	7	68.39
Hs.543828	19.63	chr5	N/A	3	65.05
Hs.209882	19.63	chr5	N/A	3	35.63
Hs.543391	19.62	chr4	N/A	3	59.36
Hs.581372	19.62	chr3	N/A	3	28.45
SLC30A6	19.62	chr2	2p22.3	60	113.43
Hs.702560	19.62	chrX	N/A	7	30.86
Hs.655069	19.62	chr13	N/A	8	121.74
WSCD1	19.61	chr17	17p13.2	35	94.91
BMF	19.61	chr15	15q14	26	115.35
Hs.733262	19.61	chr7	N/A	4	73.93
Hs.598183	19.61	chr22	N/A	14	90.20
SPATA31E1	19.61	chr9	9q22.1	28	78.47
SH3BP1	19.61	chr22	22q13.1	42	58.14
FEV	19.61	chr2	2q36	23	114.68
Hs.540454	19.61	chr16	N/A	3	26.63

Hs.577789	19.60	chr12	N/A	7	57.85
Hs.537821	19.60	chr1	N/A	3	31.79
ABO	19.60	chr9	9q34.2	33	130.48
COL20A1	19.60	chr20	20q13.33	43	77.63
Hs.562523	19.60	chr14	N/A	3	9.97
NODAL	19.60	chr10	10q22.1	30	115.06
SERPINB3	19.60	chr18	18q21.3	38	107.00
ALK	19.59	chr2	2p23	38	104.60
Hs.545428	19.59	chr8	N/A	3	64.58
Hs.541111	19.59	chr18	N/A	3	60.93
HS6ST3	19.59	chr13	13q32.1	54	152.81
SHBG	19.59	chr17	17p13-p12	38	121.09
FFAR2	19.59	chr19	19q13.1	21	87.95
GPR149	19.59	chr3	3q25.2	18	151.30
Hs.437559	19.58	chr8	N/A	3	65.07
LOC100289058	19.58	chr13	13q14.11	11	38.06
LOC100128361	19.58	chr9	9q22.31	14	178.87
Hs.362343	19.58	chr1	N/A	11	63.92
ADD2	19.57	chr2	2p13.3	101	227.05
FAM81A	19.57	chr15	15q22.2	43	89.90
PCDH19	19.57	chrX	Xq22.1	28	126.36
Hs.704053	19.57	chr17	N/A	8	13.23
Hs.538111	19.57	chr1	N/A	3	74.03
TMEM107	19.57	chr17	17p13.1	45	83.49
PITX3	19.57	chr10	10q24.32	23	56.59
CPEB1	19.57	chr15	15q25.2	28	74.63
Hs.514527	19.57	chr17	N/A	16	68.32
Hs.333785	19.57	chr18	N/A	3	57.03
KISS1	19.57	chr1	1q32	27	67.76
Hs.118947	19.57	chr1	N/A	17	41.76
PIF1	19.57	chr15	15q22.31	50	145.31
OR6B1	19.56	chr7	7q35	4	75.23
Hs.98684	19.56	chr17	N/A	10	60.33
Hs.566049	19.56	chr4	N/A	3	38.71
Hs.732668	19.56	chr9	N/A	1	0.00
TMEM72-AS1	19.55	chr10	10q11.21	4	62.66
PTPRN2	19.55	chr7	7q36	64	130.93
Hs.582045	19.55	chr4	N/A	3	30.14
Hs.582455	19.55	chr5	N/A	3	84.36
Hs.540987	19.55	chr18	N/A	3	65.31
Hs.617655	19.55	chr3	N/A	2	64.27
KIAA1841	19.55	chr2	2q14	40	163.85
Hs.566160	19.55	chr4	N/A	3	63.88
Hs.598881	19.55	chr8	N/A	8	125.07
ARTN	19.55	chr1	1p33-p32	49	165.29
Hs.593577	19.54	chr3	N/A	7	86.38
Hs.525107	19.54	chr13	N/A	3	62.03
Hs.657033	19.54	chr2	N/A	1	0.00
ERCC6	19.54	chr10	10q11.23	75	101.72
Hs.710686	19.54	chr9	N/A	10	59.61
TMEM132C	19.54	chr12	12q24.32	31	158.98
AGR2	19.54	chr7	7p21.3	38	185.48
Hs.581640	19.54	chr3	N/A	3	39.12
Hs.581872	19.54	chr4	N/A	3	68.37
ZSCAN12	19.53	chr6	6p21	43	181.09
DPPA5	19.53	chr6	6q13	16	166.62
PMP2	19.53	chr8	8q21.3-q22.1	50	239.57
Hs.575483	19.53	chr7	N/A	10	67.80
Hs.610979	19.53	chr16	N/A	11	35.29
TLE6	19.53	chr19	19p13.3	45	121.87
Hs.659803	19.53	chr3	N/A	7	108.38
Hs.730307	19.52	chr11	N/A	3	34.54
ADPRH	19.52	chr3	3q13.31-q13.33	30	121.23
Hs.582816	19.52	chr6	N/A	3	45.91
Hs.408455	19.52	chr6	N/A	34	124.45
Hs.664107	19.52	chr2	N/A	7	118.18

Hs.635911	19.52	chr6	N/A	3	51.63
Hs.720094	19.52	chr8	N/A	18	203.88
Hs.565107	19.51	chr18	N/A	3	47.93
MAP2K6	19.51	chr17	17q24.3	60	106.91
TCHP	19.51	chr12	12q24.11	41	92.48
Hs.541735	19.51	chr2	N/A	3	20.35
FAM135A	19.51	chr6	6q13	57	87.78
OPN1MW	19.51	chrX	Xq28	21	76.87
Hs.289059	19.51	chr4	N/A	1	0.00
XPNPEP2	19.51	chrX	Xq25	45	73.40
LOC100128922	19.51	chr1	1p33	14	73.30
ISM1	19.51	chr20	20p12.1	29	100.08
SULT4A1	19.50	chr22	22q13.2	47	96.83
Hs.550370	19.50	chr2	N/A	3	37.87
FUT3	19.50	chr19	19p13.3	33	94.20
Hs.608501	19.50	chr18	N/A	2	104.69
ZBTB8A	19.50	chr1	1p35.1	46	66.72
Hs.603747	19.50	chr2	N/A	2	112.79
Hs.661083	19.50	chr13	N/A	1	0.00
Hs.661541	19.49	chr19	N/A	1	0.00
Hs.565632	19.49	chr20	N/A	7	50.17
LDHC	19.49	chr11	11p15.1	44	77.24
ASIC1	19.49	chr12	12q12	38	80.16
SNX31	19.49	chr8	8q22.3	38	260.92
KLK13	19.49	chr19	19q13.33	52	147.07
Hs.326933	19.49	chr6	N/A	4	12.52
Hs.595538	19.49	chr9	N/A	2	7.14
Hs.444285	19.49	chr1	N/A	3	2.19
Hs.657627	19.49	chr7	N/A	1	0.00
Hs.584687	19.49	chrX	N/A	3	37.37
Hs.677061	19.48	chr7	N/A	1	0.00
PGBD4	19.48	chr15	15q14	32	165.57
LOC100507547	19.48	chr6	N/A	12	100.86
FBXL18	19.48	chr7	7p22.2	45	85.19
C20orf144	19.48	chr20	20q11.22	26	90.94
Hs.559950	19.48	chr11	N/A	3	114.57
Hs.562070	19.48	chrX	N/A	4	58.49
LOC730227	19.47	chr1	1q32.1	14	96.80
PAX6	19.47	chr11	11p13	37	265.02
ADAMTS17	19.47	chr15	15q24	31	107.73
Hs.662079	19.47	chr20	N/A	1	0.00
Hs.659631	19.47	chr5	N/A	8	75.93
Hs.445048	19.46	chr17	N/A	7	116.65
ZGLP1	19.46	chr19	19p13.2	6	87.17
Hs.571138	19.46	chr6	N/A	3	65.47
ERVV-2	19.46	chr19	N/A	3	2.19
Hs.568599	19.46	chr1	N/A	3	33.37
MEI1	19.46	chr22	22q13.2	39	146.97
AASDH	19.46	chr4	4q12	50	97.88
Hs.599860	19.46	chr3	N/A	7	57.55
DHX34	19.46	chr19	19q13.3	64	128.50
Hs.544488	19.46	chr6	N/A	3	99.22
Hs.656701	19.45	chr10	N/A	8	74.25
Hs.661657	19.45	chr2	N/A	1	0.00
Hs.666071	19.45	chr10	N/A	14	109.38
Hs.660736	19.45	chr6	N/A	1	0.00
Hs.539892	19.45	chr14	N/A	3	36.75
CEP41	19.45	chr7	7q32	83	214.65
KLF1	19.45	chr19	19p13.2	31	97.97
AMER3	19.45	chr2	2q21.1	31	75.45
Hs.304650	19.44	chr9	N/A	3	27.06
Hs.733824	19.44	chr2	N/A	7	62.93
ZNF20	19.44	chr19	19p13.2	30	78.26
SLC6A15	19.44	chr12	12q21.3	92	231.62
C10orf114	19.44	chr10	10p12.31	18	45.65
Hs.661328	19.43	chr9	N/A	15	140.84

OR8H3	19.43	chr11	11q12.1	5	56.28
SLC16A14	19.43	chr2	2q36.3	35	107.51
LOC100507520	19.43	chr17	N/A	12	72.88
CSH1	19.43	chr17	17q24.2	91	121.32
LINC00599	19.43	chr8	8p23.1	52	160.86
Hs.710603	19.42	chr15	N/A	3	4.76
Hs.161147	19.42	chr4	N/A	3	67.04
OSBPL3	19.42	chr7	7p15	72	96.76
Hs.555999	19.42	chr2	N/A	2	41.78
Hs.658890	19.42	chr8	N/A	11	82.55
OR11G2	19.42	chr14	14q11.2	15	149.70
Hs.667990	19.42	chr5	N/A	2	118.53
Hs.283151	19.42	chr9	N/A	3	46.13
CTU1	19.42	chr19	19q13.41	16	92.09
NGEF	19.42	chr2	2q37	42	157.17
BMP2K	19.42	chr4	4q21.21	100	90.00
Hs.538065	19.41	chr1	N/A	3	91.10
Hs.637101	19.41	chr8	N/A	3	54.99
Hs.543425	19.41	chr4	N/A	10	72.62
Hs.344170	19.41	chr22	N/A	4	83.55
Hs.546007	19.41	chrX	N/A	3	24.24
Hs.577894	19.41	chr13	N/A	3	80.61
Hs.720522	19.41	chr2	N/A	7	97.50
CDH26	19.41	chr20	20q13.33	52	245.29
Hs.565635	19.41	chr11	N/A	3	79.00
Hs.744455	19.40	chr1	N/A	7	33.67
FBN3	19.40	chr19	19p13	19	61.11
Hs.660203	19.40	chr2	N/A	1	0.00
Hs.539599	19.40	chr13	N/A	3	53.46
Hs.563552	19.40	chr8	N/A	3	46.58
Hs.560598	19.40	chr18	N/A	3	65.58
Hs.600506	19.40	chr3	N/A	7	56.80
AGPHD1	19.39	chr15	15q25.1	24	68.31
Hs.710942	19.39	chr2	N/A	1	0.00
Hs.634868	19.39	chr19	N/A	7	33.73
ZFP1	19.38	chr16	16q23.1	38	123.27
IL18RAP	19.38	chr2	2q12	37	89.55
ZNF75D	19.38	chrX	Xq26.3	71	75.51
DDN	19.38	chr12	12q13.12	27	80.67
GAGE1	19.38	chrX	Xp11.23	35	219.26
Hs.539678	19.38	chr13	N/A	3	24.94
Hs.657664	19.38	chr9	N/A	1	0.00
GNRH1	19.38	chr8	8p21-p11.2	38	93.70
Hs.442267	19.38	chrX	N/A	3	40.26
Hs.547390	19.38	chr18	N/A	3	40.27
C21orf91	19.38	chr21	21q21.1	42	89.82
MTAP	19.38	chr9	9p21	85	150.52
Hs.741478	19.37	chr6	N/A	8	103.20
Hs.564701	19.37	chr14	N/A	3	41.41
Hs.540247	19.37	chr15	N/A	3	40.42
ARHGAP32	19.37	chr11	11q24.3	78	89.47
LYPD3	19.36	chr19	19q13.31	40	116.40
PCDHGA6	19.36	chr5	5q31	3	115.88
Hs.660549	19.36	chr13	N/A	7	109.35
ADAMTS6	19.36	chr5	5q12	50	116.29
Hs.597551	19.36	chr18	N/A	7	115.59
MMP24	19.36	chr20	20q11.2	47	103.58
Hs.540043	19.35	chr14	N/A	3	46.53
PAX5	19.35	chr9	9p13	38	147.68
Hs.584224	19.35	chr9	N/A	3	12.96
Hs.538806	19.35	chr11	N/A	3	44.43
ODAM	19.35	chr4	4q13.3	28	261.69
Hs.578055	19.34	chr13	N/A	3	69.52
CD70	19.34	chr19	19p13	37	105.38
DLX5	19.34	chr7	7q22	30	148.37
Hs.578471	19.34	chr15	N/A	3	12.53

Hs.584947	19.34	chr1	N/A	5	29.10
Hs.566398	19.34	chr5	N/A	3	44.74
ANKRD26	19.34	chr10	10p12.1	62	87.18
Hs.591126	19.34	chr15	N/A	8	109.02
LINC00641	19.34	chr14	14q11.2	46	157.84
LOC100505812	19.34	chr19	N/A	1	0.00
Hs.44269	19.34	chr2	N/A	2	105.97
ABCA2	19.34	chr9	9q34	50	107.33
RHBDL2	19.34	chr1	1p34.3	46	145.35
Hs.663131	19.33	chr19	N/A	8	77.29
Hs.583080	19.33	chr7	N/A	3	43.32
HOXA4	19.33	chr7	7p15.2	34	109.14
SCAF1	19.33	chr19	19q13.3-q13.4	24	67.96
Hs.552820	19.32	chr1	N/A	3	76.28
Hs.434335	19.32	chr18	N/A	4	37.40
Hs.733947	19.32	chr22	N/A	8	193.68
Hs.544405	19.32	chr6	N/A	3	56.73
Hs.596967	19.32	chr16	N/A	1	0.00
TMEM174	19.32	chr5	5q13.2	49	178.42
LOC100506119	19.32	chr9	N/A	8	84.05
CD84	19.32	chr1	1q24	97	164.17
Hs.733407	19.32	chr4	N/A	7	58.98
Hs.713638	19.32	chr1	N/A	1	0.00
Hs.656290	19.32	chr6	N/A	8	72.94
Hs.660479	19.31	chr12	N/A	1	0.00
Hs.560613	19.31	chr18	N/A	3	45.70
Hs.207531	19.31	chr5	N/A	3	81.60
TACC3	19.31	chr4	4p16.3	28	127.95
SLC23A2	19.31	chr20	20p13	56	102.04
OR10G3	19.30	chr14	14q11.2	8	35.93
Hs.659812	19.30	chr15	N/A	14	92.79
TAS2R10	19.30	chr12	12p13	21	65.91
Hs.665002	19.30	chr6	N/A	1	0.00
Hs.733537	19.30	chr11	N/A	14	70.94
LMLN	19.30	chr3	3q29	38	91.80
GRK4	19.30	chr4	4p16.3	62	107.58
MTHFD1L	19.29	chr6	6q25.1	66	100.16
Hs.734004	19.29	chr1	N/A	2	36.34
FZD5	19.29	chr2	2q33.3	65	100.39
Hs.677563	19.29	chr3	N/A	3	47.51
Hs.734512	19.28	chr14	N/A	3	105.56
Hs.14743	19.28	chr8	N/A	3	41.55
PPCDC	19.28	chr15	15q24.2	31	59.65
FRAS1	19.28	chr4	4q21.21	130	117.15
SLC19A3	19.28	chr2	2q37	39	168.38
HOOK1	19.28	chr1	1p32.1	46	103.64
Hs.125352	19.27	chr5	N/A	25	124.48
Hs.149995	19.27	chr10	N/A	17	60.53
REM1	19.27	chr20	20q11.21	30	121.04
CCDC88C	19.27	chr14	14q32.11	63	160.78
Hs.124623	19.27	chr21	N/A	6	66.13
Hs.660456	19.27	chr16	N/A	1	0.00
Hs.598044	19.27	chr17	N/A	7	57.16
Hs.672861	19.27	chr4	N/A	1	0.00
SFT2D2	19.27	chr1	1q24.2	27	131.99
Hs.706309	19.27	chr13	N/A	5	59.37
PROKR1	19.26	chr2	2p13.1	18	54.42
C17orf51	19.26	chr17	17p11.2	54	87.50
HTR1F	19.26	chr3	3p12	21	149.57
SIGLEC12	19.26	chr19	19q13.4	24	111.62
Hs.500098	19.26	chr17	N/A	30	108.73
Hs.537094	19.26	chr10	N/A	7	69.99
Hs.656295	19.26	chr4	N/A	5	70.58
Hs.667258	19.26	chr17	N/A	3	72.34
MFSD6L	19.26	chr17	17p13.1	17	133.11
Hs.656599	19.26	chr4	N/A	7	77.73

Hs.255993	19.26	chr19	N/A	11	19.67
FTMT	19.25	chr5	5q21.3	30	94.96
Hs.402814	19.25	chr10	N/A	3	14.42
Hs.659121	19.25	chr8	N/A	7	79.34
Hs.545405	19.25	chr8	N/A	3	75.59
STAC2	19.25	chr17	17q12	26	78.42
Hs.566669	19.25	chr7	N/A	3	5.89
Hs.733350	19.25	chr12	N/A	7	71.51
ZNF77	19.25	chr19	19p13.3	35	74.72
Hs.663289	19.24	chr15	N/A	1	0.00
LINC00083	19.24	chr1	1q25.2	3	88.03
Hs.571908	19.24	chr1	N/A	3	69.24
Hs.208617	19.24	chr13	N/A	3	76.80
Hs.583954	19.24	chr8	N/A	3	2.91
OR56B4	19.24	chr11	11p15.4	8	47.67
LACE1	19.24	chr6	6q22.1	24	65.77
COL19A1	19.24	chr6	6q12-q13	28	145.24
Hs.735888	19.24	chr3	N/A	1	0.00
Hs.649370	19.24	chr7	N/A	8	113.00
LY6K	19.24	chr8	8q24.3	46	97.93
SIT1	19.24	chr9	9p13-p12	23	91.28
LOC100272216	19.24	chr5	N/A	27	71.05
Hs.541370	19.24	chr19	N/A	3	53.64
NUDT13	19.24	chr10	10q22.1	52	59.96
Hs.180134	19.24	chr14	N/A	7	130.44
Hs.543738	19.24	chr4	N/A	3	20.34
GALNT10	19.23	chr5	5q33.2	91	96.35
MAGEE2	19.23	chrX	Xq13.3	19	122.88
Hs.542021	19.23	chr2	N/A	3	22.10
Hs.564680	19.23	chr14	N/A	3	70.77
RGL4	19.23	chr22	22q11.23	19	89.98
FLJ46838	19.23	chr2	2p16.3	3	36.78
WIPF3	19.23	chr7	7p14.3	14	96.83
NME9	19.22	chr3	3q22.3	47	119.02
FOXN3-AS1	19.22	chr14	14q32.11	27	57.29
Hs.667643	19.22	chr4	N/A	8	89.94
ARHGAP11B	19.21	chr15	15q13.2	8	44.99
SEPSECS	19.21	chr4	4p15.2	53	94.65
Hs.661045	19.21	chr13	N/A	1	0.00
RASSF9	19.21	chr12	12q21.31	28	65.27
LOC388780	19.21	chr20	20p13	4	52.60
Hs.745491	19.20	chr16	N/A	8	18.67
Hs.638668	19.20	chr5	N/A	3	31.19
Hs.671234	19.20	chr5	N/A	1	0.00
FAM132A	19.20	chr1	1p36.33	14	32.15
TADA2A	19.20	chr17	17q12-q21	60	106.99
HMP19	19.20	chr5	5q35.2	28	99.26
Hs.564352	19.20	chr12	N/A	3	36.13
Hs.710182	19.20	chr5	N/A	7	59.75
SKAP2	19.19	chr7	7p15.2	93	171.09
Hs.545953	19.19	chrX	N/A	3	64.72
Hs.579295	19.19	chr17	N/A	3	16.69
Hs.671708	19.19	chr11	N/A	1	0.00
CPNE9	19.19	chr3	3p25.3	28	83.29
LRTM2	19.19	chr12	12p13.33	16	100.09
Hs.674745	19.18	chr3	N/A	1	0.00
OSBPL10	19.18	chr3	3p22.3	71	100.53
LOC100506446	19.18	chr14	N/A	8	78.85
Hs.652627	19.18	chr17	N/A	3	51.33
Hs.661289	19.18	chr10	N/A	11	43.03
Hs.583640	19.18	chr8	N/A	3	39.75
Hs.659251	19.17	chr11	N/A	14	72.40
IL36A	19.17	chr2	2q12-q14.1	21	48.88
Hs.671761	19.17	chr10	N/A	10	32.01
Hs.281351	19.17	chr3	N/A	3	22.11
ZNF773	19.17	chr19	19q13.43	23	104.65

SCGB1C1	19.17	chr11	11p15.5	33	247.57
YY2	19.17	chrX	Xp22.2-p22.1	8	64.35
Hs.660870	19.17	chr2	N/A	22	103.70
Hs.443067	19.16	chr15	N/A	3	51.66
ANGPTL5	19.16	chr11	11q22.1	16	50.05
Hs.143292	19.16	chr15	N/A	20	76.74
DNAJC22	19.16	chr12	12q13.12	32	92.22
Hs.734051	19.16	chr17	N/A	7	122.78
RAD54L	19.16	chr1	1p32	32	173.97
LOC100507150	19.16	chr4	N/A	2	104.82
Hs.444785	19.15	chr7	N/A	1	0.00
Hs.551438	19.15	chr2	N/A	3	28.51
Hs.543562	19.14	chr4	N/A	3	48.40
Hs.555947	19.14	chr4	N/A	7	150.37
DUOX2	19.14	chr15	15q15.3	35	67.12
CHRNA2	19.13	chr8	8p21	33	184.41
KRT84	19.13	chr12	12q13	11	109.75
Hs.597326	19.13	chr2	N/A	7	67.90
Hs.540961	19.13	chr18	N/A	3	43.77
Hs.540564	19.13	chr16	N/A	3	35.34
SLC25A30	19.13	chr13	13q14.13	22	106.33
Hs.548403	19.13	chr13	N/A	3	74.81
C9orf106	19.13	chr9	9q34.11	3	46.57
Hs.635133	19.13	chr6	N/A	10	84.50
VILL	19.13	chr3	3p21.3	28	41.47
Hs.574945	19.13	chr3	N/A	3	38.99
Hs.566779	19.12	chr7	N/A	3	59.25
SEMA4G	19.12	chr10	10q24.31	31	71.48
CBX8	19.12	chr17	17q25.3	21	68.52
KCNK4	19.12	chr11	11q13	26	51.21
Hs.655048	19.12	chr8	N/A	1	0.00
TMEM207	19.11	chr3	3q28	16	126.88
Hs.540598	19.11	chr16	N/A	3	58.63
Hs.541865	19.11	chr2	N/A	7	119.34
TUBGCP5	19.11	chr15	15q11.2	22	66.31
Hs.649508	19.10	chr17	N/A	7	80.00
Hs.728378	19.10	chr6	N/A	7	72.56
RASSF10	19.10	chr11	11p15.2	6	57.98
Hs.731931	19.10	chr21	N/A	7	120.64
CORO2A	19.10	chr9	9q22.3	39	107.32
TBR1	19.10	chr2	2q24	30	99.07
CXCR5	19.10	chr11	11q23.3	55	154.48
Hs.31632	19.10	chr5	N/A	8	94.72
WFDC5	19.10	chr20	20q13.12	39	146.50
CACNA2D1	19.10	chr7	7q21-q22	33	61.69
HS3ST3A1	19.10	chr17	17p12	25	104.58
PLA2G2D	19.09	chr1	1p36.12	36	109.70
FLJ32955	19.09	chr2	2q23.3	18	73.70
CEP57L1	19.09	chr6	6q21	42	105.48
Hs.385528	19.09	chr21	N/A	1	0.00
INHA	19.09	chr2	2q33-q36	25	77.66
Hs.565314	19.09	chr18	N/A	10	70.11
Hs.130251	19.09	chr10	N/A	10	96.62
HOXA5	19.09	chr7	7p15.2	28	74.86
Hs.459805	19.08	chr16	N/A	3	55.22
ANKRD36B	19.08	chr2	2q11.2	70	75.23
Hs.666997	19.08	chr2	N/A	3	52.65
FAM74A4	19.08	chr9	9q12	19	79.02
POLR3G	19.08	chr5	5q14.3	39	96.59
Hs.656056	19.08	chr10	N/A	7	64.12
CYP2F1	19.08	chr19	19q13.2	36	247.47
Hs.545032	19.08	chr7	N/A	3	73.42
IGLV1-40	19.07	chr22	22q11.2	5	41.98
Hs.317664	19.07	chr2	N/A	3	31.35
FAM153B	19.07	chr5	5q35.2	36	124.77
Hs.611748	19.07	chr3	N/A	11	14.59

Hs.614313	19.07	chr19	N/A	1	0.00
CCDC180	19.06	chr9	9q22.33	53	94.14
SYK	19.06	chr9	9q22	82	132.96
SLC17A2	19.06	chr6	6p21.3	38	73.56
Hs.659547	19.06	chr8	N/A	7	57.95
PRELID2	19.06	chr5	5q32	31	92.87
Hs.659212	19.05	chr7	N/A	8	66.49
HPN	19.05	chr19	19q13.12	46	51.43
LGI2	19.05	chr4	4p15.2	37	85.34
Hs.532236	19.05	chr7	N/A	7	104.17
Hs.660099	19.05	chr9	N/A	8	127.17
SIX2	19.05	chr2	2p21	26	54.24
Hs.690416	19.05	chr4	N/A	3	16.92
LINC00284	19.04	chr13	13q14.11	4	77.39
HP07349	19.04	chr5	N/A	19	57.66
C1orf74	19.04	chr1	1q32.2	19	86.23
Hs.601153	19.04	chr1	N/A	7	28.27
LAT2	19.04	chr7	7q11.23	59	94.63
HAS2	19.04	chr8	8q24.12	40	99.09
ZNF490	19.04	chr19	19p13.2	29	50.64
Hs.127383	19.04	chr13	N/A	32	99.85
OSR2	19.04	chr8	8q22.2	40	85.96
CHRNA4	19.04	chr20	20q13.2-q13.3	53	112.23
Hs.621745	19.03	chr15	N/A	3	47.25
CHRNA3	19.03	chr8	8p11.2	28	122.28
KRTAP4-2	19.03	chr17	17q12-q21	19	86.04
OR8U1	19.03	chr11	11q12.1	16	77.41
C9orf116	19.03	chr9	9q34.3	36	67.99
Hs.542990	19.03	chr3	N/A	3	18.43
CSMD3	19.03	chr8	8q23.3	55	262.75
Hs.582974	19.03	chr6	N/A	3	4.78
GP5	19.03	chr3	3q29	38	72.73
TMEM95	19.02	chr17	17p13.1	17	100.48
PRAP1	19.02	chr10	10q26.3	22	45.64
Hs.672032	19.02	chrX	N/A	1	0.00
Hs.255015	19.02	chr7	N/A	7	53.69
Hs.562585	19.02	chr15	N/A	3	63.21
Hs.539703	19.02	chr13	N/A	3	49.66
FAM53A	19.02	chr4	4p16.3	7	88.35
Hs.737350	19.01	chr20	N/A	3	64.64
Hs.572460	19.01	chr17	N/A	3	63.53
Hs.726062	19.01	chr8	N/A	8	62.70
Hs.570861	19.01	chr4	N/A	3	49.82
Hs.437797	19.01	chr6	N/A	3	49.00
Hs.672010	19.01	chr12	N/A	1	0.00
LOC100129175	19.00	chr2	2q35	1	0.00
Hs.567141	19.00	chrX	N/A	3	109.86
Hs.542940	19.00	chr3	N/A	3	49.84
FAM129C	19.00	chr19	19p13.11	38	133.66
Hs.657431	19.00	chr5	N/A	8	176.28
Hs.655297	19.00	chr6	N/A	1	0.00
TUBGCP3	19.00	chr13	13q34	72	75.70
CALHM1	19.00	chr10	10q24.33	20	71.65
Hs.720252	19.00	chr14	N/A	22	56.94
Hs.661649	19.00	chr11	N/A	7	86.59
Hs.565248	19.00	chr19	N/A	3	36.65
Hs.563274	19.00	chr5	N/A	7	68.63
TUSC5	19.00	chr17	17p13.3	29	108.55
Hs.563783	18.99	chr1	N/A	3	35.44
NKAIN2	18.99	chr6	6q21	37	285.32
Hs.569313	18.99	chr14	N/A	3	30.71
LOC286367	18.98	chr9	9q31.1	1	0.00
Hs.721322	18.98	chr22	N/A	3	60.00
Hs.574821	18.98	chr20	N/A	3	54.99
Hs.606170	18.98	chr17	N/A	1	0.00
DEFB124	18.98	chr20	20q11.1	5	81.28

Hs.660011	18.97	chr6	N/A	3	72.42
Hs.579565	18.97	chr18	N/A	3	63.84
Hs.542708	18.97	chr22	N/A	3	66.88
BMP1	18.97	chr8	8p21.3	105	109.65
PPP5D1	18.97	chr19	N/A	1	0.00
SPRR2E	18.97	chr1	1q21-q22	8	111.94
MYH3	18.97	chr17	17p13.1	28	191.66
PAPOLG	18.97	chr2	2p16.1	46	92.06
Hs.609810	18.96	chr6	N/A	7	76.99
NOS1	18.96	chr12	12q24.2-q24.31	80	148.23
Hs.86650	18.96	chr7	N/A	6	64.95
Hs.563732	18.96	chr1	N/A	3	47.34
Hs.447449	18.96	chr10	N/A	7	62.27
Hs.473133	18.96	chr20	N/A	14	69.96
MARCH11	18.96	chr5	5p15.1	10	56.85
IL20	18.96	chr1	1q32	14	146.78
HLA-DQA2	18.96	chr6	6p21.3	3	15.59
Hs.633143	18.95	chr20	N/A	45	76.50
GRIP1	18.95	chr12	12q14.3	63	269.45
ENHO	18.95	chr9	9p13.3	26	56.26
GABRP	18.95	chr5	5q35.1	30	59.38
Hs.133024	18.95	chr7	N/A	10	84.25
PP2672	18.95	chr1	1q42.3	11	46.69
Hs.583993	18.95	chr9	N/A	3	35.11
Hs.709751	18.95	chr19	N/A	2	36.94
TMEM79	18.94	chr1	1q22	26	104.73
MOG	18.94	chr6	6p22.1	41	73.62
Hs.573015	18.94	chr3	N/A	3	44.51
Hs.543281	18.94	chr3	N/A	3	33.77
Hs.549973	18.94	chr21	N/A	3	60.58
Hs.209978	18.94	chr17	N/A	3	77.44
SLC36A1	18.94	chr5	5q33.1	57	125.90
FANCF	18.93	chr11	11p15	24	56.02
Hs.703467	18.93	chr19	N/A	21	39.32
LOC100505570	18.93	chr11	N/A	18	79.75
Hs.737452	18.93	chr3	N/A	8	60.88
Hs.567093	18.92	chr9	N/A	3	103.53
Hs.193951	18.92	chrX	N/A	3	63.03
TTC18	18.92	chr10	10q22.2	46	85.85
KIN	18.92	chr10	10p15-p14	56	75.37
Hs.406952	18.91	chr2	N/A	1	0.00
LOC84931	18.91	chr2	2q14.2	19	134.44
TDRKH	18.91	chr1	1q21	44	75.46
ZNF563	18.91	chr19	19p13.2	38	81.39
C10orf137	18.91	chr10	10q26.13	64	90.30
CYTL1	18.91	chr4	4p16-p15	28	66.15
LOC100996578	18.91	chr11	N/A	19	86.02
Hs.596038	18.91	chr19	N/A	8	117.75
Hs.541850	18.91	chr2	N/A	3	57.62
Hs.660954	18.90	chr12	N/A	1	0.00
ZFP69B	18.90	chr1	1p34.2	40	108.90
DSCAM	18.90	chr21	21q22.2	37	113.75
NRXN3	18.90	chr14	14q31	66	161.86
SNORD4B	18.90	chr17	17q11	3	28.30
CFC1B	18.90	chr2	2q21.1	16	125.88
Hs.141120	18.90	chrX	N/A	7	91.63
INPP5B	18.90	chr1	1p34	47	130.37
Hs.576342	18.90	chr1	N/A	3	47.10
ADH4	18.90	chr4	4q22	39	97.93
LOC399715	18.90	chr10	10p15.1	16	104.58
SPANXB1	18.90	chrX	Xq27.1	6	71.83
Hs.128577	18.90	chr19	N/A	3	72.81
GXYLT1	18.90	chr12	12q12	34	89.99
Hs.597244	18.89	chr10	N/A	1	0.00
Hs.301974	18.89	chr8	N/A	7	109.98
OR5P2	18.89	chr11	11p15.4	22	71.62

CCNB2	18.89	chr15	15q22.2	49	97.70
Hs.597993	18.89	chr12	N/A	1	0.00
Hs.524845	18.89	chr12	N/A	3	26.96
Hs.602185	18.89	chr1	N/A	7	54.73
Hs.48823	18.89	chr1	N/A	3	10.08
Hs.603843	18.89	chr5	N/A	14	59.56
ZNF45	18.89	chr19	19q13.2	38	112.88
Hs.174021	18.89	chr9	N/A	8	68.97
DPY19L3	18.88	chr19	19q13.11	64	170.36
Hs.364570	18.88	chr7	N/A	3	39.13
Hs.550356	18.88	chr18	N/A	3	61.65
Hs.659646	18.88	chr8	N/A	7	94.16
Hs.604132	18.88	chr2	N/A	2	50.37
Hs.545626	18.88	chr9	N/A	3	38.63
Hs.541012	18.87	chr18	N/A	3	51.93
Hs.648889	18.87	chr1	N/A	3	66.86
Hs.639104	18.87	chr4	N/A	3	20.22
Hs.655681	18.87	chr10	N/A	14	103.60
HDAC8	18.87	chrX	Xq13	38	70.19
CALB1	18.87	chr8	8q21.3	35	146.52
Hs.666701	18.87	chr1	N/A	7	61.43
Hs.544353	18.86	chr6	N/A	3	6.05
Hs.666270	18.86	chr2	N/A	7	70.82
TRIM14	18.86	chr9	9q22.33	90	140.92
Hs.562894	18.86	chr2	N/A	3	58.71
Hs.545526	18.86	chr8	N/A	3	46.12
FLJ33534	18.86	chr2	2p25.1	27	151.84
Hs.539879	18.86	chr14	N/A	3	30.62
MYH1	18.86	chr17	17p13.1	31	151.33
Hs.368328	18.86	chr5	N/A	17	58.97
GPR113	18.86	chr2	2p23.3	35	84.71
SPATA8	18.86	chr15	15q26.2	19	44.72
Hs.663737	18.86	chr6	N/A	14	52.85
Hs.618034	18.86	chr4	N/A	3	51.07
IL17A	18.86	chr6	6p12	28	105.80
OR51J1	18.85	chr11	11p15.4	1	0.00
WNT3	18.85	chr17	17q21	29	79.98
ATAD2B	18.85	chr2	2p24.1-p23.3	41	114.62
Hs.561790	18.85	chr8	N/A	4	72.44
ENTPD3-AS1	18.85	chr3	3p21.33	10	71.07
DDX60	18.85	chr4	4q32.3	33	65.31
Hs.670134	18.85	chr14	N/A	1	0.00
Hs.624434	18.85	chr14	N/A	3	67.24
Hs.592734	18.85	chr18	N/A	18	73.46
KIAA1614	18.84	chr1	1q25.3	17	58.46
RAB41	18.84	chrX	Xq13.1	5	80.85
LOC100507513	18.84	chr14	N/A	6	55.53
Hs.576292	18.84	chr1	N/A	3	74.60
Hs.406526	18.83	chrX	N/A	8	157.10
Hs.652958	18.83	chr2	N/A	1	0.00
MOCS3	18.83	chr20	20q13.13	30	60.26
Hs.606418	18.83	chr6	N/A	3	81.87
Hs.536898	18.83	chr5	N/A	3	20.36
Hs.566624	18.83	chr7	N/A	3	38.05
NSUN6	18.83	chr10	10p12.31	22	70.23
Hs.573738	18.83	chr1	N/A	3	23.87
RAD51D	18.83	chr17	17q11	61	77.46
Hs.677109	18.82	chr14	N/A	1	0.00
FAM26F	18.82	chr6	6q22.1	27	131.68
F11	18.82	chr4	4q35	43	111.16
Hs.570716	18.82	chr4	N/A	1	0.00
Hs.484468	18.82	chr6	N/A	3	67.77
RNASE2	18.82	chr14	14q24-q31	40	67.22
Hs.445248	18.82	chr13	N/A	3	62.58
LOC145845	18.82	chr15	15q14	5	54.90
Hs.566024	18.81	chr4	N/A	3	62.72

VAV1	18.81	chr19	19p13.2	37	84.16
SKIL	18.81	chr3	3q26	97	182.06
Hs.564174	18.81	chr11	N/A	3	38.45
SLC24A2	18.81	chr9	9p22.1	49	104.33
PRODH2	18.81	chr19	19q13.1	31	88.37
TRIM38	18.81	chr6	6p21.3	35	90.03
Hs.667288	18.81	chr2	N/A	7	48.68
GPR32	18.81	chr19	19q13.33	21	65.16
LOC645355	18.81	chr18	18p11.31	7	89.06
Hs.686914	18.80	chr1	N/A	3	43.29
LDLRAD2	18.80	chr1	1p36.12	3	21.93
Hs.579317	18.80	chr17	N/A	3	69.62
FLJ33544	18.80	chr20	20p12.3	3	74.39
OTOP2	18.80	chr17	17q25.1	20	61.06
Hs.658167	18.80	chr4	N/A	3	59.55
SMPDL3B	18.79	chr1	1p35.3	38	109.05
Hs.657886	18.79	chr5	N/A	7	46.14
SLC34A2	18.79	chr4	4p15.2	41	55.42
C1orf233	18.79	chr1	1p36.33	16	95.05
KIF5A	18.79	chr12	12q13.13	70	92.71
Hs.658605	18.79	chr1	N/A	9	85.77
Hs.542265	18.79	chr20	N/A	3	15.34
Hs.115519	18.79	chr8	N/A	11	40.82
CCNT2	18.79	chr2	2q21.3	61	89.22
ZSCAN20	18.79	chr1	1p34.3	25	84.19
Hs.637730	18.78	chr20	N/A	4	70.00
Hs.655031	18.78	chr14	N/A	8	93.95
Hs.576963	18.78	chr11	N/A	3	60.70
Hs.578119	18.78	chr14	N/A	3	60.76
Hs.405427	18.78	chr1	N/A	18	75.48
CAMSAP3	18.78	chr19	19p13.2	36	122.97
PARP8	18.77	chr5	5q11.1	58	100.83
Hs.550275	18.77	chr11	N/A	3	90.55
KCNN1	18.77	chr19	19p13.1	31	104.48
DIO2-AS1	18.77	chr14	N/A	1	0.00
Hs.631976	18.77	chr5	N/A	2	44.31
Hs.60456	18.77	chr5	N/A	6	84.07
Hs.571228	18.77	chr7	N/A	3	32.03
Hs.540351	18.77	chr15	N/A	10	182.34
Hs.156981	18.77	chr17	N/A	10	60.21
Hs.547320	18.77	chr1	N/A	3	78.74
AIFM3	18.77	chr22	22q11.21	19	159.82
Hs.584392	18.77	chrX	N/A	3	65.92
SLC41A2	18.77	chr12	12q23.3	34	136.20
DDX31	18.77	chr9	9q34.13	47	111.82
Hs.545462	18.76	chr8	N/A	3	65.45
CD38	18.76	chr4	4p15	30	111.53
Hs.571506	18.76	chr8	N/A	3	107.94
Hs.663184	18.76	chr2	N/A	11	36.90
Hs.655861	18.76	chr9	N/A	8	52.14
Hs.564183	18.76	chr11	N/A	3	18.50
Hs.559775	18.76	chr1	N/A	17	169.13
Hs.112910	18.76	chr10	N/A	7	135.15
Hs.567222	18.76	chrY	N/A	3	40.74
Hs.600963	18.76	chr14	N/A	7	136.33
Hs.593955	18.76	chr4	N/A	5	47.22
LMX1B	18.76	chr9	9q33.3	33	122.63
Hs.661841	18.76	chr6	N/A	1	0.00
Hs.581622	18.76	chr3	N/A	3	77.61
LOC285972	18.76	chr7	7q36.1	8	158.03
Hs.368206	18.75	chr4	N/A	10	95.03
AP4S1	18.75	chr14	14q12	73	84.72
CAPN8	18.75	chr1	1q41	14	80.01
TERT	18.75	chr5	5p15.33	57	85.34
Hs.724798	18.75	chr9	N/A	7	87.96
Hs.143937	18.75	chr5	N/A	10	96.36

Hs.644297	18.75	chr2	N/A	5	82.23
NPCDR1	18.75	chr3	3p21.1	16	52.41
Hs.603847	18.75	chr1	N/A	8	50.17
Hs.611230	18.74	chr19	N/A	3	10.83
Hs.635281	18.74	chr19	N/A	7	81.76
ERO1LB	18.74	chr1	1q42.2-q43	59	100.00
BNC1	18.74	chr15	15q25.2	43	118.26
SMAD9	18.73	chr13	13q12-q14	44	77.41
Hs.552121	18.73	chr7	N/A	3	14.12
ZNF385D	18.73	chr3	3p24.3	35	103.78
Hs.599538	18.73	chr1	N/A	7	95.47
GPR61	18.73	chr1	1p13.3	21	182.04
PRPS1L1	18.73	chr7	7p21.1	28	59.70
LOC100190986	18.73	chr16	16p12.2	86	114.95
Hs.387918	18.73	chr20	N/A	3	20.05
Hs.667170	18.73	chr1	N/A	3	55.68
Hs.539001	18.73	chr11	N/A	10	60.30
HRG	18.73	chr3	3q27	48	85.87
IGFL4	18.73	chr19	19q13.32	3	64.02
GPR31	18.73	chr6	6q27	23	108.68
Hs.583509	18.72	chr7	N/A	3	49.10
SLC35F2	18.72	chr11	11q22.3	34	86.60
SYNRG	18.72	chr17	17q12	87	104.29
Hs.675819	18.72	chr8	N/A	15	62.02
Hs.580655	18.72	chr20	N/A	3	55.08
ZNF74	18.72	chr22	22q11.21	49	78.19
KIAA0895L	18.71	chr16	16q22.1	31	74.29
MYBL1	18.71	chr8	8q22	72	128.47
Hs.428111	18.71	chr17	N/A	3	42.20
Hs.650727	18.71	chr14	N/A	3	29.43
Hs.128035	18.71	chrX	N/A	5	73.10
PSD2	18.71	chr5	5q31.2	24	162.20
Hs.48945	18.70	chr12	N/A	11	77.19
RIN3	18.70	chr14	14q32.12	81	119.15
CDYL2	18.70	chr16	16q23.2	33	205.20
Hs.147783	18.70	chr7	N/A	3	57.36
RIMS3	18.69	chr1	1pter-p22.2	40	90.64
LPO	18.69	chr17	17q23.1	23	190.62
MDM2	18.69	chr12	12q14.3-q15	142	127.88
Hs.666970	18.69	chr17	N/A	2	77.94
Hs.566552	18.69	chr6	N/A	3	54.55
Hs.550139	18.69	chr13	N/A	3	44.65
FOXI1	18.69	chr5	5q34	40	60.86
SIRPB1	18.69	chr20	20p13	36	87.02
ASGR2	18.69	chr17	17p	36	126.64
FAM27A	18.69	chr9	9q12	4	72.82
Hs.127911	18.69	chr1	N/A	5	55.84
KIR2DL4	18.69	chr19	19q13.4	51	81.79
AMACR	18.68	chr5	5p13	64	66.02
Hs.196042	18.68	chr3	N/A	4	78.70
Hs.543925	18.68	chr5	N/A	3	84.82
EN1	18.67	chr2	2q14.2	21	260.85
CCDC57	18.67	chr17	17q25.3	102	105.70
Hs.661715	18.67	chr2	N/A	15	128.42
Hs.660869	18.67	chr15	N/A	1	0.00
MMP16	18.67	chr8	8q21.3	84	227.41
ZNF17	18.67	chr19	19q13.4	30	132.28
Hs.595266	18.67	chr16	N/A	7	49.60
TXNDC8	18.67	chr9	9q31.3	6	66.08
Hs.564048	18.67	chr10	N/A	3	74.77
Hs.677096	18.66	chr2	N/A	1	0.00
ANKRD20A1	18.66	chr9	9q13	22	127.62
Hs.598454	18.66	chr2	N/A	7	57.29
SYT7	18.66	chr11	11q12-q13.1	63	126.88
Hs.539278	18.66	chr12	N/A	3	41.72
ELOVL3	18.66	chr10	10q24.32	19	145.69

CENPP	18.66	chr9	9q22.31	22	88.91
TNN	18.66	chr1	1q23-q24	25	188.27
Hs.733102	18.66	chr3	N/A	1	0.00
Hs.270314	18.65	chr18	N/A	1	0.00
Hs.563034	18.65	chr21	N/A	3	84.99
Hs.662934	18.65	chr10	N/A	7	46.66
Hs.658519	18.65	chr10	N/A	8	71.71
CHAC2	18.65	chr2	2p16	26	51.32
KRTAP21-1	18.65	chr21	21q22.1	6	48.33
Hs.560507	18.65	chr15	N/A	6	53.10
Hs.596600	18.65	chr8	N/A	7	54.91
Hs.602320	18.65	chr3	N/A	9	80.09
OR52A1	18.64	chr11	11p15.5	21	68.81
Hs.26297	18.64	chr7	N/A	21	64.19
Hs.660989	18.64	chr15	N/A	12	81.29
SNCAIP	18.64	chr5	5q23.2	39	109.64
PBX4	18.63	chr19	19p12	26	100.27
Hs.97418	18.63	chr11	N/A	10	99.10
Hs.662341	18.63	chr6	N/A	3	63.76
METTL20	18.63	chr12	12p11.21	34	74.96
Hs.602816	18.63	chr4	N/A	2	73.06
PIGW	18.63	chr17	17q12	34	75.48
LOC646513	18.63	chr22	22q12.2	10	35.26
Hs.737365	18.63	chr11	N/A	1	0.00
CYP26A1	18.62	chr10	10q23-q24	48	63.27
Hs.170666	18.62	chr8	N/A	3	59.35
VCX3B	18.62	chrX	Xp22.31	3	53.75
Hs.565165	18.62	chr18	N/A	3	49.74
SEMA3A	18.62	chr7	7p12.1	56	159.76
Hs.131802	18.62	chr16	N/A	10	83.43
Hs.666539	18.62	chrX	N/A	2	39.02
VSIG10	18.62	chr12	12q24.23	48	79.69
HIST1H4L	18.61	chr6	6p22.1	23	135.16
Hs.666070	18.61	chr16	N/A	14	66.90
Hs.733006	18.61	chr5	N/A	1	0.00
GUCA1B	18.61	chr6	6p21.1	44	98.56
DLX4	18.61	chr17	17q21.33	48	87.34
Hs.581974	18.61	chr4	N/A	3	72.08
Hs.657557	18.61	chr10	N/A	18	73.80
POTEE	18.61	chr2	2q21.1	38	268.13
SEMA3D	18.60	chr7	7q21.11	73	157.00
EPB41	18.60	chr1	1p33-p32	87	173.85
Hs.548433	18.60	chr14	N/A	3	18.28
Hs.659614	18.60	chr11	N/A	7	138.69
Hs.733631	18.60	chr11	N/A	7	51.94
Hs.580481	18.60	chr2	N/A	3	41.91
Hs.542537	18.60	chr21	N/A	3	73.41
Hs.513113	18.60	chr13	N/A	3	25.80
GPRC6A	18.60	chr6	6q22.1	23	150.28
PPP1R37	18.59	chr19	19q13.32	36	153.85
LINC00654	18.59	chr20	20p12.3	41	54.36
Hs.559911	18.59	chr11	N/A	3	75.06
ZNF432	18.59	chr19	19q13.41	35	98.93
Hs.638707	18.59	chr1	N/A	4	91.89
TTY12	18.59	chrY	Yp11.2	18	170.29
Hs.557559	18.59	chr18	N/A	11	79.03
Hs.385789	18.59	chr5	N/A	4	50.94
IFNA14	18.58	chr9	9p22	26	133.46
TCF23	18.58	chr2	2p23.3	13	55.45
Hs.549668	18.58	chr6	N/A	3	51.54
SHISA6	18.58	chr17	17p12	30	99.89
Hs.710121	18.58	chr12	N/A	7	56.66
Hs.518635	18.58	chr4	N/A	1	0.00
OR2B2	18.57	chr6	6p22.3-p21.3	24	73.26
Hs.545142	18.57	chr7	N/A	3	112.52
Hs.7847	18.57	chr3	N/A	8	52.51

Hs.541023	18.56	chr18	N/A	7	51.83
Hs.602510	18.56	chr2	N/A	8	92.81
Hs.667553	18.56	chr11	N/A	2	5.61
Hs.710591	18.56	chr1	N/A	3	67.59
LOC100505942	18.56	chr16	N/A	1	0.00
Hs.120170	18.56	chr12	N/A	17	153.75
C2orf70	18.56	chr2	2p23.3	30	96.24
CARD11	18.56	chr7	7p22	28	120.82
Hs.47037	18.56	chr15	N/A	10	131.97
ZNF594	18.56	chr17	17p13	28	92.59
Hs.597163	18.55	chr12	N/A	7	40.86
Hs.545236	18.55	chr8	N/A	3	83.64
Hs.678224	18.55	chr14	N/A	1	0.00
GPR144	18.55	chr9	9q33.3	29	102.89
Hs.734648	18.55	chr9	N/A	16	53.43
Hs.202349	18.55	chr16	N/A	1	0.00
TIPIN	18.55	chr15	15q22.31	28	82.29
FOLR3	18.55	chr11	11q13	23	104.04
Hs.487883	18.54	chr12	N/A	8	102.96
STAB2	18.54	chr12	12q23.3	51	106.78
Hs.578638	18.54	chr15	N/A	3	41.36
Hs.662113	18.54	chr14	N/A	1	0.00
Hs.363541	18.54	chr4	N/A	3	9.53
TINCR	18.54	chr19	19p13.3	45	104.04
ELANE	18.54	chr19	19p13.3	23	79.65
Hs.132368	18.54	chrX	N/A	5	68.22
Hs.711113	18.53	chr12	N/A	7	61.04
Hs.48729	18.53	chr6	N/A	19	90.93
Hs.650799	18.53	chr7	N/A	3	56.53
XKRX	18.53	chrX	Xq22.1	18	209.61
Hs.543106	18.52	chr3	N/A	3	53.78
IGHE	18.52	chr14	14q32.33	2	29.94
Hs.738265	18.52	chr5	N/A	3	69.19
FLJ31104	18.52	chr5	5q11.2	1	0.00
Hs.532055	18.52	chr8	N/A	3	34.76
Hs.584115	18.52	chr9	N/A	3	70.80
Hs.271498	18.52	chr12	N/A	21	195.03
Hs.732745	18.52	chr8	N/A	19	43.57
Hs.17949	18.52	chr3	N/A	3	39.53
PDE6A	18.51	chr5	5q31.2-q34	37	129.46
LRRC16A	18.51	chr6	6p22.2	61	145.02
CCDC158	18.51	chr4	4q21.1	44	176.59
Hs.732268	18.51	chr2	N/A	14	69.14
Hs.745299	18.51	chr5	N/A	10	28.04
MMAA	18.51	chr4	4q31.21	49	100.77
Hs.442623	18.51	chr22	N/A	11	45.02
Hs.661007	18.51	chr6	N/A	3	37.29
Hs.539458	18.50	chr12	N/A	10	42.80
Hs.573865	18.50	chr10	N/A	6	80.87
Hs.635507	18.50	chr14	N/A	3	65.03
LOC643648	18.50	chr9	9p11.2	11	52.89
MRGPRX2	18.50	chr11	11p15.1	20	62.04
SFTPD	18.49	chr10	10q22.2-q23.1	44	104.74
Hs.583442	18.49	chr7	N/A	3	19.63
Hs.732367	18.49	chr13	N/A	1	0.00
SYT5	18.49	chr19	11p	45	91.12
TMC2	18.49	chr20	20p13	29	220.42
PHGR1	18.49	chr15	15q15.1	1	0.00
Hs.637237	18.49	chr8	N/A	3	41.73
LOC100509205	18.49	chr1	N/A	11	65.57
KRT35	18.49	chr17	17q21.2	30	67.88
ZNF488	18.49	chr10	10q11.22	33	92.58
Hs.543011	18.49	chr3	N/A	3	43.15
INSM2	18.49	chr14	14q13.2	19	181.85
LOC100506458	18.48	chr7	N/A	10	35.39
Hs.542914	18.48	chr3	N/A	3	111.60

Hs.266571	18.48	chr20	N/A	3	32.91
CEACAM6	18.47	chr19	19q13.2	50	96.79
Hs.562002	18.47	chrX	N/A	1	0.00
SPTBN5	18.47	chr15	15q21	28	117.10
KCTD17	18.47	chr22	22q12.3	44	87.30
Hs.179697	18.47	chr2	N/A	28	134.06
VANGL1	18.47	chr1	1p13.1	83	85.29
Hs.565418	18.47	chr2	N/A	3	65.63
FARP2	18.47	chr2	2q37.3	39	112.76
DAO	18.47	chr12	12q24	44	154.89
ACAP3	18.47	chr1	N/A	77	99.32
Hs.662596	18.46	chr10	N/A	7	41.63
Hs.307117	18.46	chr20	N/A	7	78.59
GOLM1	18.46	chr9	9q21.33	49	151.16
SOX21	18.46	chr13	13q31-q32	38	93.71
Hs.634943	18.46	chr17	N/A	7	58.84
UGT3A1	18.46	chr5	5p13.2	57	98.78
Hs.543634	18.46	chr4	N/A	3	29.77
Hs.713884	18.46	chr11	N/A	7	77.60
Hs.650578	18.46	chr9	N/A	3	32.80
LGALS4	18.45	chr19	19q13.2	44	96.28
GLI1	18.45	chr12	12q13.2-q13.3	37	101.27
RAB40AL	18.45	chrX	Xq22.2	12	133.98
Hs.553018	18.45	chr2	N/A	4	62.73
ENOX1	18.45	chr13	13q14.11	28	67.34
ADCYAP1R1	18.45	chr7	7p14	31	66.34
KRTAP10-12	18.45	chr21	21q22.3	7	92.87
GPR179	18.45	chr17	17q21.1	6	71.60
HIST1H2BJ	18.45	chr6	6p22.1	30	74.40
Hs.527563	18.45	chrX	N/A	3	71.63
SLC6A16	18.45	chr19	19q13.33	29	70.26
Hs.552216	18.44	chr11	N/A	3	22.57
Hs.458446	18.44	chr15	N/A	17	144.33
Hs.687457	18.44	chr4	N/A	2	93.39
FSCN3	18.44	chr7	7q31.3	21	126.35
Hs.659775	18.44	chr4	N/A	3	62.37
Hs.604194	18.44	chr17	N/A	3	103.06
Hs.467868	18.44	chr2	N/A	7	41.33
Hs.539194	18.43	chr12	N/A	3	28.47
ZNF566	18.43	chr19	19q13.12	52	123.74
FAM13C	18.43	chr10	10q21.1	63	233.48
SPIN3	18.43	chrX	Xp11.21	44	104.96
Hs.242774	18.43	chr17	N/A	3	25.09
Hs.660971	18.43	chr17	N/A	7	82.62
Hs.545593	18.43	chr9	N/A	3	17.41
SLC12A8	18.43	chr3	3q21.2	33	131.34
LOC643669	18.43	chr19	19q13.2	16	125.21
Hs.658060	18.42	chr12	N/A	1	0.00
Hs.660778	18.42	chr9	N/A	8	88.66
THSD7B	18.42	chr2	2q22.1	36	149.73
Hs.569852	18.42	chr18	N/A	3	75.97
Hs.667785	18.42	chr16	N/A	11	46.77
ZNF705D	18.41	chr8	8p23.1	12	88.66
Hs.513403	18.41	chr16	N/A	6	70.58
DHX57	18.41	chr2	2p22.1	65	120.28
Hs.569835	18.41	chr17	N/A	10	73.85
Hs.517008	18.41	chr20	N/A	6	65.76
CCDC142	18.41	chr2	2p13.1	24	115.97
Hs.98949	18.41	chr12	N/A	3	20.96
Hs.632463	18.41	chr1	N/A	11	145.47
ZCWPW2	18.41	chr3	3p24.1	4	78.81
Hs.561319	18.40	chr4	N/A	1	0.00
PINLYP	18.40	chr19	19q13.31	23	47.31
ZNF649	18.40	chr19	19q13.41	36	99.53
LOC646976	18.40	chr1	1q25.2	5	81.29
FLJ10489	18.40	chr8	8q22.3	2	84.50

Hs.618724	18.40	chr6	N/A	3	62.78
HAO1	18.40	chr20	20p12	45	142.49
Hs.578052	18.40	chr13	N/A	3	69.08
TRIM58	18.40	chr1	1q44	75	74.34
ITK	18.40	chr5	5q31-q32	40	100.14
PCDHGB5	18.40	chr5	5q31	3	16.07
Hs.561454	18.39	chr5	N/A	9	131.57
Hs.664487	18.39	chr1	N/A	7	30.46
GLIS1	18.39	chr1	1p32.3	28	78.57
LRRC3	18.39	chr21	21q22.3	21	94.36
Hs.600688	18.39	chr3	N/A	7	72.51
LOC729887	18.39	chr16	16q23.3	25	79.95
Hs.655932	18.39	chr10	N/A	8	111.10
Hs.662314	18.38	chr20	N/A	7	83.60
ASCL2	18.38	chr11	11p15.5	34	119.62
NUTM2F	18.38	chr9	9q22.32	6	52.73
ZNF530	18.38	chr19	19q13.43	35	122.02
ASPHD1	18.38	chr16	16p11.2	32	139.21
MGC16142	18.38	chr7	7q21.2	23	222.19
Hs.533659	18.38	chr10	N/A	12	145.69
ZNF37A	18.38	chr10	10p11.2	54	98.68
Hs.385737	18.38	chr19	N/A	1	0.00
Hs.659597	18.38	chr13	N/A	8	45.61
SLC22A12	18.38	chr11	11q13.1	39	179.14
DRGX	18.38	chr10	10q11.23	3	49.48
Hs.7415	18.37	chr13	N/A	4	50.27
NMS	18.37	chr2	2q11.2	3	62.58
Hs.546144	18.37	chrX	N/A	3	44.87
Hs.538981	18.37	chr11	N/A	3	5.37
Hs.480452	18.37	chr4	N/A	8	50.96
ABCC6	18.37	chr16	16p13.1	67	105.01
Hs.664583	18.37	chr11	N/A	7	44.28
LOC100527964	18.37	chr1	N/A	18	61.74
Hs.402285	18.36	chr5	N/A	3	41.08
FAM209A	18.36	chr20	20q13.31	17	49.24
Hs.584502	18.36	chrX	N/A	3	41.72
Hs.106532	18.36	chr19	N/A	10	103.40
PAWR	18.36	chr12	12q21	58	89.01
GGT7	18.36	chr20	20q11.22	88	81.96
Hs.738413	18.35	chr5	N/A	3	77.88
Hs.547201	18.35	chr1	N/A	3	38.61
Hs.659798	18.35	chr19	N/A	1	0.00
Hs.657941	18.35	chr11	N/A	2	9.12
KCTD4	18.34	chr13	13q14.12	36	208.65
VMAC	18.34	chr19	19p13.3	15	74.91
LOXL4	18.34	chr10	10q24	30	112.27
SRRM5	18.34	chr19	19q13.31	2	15.63
Hs.659746	18.34	chr7	N/A	8	42.07
Hs.519666	18.34	chr5	N/A	1	0.00
Hs.659765	18.34	chr2	N/A	3	151.27
CYP39A1	18.34	chr6	6p21.1-p11.2	32	106.22
CDH8	18.34	chr16	16q22.1	53	123.07
HIATL2	18.34	chr9	9q22.33	1	0.00
MGAT5B	18.34	chr17	17q25.2	40	117.40
LOC100505771	18.33	chr20	N/A	13	74.56
Hs.304298	18.33	chrX	N/A	17	105.91
C11orf86	18.33	chr11	11q13.2	21	302.33
Hs.573792	18.33	chr1	N/A	4	136.05
Hs.667674	18.33	chr20	N/A	2	26.01
Hs.544482	18.33	chr6	N/A	3	64.07
Hs.566309	18.33	chr5	N/A	3	44.14
TMCC2	18.33	chr1	1q32.1	41	75.82
Hs.128325	18.32	chr8	N/A	10	112.31
CXorf24	18.32	chrX	Xp11.23	23	76.77
DTD2	18.32	chr14	14q12	49	115.22
IMPG2	18.32	chr3	3q12.2-q12.3	30	75.30

FBXL13	18.32	chr7	7q22.1	20	73.33
VNN1	18.32	chr6	6q23-q24	55	116.77
MAST1	18.31	chr19	19p13.2	36	111.29
TMPRSS13	18.31	chr11	11q23	44	132.21
FLT4	18.31	chr5	5q35.3	63	106.65
C5orf42	18.31	chr5	5p13.2	63	92.25
Hs.602232	18.31	chr16	N/A	17	131.31
KIAA1456	18.31	chr8	8p22	79	76.69
LOC100128830	18.31	chr10	10q26.3	4	36.63
Hs.118101	18.30	chr14	N/A	1	0.00
ABHD16B	18.30	chr20	20q13.33	19	71.32
DEFB119	18.30	chr20	20q11.21	41	108.12
CD1C	18.30	chr1	1q22-q23	33	129.03
Hs.283301	18.30	chr8	N/A	3	35.31
Hs.540797	18.30	chr17	N/A	3	42.24
Hs.166394	18.30	chr22	N/A	3	38.40
Hs.486398	18.30	chr6	N/A	3	28.78
LOC100129722	18.29	chr9	9q34.3	1	0.00
Hs.673214	18.29	chr15	N/A	1	0.00
OXTR	18.29	chr3	3p25	45	82.77
Hs.518695	18.29	chr4	N/A	3	31.91
Hs.544325	18.29	chr6	N/A	5	62.04
MORC2-AS1	18.29	chr22	22q12.2	40	82.17
Hs.677744	18.29	chr3	N/A	11	39.96
STXBPSL	18.29	chr3	3q13.33	35	172.56
Hs.669947	18.28	chr8	N/A	2	33.16
SV2C	18.28	chr5	5q13.3	23	157.76
ERV3-1	18.28	chr7	7q11.2	8	80.85
SMIM2	18.28	chr13	13q14.11	23	67.12
Hs.431753	18.28	chr1	N/A	2	49.07
ANO8	18.28	chr19	19p13.11	22	93.08
Hs.575127	18.28	chr4	N/A	3	32.15
Hs.103355	18.28	chr6	N/A	3	19.42
Hs.667753	18.28	chr2	N/A	14	104.53
NPY1R	18.27	chr4	4q31.3-q32	30	207.29
Hs.633180	18.27	chr2	N/A	7	132.05
Hs.561316	18.27	chr4	N/A	3	54.27
Hs.655733	18.27	chr21	N/A	8	92.58
NKX6-3	18.27	chr8	8p11.21	21	65.49
NCAM2	18.27	chr21	21q21.1	49	93.34
Hs.674525	18.27	chr3	N/A	1	0.00
Hs.540279	18.27	chr15	N/A	3	49.33
Hs.603865	18.27	chr10	N/A	7	62.55
Hs.601822	18.27	chr21	N/A	3	32.99
Hs.333703	18.27	chr6	N/A	3	43.92
OR7C1	18.26	chr19	19p13.1	8	142.43
ZNF208	18.26	chr19	19p12	40	104.34
C4orf33	18.26	chr4	4q28.2	21	104.35
PLS1	18.26	chr3	3q23	35	119.01
TCP11L2	18.26	chr12	12q23.3	36	64.27
CHST8	18.26	chr19	19q13.1	31	68.90
C9orf85	18.26	chr9	9q21.13	39	66.20
Hs.543172	18.25	chr3	N/A	10	43.32
KRT38	18.25	chr17	17q12-q21	31	100.39
Hs.659408	18.25	chr10	N/A	3	102.29
Hs.598771	18.25	chr3	N/A	6	50.14
Hs.334066	18.25	chr5	N/A	4	78.25
Hs.552324	18.25	chr10	N/A	3	50.50
Hs.561717	18.25	chr7	N/A	3	59.09
Hs.574401	18.25	chr17	N/A	3	50.47
ACSM5	18.25	chr16	16p12.3	73	198.44
MZB1	18.25	chr5	5q31.2	32	89.31
DCAF4L2	18.25	chr8	8q21.3	20	144.50
Hs.677063	18.25	chr10	N/A	1	0.00
GTSE1-AS1	18.24	chr22	22q13.31	1	0.00
Hs.594464	18.24	chr9	N/A	7	89.14

Hs.593532	18.24	chr8	N/A	14	88.07
Hs.412408	18.24	chr19	N/A	3	70.74
Hs.655462	18.24	chr7	N/A	21	84.16
FSTL5	18.24	chr4	4q32.3	30	173.79
Hs.633490	18.23	chr8	N/A	1	0.00
Hs.600550	18.23	chr7	N/A	7	76.60
Hs.696333	18.23	chr2	N/A	10	45.71
NEK10	18.23	chr3	3p24.1	25	93.63
Hs.538934	18.23	chr11	N/A	3	23.29
LINC00948	18.23	chr10	N/A	8	77.75
Hs.721349	18.23	chr6	N/A	3	71.44
Hs.582102	18.23	chrY	N/A	3	33.28
CHRNA6	18.23	chr8	8p11.21	23	98.52
Hs.540592	18.23	chr16	N/A	3	18.12
Hs.563816	18.22	chr1	N/A	3	14.62
HOXB4	18.22	chr17	17q21.32	34	47.88
Hs.570403	18.22	chr21	N/A	3	36.74
HIST1H4B	18.22	chr6	6p22.1	30	64.70
MCM3AP-AS1	18.22	chr21	21q22.3	40	74.79
Hs.539249	18.22	chr12	N/A	3	78.59
GJA5	18.22	chr1	1q21.1	41	96.34
PLD4	18.22	chr14	14q32.33	28	78.95
PRAMEF3	18.22	chr1	1p36.21	10	199.06
CCKAR	18.22	chr4	4p15.1-p15.2	28	77.66
EPHA6	18.21	chr3	3q11.2	37	180.29
Hs.675461	18.21	chr19	N/A	2	114.27
ATP11C	18.21	chrX	Xq27.1	50	137.05
OR5A2	18.21	chr11	11q12.1	8	128.30
AGXT2	18.21	chr5	5p13	52	258.09
Hs.546105	18.21	chrX	N/A	3	82.36
PCDHB12	18.21	chr5	5q31	31	74.22
Hs.23789	18.21	chr13	N/A	3	15.75
B3GNTL1	18.21	chr17	17q25.3	35	87.62
Hs.664532	18.21	chr6	N/A	7	69.12
Hs.566842	18.21	chr8	N/A	3	80.91
FBXL2	18.21	chr3	3p22.3	35	74.52
Hs.543635	18.20	chr4	N/A	3	51.26
ORM2	18.20	chr9	9q32	28	83.76
Hs.600492	18.20	chr12	N/A	7	67.78
Hs.673171	18.20	chr14	N/A	11	53.46
KCNH8	18.20	chr3	3p24.3	26	134.12
HTR4	18.20	chr5	5q31-q33	56	97.22
Hs.733205	18.20	chr9	N/A	7	29.26
Hs.569298	18.20	chr13	N/A	5	87.63
Hs.736182	18.20	chr1	N/A	1	0.00
KLRC2	18.20	chr12	12p13	44	111.28
Hs.537944	18.20	chr1	N/A	3	12.75
Hs.580958	18.20	chr22	N/A	3	17.88
Hs.667041	18.20	chr8	N/A	1	0.00
Hs.659064	18.19	chr2	N/A	7	58.85
CSAG1	18.19	chrX	Xq28	19	66.61
FLJ42258	18.19	chr11	11q13.2	6	67.92
Hs.606581	18.19	chr19	N/A	12	39.55
Hs.596739	18.19	chr2	N/A	7	42.45
Hs.541877	18.19	chr2	N/A	2	12.03
LOC100287704	18.19	chr7	7q11.21	12	43.66
TAS1R2	18.19	chr1	1p36.13	19	106.90
KIAA0408	18.19	chr6	6q22.33	5	54.08
CCDC33	18.19	chr15	15q24.1	12	97.43
Hs.131656	18.19	chr19	N/A	3	83.24
Hs.667354	18.19	chr14	N/A	3	20.91
Hs.352254	18.18	chr2	N/A	4	48.87
Hs.601587	18.18	chr4	N/A	7	47.47
Hs.633910	18.18	chr22	N/A	4	80.59
Hs.563827	18.18	chr1	N/A	3	81.76
PARD3B	18.18	chr2	2q33.3	89	125.37

CEP135	18.18	chr4	4q12	55	81.14
CNNM2	18.18	chr10	10q24.32	79	123.04
Hs.538428	18.18	chr10	N/A	3	73.60
TANC2	18.18	chr17	17q23.3	89	192.23
Hs.659750	18.18	chr11	N/A	7	63.37
Hs.116608	18.17	chr17	N/A	7	73.64
LNX1	18.17	chr4	4q12	30	139.60
TTR	18.17	chr18	18q12.1	44	111.51
Hs.14514	18.17	chr14	N/A	3	67.24
Hs.690165	18.17	chr16	N/A	5	112.67
GLB1L	18.17	chr2	2q35	33	73.55
C3orf33	18.17	chr3	3q25.31	19	62.66
Hs.23554	18.17	chr12	N/A	36	97.38
Hs.147610	18.17	chr2	N/A	6	82.63
Hs.599002	18.17	chr3	N/A	7	82.87
Hs.656257	18.17	chr5	N/A	8	92.59
Hs.667417	18.16	chr6	N/A	3	35.15
ZNF276	18.16	chr16	16q24.3	32	60.49
RIBC1	18.16	chrX	Xp11.22	36	105.82
KLK7	18.16	chr19	19q13.41	37	82.49
KCNJ3	18.16	chr2	2q24.1	43	83.17
Hs.633830	18.16	chr8	N/A	8	55.67
Hs.560418	18.16	chr16	N/A	10	100.53
Hs.659900	18.16	chr2	N/A	3	97.62
Hs.520420	18.15	chr6	N/A	3	59.87
TCHH	18.15	chr1	1q21.3	27	74.51
Hs.565493	18.15	chr2	N/A	3	57.92
Hs.566328	18.15	chr5	N/A	3	28.55
Hs.211737	18.15	chr3	N/A	3	32.31
Hs.565452	18.15	chr2	N/A	3	42.98
ECE2	18.15	chr3	.	75	82.90
RTKN2	18.15	chr10	10q21.2	47	171.40
Hs.544745	18.15	chr6	N/A	3	89.11
Hs.385604	18.15	chr20	N/A	4	76.48
Hs.495641	18.15	chrX	N/A	3	28.65
Hs.657399	18.15	chr14	N/A	9	77.13
Hs.658327	18.14	chr6	N/A	1	0.00
Hs.546112	18.14	chrX	N/A	10	64.02
HMMR	18.14	chr5	5q33.2-qter	46	93.91
TOX	18.14	chr8	8q12.1	66	230.27
Hs.143252	18.14	chr11	N/A	2	11.59
Hs.600391	18.14	chr19	N/A	2	94.24
MGC24103	18.14	chr9	9p22.3	14	134.04
TMEM108	18.13	chr3	3q21	77	108.34
Hs.582055	18.13	chr4	N/A	3	58.06
IQCG	18.13	chr3	3q29	32	106.29
GTF3C4	18.13	chr9	9q34.13	38	80.50
LOC284788	18.13	chr20	20p11.21	4	65.26
Hs.617723	18.13	chr4	N/A	9	125.30
Hs.563985	18.13	chr1	N/A	3	56.96
Hs.634209	18.13	chr7	N/A	1	0.00
Hs.663746	18.13	chr10	N/A	7	83.96
Hs.125533	18.13	chr5	N/A	10	97.44
CLCN2	18.12	chr3	3q27-q28	33	114.13
Hs.657059	18.12	chr5	N/A	7	52.32
NRIP2	18.12	chr12	12p13.33	31	69.17
TEP1	18.12	chr14	14q11.2	34	103.40
Hs.675438	18.12	chr2	N/A	1	0.00
Hs.567162	18.12	chrX	N/A	18	71.85
MKS1	18.12	chr17	17q22	49	87.77
FHAD1	18.12	chr1	1p36.21	32	270.38
Hs.705563	18.11	chr10	N/A	6	89.37
OTUD7B	18.11	chr1	1q21.2	46	133.06
Hs.568955	18.11	chr11	N/A	3	12.83
Hs.656015	18.11	chr19	N/A	14	62.99
Hs.720121	18.11	chr2	N/A	7	54.50

Hs.684541	18.11	chr8	N/A	1	0.00
Hs.98601	18.11	chr1	N/A	3	50.71
GPR45	18.10	chr2	2q11.1-q12	23	67.84
Hs.566599	18.10	chr6	N/A	3	62.95
Hs.438663	18.10	chr5	N/A	3	40.28
Hs.87950	18.10	chr2	N/A	4	61.37
Hs.373355	18.10	chr20	N/A	3	37.43
RMST	18.10	chr12	12q21	17	107.05
KCND2	18.10	chr7	7q31	40	162.13
Hs.595343	18.10	chr11	N/A	8	60.52
Hs.733909	18.10	chr20	N/A	2	108.06
Hs.386215	18.10	chr10	N/A	1	0.00
FAM167B	18.10	chr1	1p35.1	26	49.47
FLVCR1-AS1	18.10	chr1	1q32.3	18	45.03
KCNMA1	18.10	chr10	10q22.3	114	134.98
Hs.573131	18.10	chr4	N/A	11	63.32
CD5L	18.10	chr1	1q21-q23	35	142.99
ZNF483	18.09	chr9	9q31.3	39	115.59
Hs.660048	18.09	chr17	N/A	3	107.08
OR2F1	18.09	chr7	7q35	30	86.78
GPRC5A	18.09	chr12	12p13-p12.3	45	133.60
Hs.595385	18.09	chr5	N/A	8	136.12
LOC100128651	18.09	chr4	4p16.1	3	16.98
Hs.596605	18.08	chr7	N/A	7	86.20
Hs.720594	18.08	chr10	N/A	1	0.00
MIR210HG	18.08	chr11	11p15.5	21	62.95
Hs.658625	18.08	chr20	N/A	1	0.00
F2	18.08	chr11	11p11	62	107.49
Hs.657945	18.08	chr15	N/A	7	95.37
Hs.544522	18.08	chr6	N/A	3	68.52
Hs.607712	18.08	chr6	N/A	3	49.14
HIST1H2BG	18.08	chr6	6p21.3	26	79.43
Hs.660657	18.07	chr2	N/A	1	0.00
Hs.629216	18.07	chr18	N/A	3	77.13
Hs.543077	18.07	chr3	N/A	3	67.58
Hs.586884	18.07	chr15	N/A	3	90.06
Hs.155775	18.07	chr2	N/A	4	44.25
Hs.604237	18.07	chr4	N/A	2	5.55
C2orf62	18.07	chr2	2q35	10	117.92
EVC	18.07	chr4	4p16	40	108.79
Hs.145985	18.07	chr19	N/A	3	42.21
ZMAT4	18.07	chr8	8p11.21	18	112.88
DHRS13	18.07	chr17	17q11.2	36	102.14
Hs.678095	18.07	chr7	N/A	5	82.21
Hs.562946	18.06	chr2	N/A	8	16.73
RLBP1	18.06	chr15	15q26	32	129.35
LOC731424	18.06	chr4	N/A	1	0.00
Hs.576017	18.06	chr1	N/A	3	32.86
KCNG1	18.06	chr20	20q13	51	69.94
LY6H	18.06	chr8	8q24.3	37	92.77
Hs.677323	18.06	chr2	N/A	2	67.45
C1orf173	18.06	chr1	1p31.1	46	169.73
POU4F2	18.06	chr4	4q31.2	23	74.13
Hs.582902	18.06	chr6	N/A	3	63.71
Hs.716702	18.06	chr10	N/A	10	72.40
Hs.734553	18.06	chr1	N/A	1	0.00
Hs.530149	18.05	chr8	N/A	3	58.12
Hs.538525	18.05	chr10	N/A	3	71.74
Hs.232534	18.05	chr1	N/A	12	180.22
FCGR1B	18.05	chr1	1p11.2	21	64.47
PSG9	18.05	chr19	19q13.2	43	140.98
SPRR2G	18.05	chr1	1q21-q22	21	61.95
Hs.580537	18.05	chr2	N/A	3	29.37
TSNAXIP1	18.05	chr16	16q22.1	21	125.33
BAIAP2-AS1	18.04	chr17	17q25.3	28	185.59
Hs.694963	18.04	chr8	N/A	3	23.98

Hs.201430	18.04	chr6	N/A	7	50.12
DISP2	18.04	chr15	15q15.1	24	62.97
SLC22A7	18.04	chr6	6p21.1	66	130.10
Hs.213088	18.04	chr7	N/A	7	77.82
Hs.542423	18.04	chr20	N/A	7	120.28
Hs.127016	18.04	chr14	N/A	5	56.09
Hs.673353	18.03	chr3	N/A	1	0.00
SPDYE3	18.03	chr7	7q22.1	124	111.92
Hs.561057	18.03	chr22	N/A	3	83.31
GGACT	18.03	chr13	13q32.3	35	171.76
LRRC25	18.03	chr19	19p13.11	22	62.22
RAB30	18.02	chr11	11q12-q14	41	85.92
Hs.162891	18.02	chrX	N/A	3	50.17
Hs.565338	18.02	chr2	N/A	3	100.36
Hs.550408	18.02	chr2	N/A	3	73.82
Hs.662952	18.02	chr3	N/A	7	73.29
Hs.635948	18.02	chr20	N/A	1	0.00
Hs.545070	18.02	chr7	N/A	3	48.16
Hs.553096	18.02	chr5	N/A	3	59.77
Hs.430851	18.02	chr19	N/A	7	83.92
CGN	18.01	chr1	1q21	44	105.11
ERBB3	18.01	chr12	12q13	95	95.86
Hs.664458	18.01	chr15	N/A	7	120.60
Hs.517043	18.01	chr20	N/A	3	65.93
FBXL6	18.01	chr8	8q24.3	39	92.91
Hs.732913	18.01	chr16	N/A	2	16.74
Hs.135536	18.01	chrX	N/A	10	76.96
GDA	18.00	chr9	9q21.13	56	173.06
Hs.633885	18.00	chr6	N/A	20	108.56
Hs.734022	18.00	chr8	N/A	2	91.74
P2RX3	18.00	chr11	11q12	31	85.56
ARMC4	18.00	chr10	10p12.1-p11.23	48	125.40
VTI1A	18.00	chr10	10q25.2	65	132.64
TENM3	18.00	chr4	4q35.1	100	149.67
PIK3AP1	18.00	chr10	10q24.1	25	124.39
NBR2	17.99	chr17	17q21	84	115.22
Hs.565662	17.99	chr20	N/A	3	49.65
MYLK2	17.99	chr20	20q13.31	19	104.42
Hs.595341	17.99	chr5	N/A	7	35.36
Hs.597376	17.99	chr2	N/A	18	174.21
Hs.565815	17.99	chr22	N/A	3	52.73
ATP6V1B1	17.99	chr2	2p13.1	55	128.11
Hs.660285	17.99	chr7	N/A	21	141.36
POTEM	17.98	chr14	14q11.2	6	63.55
GPR126	17.98	chr6	6q24.1	79	114.24
KIAA1024L	17.98	chr5	5q23.3	5	46.50
Hs.670757	17.98	chr1	N/A	1	0.00
Hs.673033	17.98	chr11	N/A	1	0.00
LOC388849	17.98	chr22	22q11.21	6	82.85
PSG8	17.98	chr19	19q13.2	30	122.73
Hs.636229	17.98	chr11	N/A	3	58.14
DPYSL5	17.97	chr2	2p23.3	58	106.13
IL11	17.97	chr19	19q13.3-q13.4	35	199.96
KRT7	17.97	chr12	12q13.13	39	128.11
Hs.662093	17.97	chr12	N/A	7	37.98
Hs.577625	17.97	chr12	N/A	3	50.17
CCIN	17.97	chr9	9p13.3	30	67.27
Hs.513529	17.97	chr16	N/A	8	94.49
Hs.576501	17.97	chr1	N/A	3	94.26
Hs.677185	17.96	chr22	N/A	1	0.00
Hs.532139	17.96	chr6	N/A	3	15.34
Hs.538834	17.96	chr11	N/A	3	28.77
C2orf73	17.96	chr2	2p16.2	26	260.81
Hs.528653	17.96	chr14	N/A	2	66.05
Hs.578610	17.96	chr15	N/A	7	89.27
Hs.732235	17.96	chr4	N/A	7	125.83

Hs.543841	17.96	chr5	N/A	3	47.27
Hs.583347	17.96	chr7	N/A	3	71.43
GDF3	17.96	chr12	12p13.1	26	141.76
ETNK2	17.96	chr1	1q32.1	38	152.93
HAPLN2	17.96	chr1	1q23.1	21	74.72
Hs.603585	17.95	chr20	N/A	2	11.19
Hs.97696	17.95	chr2	N/A	3	97.78
ERCC6L2	17.95	chr9	9q22.32	86	86.05
CDKN2B	17.95	chr9	9p21	50	245.69
MAMDC4	17.95	chr9	9q34.3	19	46.32
Hs.611370	17.95	chr9	N/A	1	0.00
CSMD2	17.95	chr1	1p34.3	55	139.14
Hs.664434	17.94	chrY	N/A	5	112.31
Hs.607096	17.94	chr4	N/A	1	0.00
CHEK2	17.94	chr22	22q12.1	36	64.43
Hs.336510	17.94	chr8	N/A	3	87.69
Hs.586384	17.94	chr8	N/A	1	0.00
Hs.530753	17.94	chr11	N/A	14	77.29
Hs.682164	17.94	chr7	N/A	1	0.00
Hs.659294	17.94	chr4	N/A	8	44.45
Hs.665779	17.94	chr13	N/A	1	0.00
Hs.559948	17.94	chr11	N/A	3	47.16
Hs.657905	17.93	chr20	N/A	1	0.00
Hs.552064	17.93	chr4	N/A	3	48.36
Hs.722249	17.93	chr1	N/A	7	112.30
PBLD	17.93	chr10	10q21.3	73	61.53
Hs.152460	17.93	chr8	N/A	11	40.57
ZNF790-AS1	17.93	chr19	19q13.13	16	61.38
GZMK	17.93	chr5	5q11.2	30	92.43
Hs.575887	17.93	chr1	N/A	10	149.29
TCF19	17.93	chr6	6p21.3	42	136.21
Hs.559357	17.92	chr21	N/A	14	100.04
KCNB1	17.92	chr20	20q13.2	30	93.90
Hs.153248	17.92	chr7	N/A	4	78.10
Hs.738370	17.92	chr1	N/A	3	58.45
Hs.667035	17.92	chr7	N/A	1	0.00
Hs.634295	17.92	chr7	N/A	7	92.47
SULT1E1	17.92	chr4	4q13.1	35	128.82
Hs.564582	17.92	chr13	N/A	3	42.55
Hs.669850	17.91	chr14	N/A	1	0.00
PDZK1	17.91	chr1	1q21	32	179.89
Hs.545818	17.91	chr9	N/A	10	26.76
SLC47A2	17.91	chr17	17p11.2	19	148.57
Hs.336593	17.91	chr19	N/A	3	40.43
PCDHA@	17.91	chr5	5q31	266	388.91
Hs.735309	17.91	chr6	N/A	1	0.00
Hs.566103	17.91	chr4	N/A	3	39.43
GPC6	17.91	chr13	13q32	65	116.82
NLGN1	17.91	chr3	3q26.31	46	88.16
PCP2	17.91	chr19	19p13.2	21	60.24
ZFP82	17.90	chr19	19q13.12	35	97.57
ADCY7	17.90	chr16	16q12.1	38	79.72
Hs.734076	17.90	chr15	N/A	3	16.41
Hs.731003	17.90	chr4	N/A	3	100.88
Hs.740705	17.90	chr19	N/A	7	57.93
Hs.562128	17.90	chr1	N/A	3	33.95
KIAA1586	17.90	chr6	6p12.1	43	128.38
LOC644390	17.90	chr15	15q14	3	60.22
PNMA2	17.90	chr8	8p21.2	45	150.67
Hs.351878	17.89	chr16	N/A	3	29.31
Hs.659038	17.89	chr20	N/A	2	23.59
Hs.652732	17.89	chr8	N/A	3	64.91
Hs.600876	17.89	chr17	N/A	22	108.12
FAM181B	17.89	chr11	11q14.1	31	101.48
LYK	17.89	chr15	15q15.1-q21.1	40	87.28
Hs.672595	17.89	chr3	N/A	1	0.00

RFPL3	17.89	chr22	22q12.3	23	160.03
PROM2	17.89	chr2	2q11.1	28	68.44
TMEM52	17.88	chr1	1p36.33	18	48.35
Hs.719273	17.88	chr5	N/A	24	88.80
Hs.545418	17.88	chr8	N/A	12	74.21
AGAP10	17.88	chr10	10q11.22	1	0.00
DDX11L5	17.88	chr9	9p24.3	8	21.37
MMD2	17.88	chr7	7p22.1	27	231.83
Hs.732656	17.88	chr13	N/A	8	65.17
Hs.46730	17.88	chr4	N/A	8	79.56
LOC100507484	17.88	chr12	N/A	5	74.47
ACTRT3	17.88	chr3	3q26.2	26	183.96
Hs.665034	17.88	chr12	N/A	1	0.00
FLJ45832	17.88	chr20	20q11.1	3	61.85
OR4C46	17.88	chr11	11p11.12	13	58.51
Hs.542089	17.87	chr2	N/A	10	49.41
Hs.738138	17.87	chr3	N/A	3	24.08
Hs.538106	17.87	chr1	N/A	3	48.39
C2orf66	17.86	chr2	2q33.1	16	60.12
DOC2B	17.86	chr17	17p13.3	30	101.72
Hs.571032	17.86	chr6	N/A	4	81.96
LOC100268168	17.86	chr5	5q35.1	3	66.97
Hs.529542	17.86	chr3	N/A	4	23.84
RHOU	17.86	chr1	1q42.11-q42.3	28	41.29
LURAP1L	17.86	chr9	9p23	33	67.73
Hs.565004	17.86	chr17	N/A	3	76.71
TLR2	17.86	chr4	4q32	41	66.74
Hs.635263	17.86	chr2	N/A	7	96.88
Hs.297320	17.86	chr11	N/A	3	46.61
Hs.599356	17.86	chr18	N/A	7	43.54
Hs.402943	17.86	chr6	N/A	3	53.32
Hs.547341	17.86	chr11	N/A	3	116.43
PGLYRP2	17.85	chr19	19p13.12	19	181.19
Hs.566199	17.85	chr4	N/A	3	67.92
Hs.560133	17.85	chr13	N/A	3	47.14
Hs.583149	17.85	chr7	N/A	3	77.31
MAP3K8	17.85	chr10	10p11.23	25	100.45
MAP3K7CL	17.85	chr21	21q22.3	28	95.42
Hs.662429	17.85	chr15	N/A	1	0.00
TGFA	17.85	chr2	2p13	53	93.59
Hs.734403	17.85	chr12	N/A	7	55.59
Hs.557950	17.85	chr11	N/A	3	25.61
KLK11	17.84	chr19	19q13.33	33	108.75
HHAT	17.84	chr1	1q32	30	48.28
Hs.538375	17.84	chr10	N/A	3	29.68
Hs.578031	17.84	chr13	N/A	3	52.19
Hs.58612	17.84	chr10	N/A	8	41.41
CACNG6	17.84	chr19	19q13.4	26	173.79
Hs.157621	17.84	chr2	N/A	4	40.60
LOC100505851	17.84	chr19	N/A	12	43.74
CDC7	17.84	chr1	1p22	30	43.76
LZTS1	17.84	chr8	8p22	67	109.86
Hs.606935	17.84	chr2	N/A	10	37.26
PMS2	17.84	chr7	7p22.2	104	82.19
ADAMTS16	17.84	chr5	5p15	38	151.65
MYRFL	17.83	chr12	12q15	17	71.83
Hs.664776	17.83	chr6	N/A	7	83.88
ILF3-AS1	17.83	chr19	19p13.2	10	177.09
Hs.212257	17.83	chr21	N/A	3	44.08
MMP10	17.83	chr11	11q22.3	30	124.62
Hs.636203	17.83	chr11	N/A	6	64.58
Hs.402378	17.83	chr3	N/A	3	77.56
Hs.544401	17.83	chr6	N/A	3	80.23
LOC100506821	17.82	chr18	N/A	1	0.00
SPC25	17.82	chr2	2q31.1	30	184.96
Hs.545311	17.82	chr3	N/A	14	80.86

Hs.552741	17.82	chr21	N/A	3	24.40
KCNK13	17.82	chr14	14q32.11	21	77.21
Hs.658642	17.82	chr9	N/A	8	74.92
Hs.687687	17.82	chr8	N/A	8	79.69
LOC440173	17.82	chr9	9q21	11	122.80
Hs.666613	17.82	chr2	N/A	3	65.91
Hs.585568	17.82	chr12	N/A	3	42.38
CADM4	17.82	chr19	19q13.31	55	170.88
CYP3A4	17.82	chr7	7q21.1	57	131.05
Hs.539813	17.82	chr13	N/A	7	73.41
Hs.700137	17.82	chr20	N/A	11	127.80
Hs.741536	17.81	chr8	N/A	7	85.02
NOX4	17.81	chr11	11q14.2-q21	51	114.96
Hs.666464	17.81	chr18	N/A	7	119.64
Hs.580118	17.81	chr2	N/A	3	28.30
NUDT12	17.81	chr5	5q21.2	30	62.15
Hs.733087	17.81	chr15	N/A	7	95.43
Hs.649272	17.81	chr7	N/A	8	54.98
Hs.571455	17.81	chr8	N/A	3	38.44
Hs.729743	17.81	chrY	N/A	3	76.26
BAI1	17.80	chr8	8q24.3	39	82.58
Hs.561472	17.80	chr5	N/A	3	63.90
CXXC11	17.80	chr2	2q37.3	19	53.16
KIF14	17.80	chr1	1q32.1	28	107.96
Hs.630709	17.79	chr2	N/A	1	0.00
RBL1	17.79	chr20	20q11.2	59	181.15
Hs.130793	17.79	chr4	N/A	3	48.33
LOC100506548	17.79	chr5	N/A	18	145.08
ZCCHC6	17.79	chr9	9q21	73	65.34
C1QL2	17.79	chr2	2q14.2	25	131.07
KIRREL3	17.79	chr11	11q24	58	129.13
Hs.518117	17.79	chr3	N/A	3	43.18
Hs.599991	17.79	chr1	N/A	7	75.88
Hs.146250	17.79	chr5	N/A	11	114.47
RMDN2	17.78	chr2	2p22.2	44	57.14
HRK	17.78	chr12	12q24.22	49	89.44
CENPN	17.78	chr16	16q23.2	96	81.30
TEX41	17.78	chr2	2q22.3	4	27.54
Hs.541548	17.78	chr2	N/A	3	69.48
PCDHA2	17.78	chr5	5q31	6	35.97
FLJ16423	17.78	chrX	Xq28	7	56.12
BTBD19	17.78	chr1	1p34.1	30	90.55
Hs.554024	17.78	chr1	N/A	1	0.00
Hs.639956	17.78	chr9	N/A	3	105.48
C11orf63	17.78	chr11	11q24.1	53	221.98
GABRR2	17.78	chr6	6q15	22	134.89
OR52R1	17.78	chr11	11p15.4	6	58.28
Hs.653522	17.77	chr15	N/A	15	95.36
LRRC72	17.77	chr7	7p21.1	8	90.38
Hs.657182	17.77	chr16	N/A	8	58.97
Hs.385516	17.77	chr10	N/A	4	59.96
Hs.132394	17.77	chr9	N/A	7	94.10
Hs.592276	17.77	chr7	N/A	10	45.45
OR10H4	17.77	chr19	19p13.12	18	72.34
Hs.655446	17.77	chr11	N/A	7	79.67
RGR	17.77	chr10	10q23	48	92.08
TMEM194B	17.77	chr2	2q32.2	18	74.26
HRH3	17.76	chr20	20q13.33	38	97.12
Hs.666308	17.76	chr12	N/A	14	76.93
GRAP	17.76	chr17	17p11.2	68	121.52
GPR173	17.76	chrX	Xp11	40	75.72
Hs.736319	17.76	chr11	N/A	3	40.55
Hs.571244	17.76	chr7	N/A	3	53.44
ZNF420	17.76	chr19	19q13.12	34	104.08
Hs.542578	17.76	chr21	N/A	3	67.02
Hs.537920	17.76	chr1	N/A	3	47.02

SLC25A18	17.76	chr22	22q11.2	24	95.23
FAM228A	17.76	chr2	2p23.3	29	149.97
Hs.674397	17.76	chr7	N/A	10	38.13
Hs.662758	17.76	chr9	N/A	8	176.05
Hs.574774	17.75	chr2	N/A	3	88.89
Hs.578016	17.75	chr13	N/A	3	43.06
Hs.657386	17.75	chr17	N/A	12	85.19
Hs.302412	17.75	chr8	N/A	3	44.57
OR5M3	17.75	chr11	11q12.1	3	120.06
MYO1G	17.75	chr7	7p13-p11.2	47	98.14
Hs.658392	17.75	chrX	N/A	8	42.96
ZNF711	17.75	chrX	Xq21.1	54	308.95
Hs.597962	17.75	chr8	N/A	4	56.49
UPK1B	17.75	chr3	3q13.32	33	113.30
Hs.667446	17.75	chr7	N/A	3	97.66
HSD3B2	17.74	chr1	1p13.1	23	78.14
Hs.131976	17.74	chr21	N/A	7	34.71
Hs.545687	17.74	chr9	N/A	3	41.71
MYBPH	17.74	chr1	1q32.1	30	95.51
FUT7	17.74	chr9	9q34.3	28	96.18
Hs.648805	17.74	chr6	N/A	4	101.58
Hs.707262	17.74	chr15	N/A	7	46.86
KLK12	17.74	chr19	19q13.33	26	129.46
Hs.552013	17.74	chr2	N/A	3	67.30
Hs.444703	17.74	chr9	N/A	3	35.17
ADH6	17.74	chr4	4q23	76	105.31
MCF2	17.74	chrX	Xq27	60	113.53
LOC100506069	17.73	chr20	N/A	3	18.14
ADAD1	17.73	chr4	4q27	27	72.76
B4GALNT1	17.73	chr12	12q13.3	41	79.32
Hs.566163	17.73	chr4	N/A	3	26.37
FLJ30064	17.73	chr7	7q21.3	20	64.48
Hs.99436	17.73	chr9	N/A	7	50.65
TTY1	17.73	chrY	Yp11.2	20	109.74
HECTD2	17.73	chr10	10q23.32	47	70.38
DNHD1	17.73	chr11	11p15.4	103	117.45
FLRT1	17.73	chr11	11q12-q13	27	83.46
SERPINB10	17.73	chr18	18q21.3	25	166.75
Hs.649351	17.72	chr14	N/A	3	73.89
Hs.636656	17.72	chr8	N/A	4	130.85
Hs.148458	17.72	chr3	N/A	2	117.31
Hs.678840	17.72	chr12	N/A	1	0.00
Hs.583388	17.72	chr7	N/A	3	48.97
Hs.572495	17.72	chr17	N/A	16	102.68
Hs.564054	17.72	chr10	N/A	3	54.82
ABL2	17.72	chr1	1q25.2	59	99.66
Hs.577438	17.71	chr12	N/A	3	67.30
Hs.666237	17.71	chr15	N/A	2	22.90
METTL8	17.71	chr2	2q31.1	33	88.66
Hs.578149	17.71	chr14	N/A	3	56.42
Hs.652649	17.71	chr10	N/A	2	82.17
LINC00563	17.71	chr13	13q14.13	17	76.29
Hs.544141	17.71	chr5	N/A	3	42.58
CA7	17.71	chr16	16q22.1	32	130.49
Hs.404304	17.70	chr2	N/A	1	0.00
Hs.562528	17.70	chr14	N/A	10	46.15
Hs.543909	17.70	chr5	N/A	3	33.37
CDCP2	17.70	chr1	1p32.3	15	157.78
Hs.570347	17.70	chr20	N/A	3	52.93
TRPC6	17.70	chr11	11q22.1	35	125.13
Hs.374945	17.70	chr19	N/A	8	73.98
Hs.636180	17.70	chr10	N/A	8	42.04
LOC100507630	17.70	chr2	N/A	15	230.89
Hs.202144	17.70	chr11	N/A	3	64.58
MUSK	17.70	chr9	9q31.3-q32	48	105.60
Hs.734710	17.70	chr5	N/A	3	7.11

Hs.659308	17.69	chr12	N/A	7	34.94
OLAH	17.69	chr10	10p13	30	163.69
CELF2-AS1	17.69	chr10	10p14	4	82.36
Hs.88651	17.69	chr8	N/A	8	79.47
Hs.729213	17.69	chr1	N/A	28	60.18
Hs.719936	17.69	chrX	N/A	8	51.69
CNNM1	17.69	chr10	10q24.2	28	110.62
ART5	17.69	chr11	11p15.4	22	52.18
Hs.540071	17.69	chr14	N/A	10	100.46
FOXD2-AS1	17.69	chr1	1p33	15	108.40
Hs.733955	17.69	chr3	N/A	7	94.26
SLC24A3	17.69	chr20	20p13	35	73.22
Hs.545726	17.69	chr9	N/A	10	82.04
Hs.731790	17.68	chr11	N/A	1	0.00
ZNF469	17.68	chr16	16q24	24	63.47
HPGDS	17.68	chr4	4q22.3	30	64.07
ZNF460	17.68	chr19	19q13.4	28	88.39
RGS14	17.68	chr5	5q35.3	48	113.88
Hs.369680	17.68	chr17	N/A	14	120.39
Hs.732942	17.68	chr14	N/A	1	0.00
TRIML2	17.68	chr4	4q35.2	19	68.44
SHC4	17.68	chr15	15q21.1-q21.2	35	92.38
Hs.232517	17.68	chrX	N/A	3	11.79
CEP112	17.68	chr17	17q24.1	59	60.82
GAGE12F	17.67	chrX	Xp11.23	32	145.40
Hs.657158	17.67	chr12	N/A	1	0.00
Hs.133338	17.67	chr16	N/A	10	89.58
Hs.668098	17.67	chr7	N/A	2	70.14
Hs.540556	17.67	chr16	N/A	3	89.15
Hs.545352	17.67	chr8	N/A	10	68.81
Hs.610605	17.67	chr15	N/A	1	0.00
Hs.666562	17.67	chr6	N/A	7	86.85
Hs.551119	17.67	chr8	N/A	3	55.50
Hs.385477	17.67	chr14	N/A	4	71.74
Hs.539802	17.67	chr13	N/A	3	71.78
SPTLC3	17.67	chr20	20p12.1	61	103.17
Hs.539252	17.66	chr12	N/A	10	84.18
SRC	17.66	chr20	20q12-q13	77	104.07
KIAA1549	17.66	chr7	7q34	51	87.52
Hs.696110	17.66	chr15	N/A	7	91.75
Hs.675850	17.66	chr12	N/A	10	45.75
Hs.543777	17.66	chr5	N/A	3	94.71
Hs.661767	17.66	chr12	N/A	4	45.39
Hs.531806	17.66	chr2	N/A	3	59.70
OR1F2P	17.66	chr16	16p13.3	28	58.88
Hs.660263	17.65	chr11	N/A	9	181.10
Hs.632997	17.65	chr12	N/A	14	105.00
SATL1	17.65	chrX	Xq21.1	5	110.61
Hs.547704	17.65	chr5	N/A	3	71.74
LOC100506895	17.65	chr7	N/A	1	0.00
Hs.661595	17.64	chr3	N/A	1	0.00
BPIFB4	17.64	chr20	20q11.21	24	219.66
Hs.677739	17.64	chr7	N/A	8	63.21
Hs.576207	17.63	chr1	N/A	3	65.86
RSPH1	17.63	chr21	21q22.3	26	100.95
Hs.732569	17.63	chr21	N/A	3	55.99
CTAG1B	17.63	chrX	Xq28	6	95.44
Hs.652442	17.62	chr9	N/A	7	56.19
Hs.678315	17.62	chr10	N/A	1	0.00
Hs.662815	17.62	chr18	N/A	1	0.00
Hs.732777	17.62	chr1	N/A	2	37.20
Hs.65927	17.62	chr8	N/A	3	64.36
SCIMP	17.62	chr17	17p13.2	35	153.13
EPHA10	17.62	chr1	1p34.3	43	95.23
MKRN3	17.62	chr15	15q11-q13	30	138.42
EFHC1	17.62	chr6	6p12.3	61	105.84

HIST1H2BB	17.61	chr6	6p21.3	21	79.84
GABRA2	17.61	chr4	4p12	58	201.14
Hs.723524	17.61	chr20	N/A	11	41.30
PLA2G2F	17.61	chr1	1p35	31	216.92
CLMN	17.61	chr14	14q32.13	61	87.29
OR4N2	17.61	chr14	14q11.2	3	70.02
ZDHC12	17.61	chr9	9q34.11	23	109.67
Hs.213722	17.61	chr4	N/A	4	27.38
KRTAP8-1	17.61	chr21	21q22.1	20	47.97
Hs.666516	17.61	chr17	N/A	8	92.45
Hs.603199	17.60	chr21	N/A	2	43.18
Hs.659564	17.60	chr4	N/A	15	73.33
GK	17.60	chrX	Xp21.3	85	91.42
RGS6	17.60	chr14	14q24.3	82	90.43
Hs.603780	17.60	chr15	N/A	1	0.00
CDCA8	17.60	chr1	1p34.3	28	73.95
Hs.557392	17.60	chr17	N/A	3	51.52
Hs.570900	17.60	chr5	N/A	7	114.81
Hs.130431	17.59	chr7	N/A	10	73.63
ZNF181	17.59	chr19	19q13.11	17	48.44
Hs.688325	17.59	chrY	N/A	2	95.19
CCDC121	17.59	chr2	2p23.3	41	81.12
KCNE4	17.59	chr2	2q36.1	23	50.52
CAHM	17.59	chr6	N/A	8	56.70
Hs.112699	17.59	chr2	N/A	7	57.40
Hs.501684	17.58	chr11	N/A	1	0.00
Hs.195549	17.58	chr3	N/A	3	77.38
Hs.597750	17.58	chr3	N/A	7	61.36
OR5F1	17.58	chr11	11q12.1	18	53.49
NR2F1	17.58	chr5	5q14	2	13.55
SLC13A5	17.58	chr17	17p13.1	26	222.86
Hs.22137	17.58	chr1	N/A	10	97.85
Hs.606274	17.58	chr4	N/A	1	0.00
ZNF57	17.57	chr19	19p13.3	19	49.37
Hs.545410	17.57	chr8	N/A	3	89.38
ADORA2A-AS1	17.57	chr22	22q11.23	36	96.13
SCTR	17.57	chr2	2q14.1	30	75.23
RAPGEFL1	17.57	chr17	17q21.1	28	138.42
Hs.616436	17.57	chr12	N/A	11	35.60
Hs.652980	17.57	chr1	N/A	4	71.90
Hs.594202	17.56	chr1	N/A	1	0.00
L3MBTL1	17.56	chr20	20q13.12	98	119.16
SLC17A9	17.56	chr20	20q13.33	22	81.29
THAP2	17.56	chr12	12q21.1	48	133.23
TTL4	17.56	chr2	2p24.3-p24.1	40	87.02
Hs.546324	17.56	chr3	N/A	8	42.30
Hs.542430	17.56	chr20	N/A	3	69.89
Hs.144030	17.56	chr8	N/A	24	133.26
ZNF346	17.56	chr5	5q35.2	39	75.58
KCNK2	17.56	chr1	1q41	37	323.87
LOC440925	17.56	chr2	2q31.1	3	51.01
KCNMB3	17.56	chr3	3q26.3-q27	34	92.16
Hs.623582	17.56	chr1	N/A	3	12.41
HHIPL1	17.55	chr14	14q32	39	52.78
CEP97	17.55	chr3	3q12.3	59	125.15
Hs.662822	17.55	chr19	N/A	7	43.73
AFMID	17.55	chr17	17q25.3	32	98.47
KLHL29	17.55	chr2	2p24.1	43	82.43
BAZ1A	17.55	chr14	14q13.2	149	97.53
Hs.256734	17.55	chr2	N/A	3	16.27
Hs.575725	17.55	chrX	N/A	3	64.08
Hs.147846	17.55	chr3	N/A	5	63.67
FUT10	17.54	chr8	8p12	48	73.14
LOC283587	17.54	chr14	14q31.3	18	55.80
Hs.666862	17.54	chr2	N/A	14	151.32
Hs.567153	17.54	chrX	N/A	3	47.20

OR10AG1	17.54	chr11	11q11	5	82.57
LOC153910	17.54	chr6	6q24.2	1	0.00
Hs.551898	17.54	chr11	N/A	4	74.71
Hs.208405	17.54	chr4	N/A	3	59.35
Hs.660095	17.54	chr2	N/A	7	119.36
Hs.604701	17.54	chr19	N/A	7	35.91
Hs.526761	17.53	chr3	N/A	1	0.00
Hs.664619	17.53	chr17	N/A	3	65.71
Hs.658611	17.53	chr19	N/A	1	0.00
TSHZ2	17.53	chr20	20q13.2	95	121.32
EPGN	17.53	chr4	4q13.3	13	136.04
Hs.661682	17.53	chr19	N/A	7	54.93
LINC00605	17.53	chr14	14q32.32	1	0.00
TM4SF5	17.53	chr17	17p13.3	42	82.26
NUFIP1	17.52	chr13	13q14	60	89.72
MEIOB	17.52	chr16	16p13.3	26	70.47
LOC646670	17.52	chr15	15q24.1	3	92.67
MMEL1	17.52	chr1	1p36	22	77.20
LHFPL5	17.52	chr6	6p21.31	19	46.77
HBCBP	17.52	chr12	12q13.3	3	42.72
OR10G7	17.52	chr11	11q24.2	5	78.94
C20orf112	17.52	chr20	20q11.21	101	153.20
CIRBP-AS1	17.52	chr19	19p13.3	18	51.73
ING5	17.52	chr2	2q37.3	91	152.70
LOC100506374	17.52	chr19	N/A	1	0.00
SPATA32	17.52	chr17	17q21.31	18	122.49
PCDHB3	17.52	chr5	5q31	14	132.20
LINC00575	17.52	chr4	4q21.3	3	42.99
Hs.483183	17.52	chr5	N/A	3	20.08
LOC100507486	17.52	chr19	N/A	1	0.00
LOC257396	17.52	chr5	5q11.2	25	62.07
KRTAP4-7	17.52	chr17	17q21.2	29	147.68
Hs.420459	17.52	chr8	N/A	26	86.44
C9orf131	17.51	chr9	9p13.3	35	196.02
TUBAL3	17.51	chr10	10p15.1	21	96.55
MAP7	17.51	chr6	6q23.3	62	95.95
OTUD6A	17.51	chrX	Xq13.1	18	59.29
CIITA	17.51	chr16	16p13	76	76.40
Hs.593689	17.51	chr17	N/A	7	60.60
Hs.539751	17.51	chr13	N/A	3	55.05
Hs.617007	17.51	chr20	N/A	3	76.23
BSPRY	17.50	chr9	9q32	50	87.49
C20orf78	17.50	chr20	20p11.23	6	92.51
Hs.13281	17.50	chr3	N/A	11	46.23
GPR171	17.50	chr3	3q25.1	23	77.90
Hs.649136	17.50	chrX	N/A	7	91.93
Hs.580461	17.50	chr2	N/A	3	66.49
IHH	17.50	chr2	2q33-q35	20	127.96
Hs.597269	17.50	chr16	N/A	14	78.35
COL10A1	17.49	chr6	6q21-q22	28	63.09
Hs.721499	17.49	chr19	N/A	3	77.38
Hs.203340	17.49	chr11	N/A	3	66.38
SPRN	17.49	chr10	10q26.3	33	157.12
MUC8	17.48	chr12	12q24.33	21	51.23
Hs.544065	17.48	chr5	N/A	3	66.89
Hs.720851	17.48	chr15	N/A	4	79.06
Hs.636593	17.48	chr3	N/A	3	29.80
CCDC169	17.48	chr13	13q13.3	17	118.38
LOC100287525	17.48	chr17	17q21.2	18	54.91
LINC00689	17.47	chr7	7q36.3	25	148.25
LOC653562	17.47	chr16	16p11.2	6	73.83
KCNJ11	17.47	chr11	11p15.1	24	85.39
Hs.576762	17.47	chr10	N/A	5	76.53
BCL10	17.46	chr1	1p22	50	84.20
Hs.608171	17.46	chr5	N/A	5	86.05
MSH5	17.46	chr6	6p21.3	39	106.27

Hs.587174	17.46	chr3	N/A	3	21.56
Hs.549460	17.46	chr11	N/A	3	77.72
MAP3K12	17.46	chr12	12q13	25	89.39
Hs.351489	17.46	chr12	N/A	3	55.02
C1orf213	17.46	chr1	1p36.12	12	79.91
Hs.202440	17.46	chr8	N/A	3	38.13
Hs.284464	17.46	chr10	N/A	7	46.45
Hs.652501	17.46	chr1	N/A	8	66.48
Hs.129302	17.46	chr12	N/A	4	59.06
Hs.97813	17.45	chr2	N/A	10	71.91
Hs.656484	17.45	chr17	N/A	1	0.00
CCDC144NL	17.45	chr17	17p11.2	13	29.65
Hs.540914	17.45	chr17	N/A	3	89.13
MED18	17.45	chr1	1p35.3	33	93.56
Hs.638863	17.45	chr10	N/A	3	53.78
SLC35F3	17.44	chr1	1q42.2	37	125.40
Hs.157864	17.44	chr10	N/A	11	76.96
SIGLEC7	17.44	chr19	19q13.3	61	81.20
Hs.147559	17.44	chr15	N/A	2	15.06
Hs.719349	17.44	chrX	N/A	7	57.80
PFKFB4	17.44	chr3	3p22-p21	31	97.71
HMCN2	17.44	chr9	9q34.11	36	103.82
TRGV5	17.43	chr7	7p14	5	55.98
OR13C2	17.43	chr9	9q31.1	3	64.47
OR2A4	17.43	chr6	6q23	8	64.44
WNT2	17.43	chr7	7q31.2	57	86.27
Hs.661655	17.43	chr22	N/A	8	102.03
PABPC4L	17.43	chr4	4q28.3	24	65.52
Hs.541636	17.43	chr2	N/A	3	9.03
CNTNAP3	17.43	chr9	9p13.1	30	54.89
Hs.443602	17.43	chr6	N/A	3	59.18
Hs.658211	17.43	chr1	N/A	8	119.97
CDK19	17.42	chr6	6q21	54	127.14
Hs.563210	17.42	chr4	N/A	7	132.12
Hs.65307	17.42	chr19	N/A	8	97.44
SNED1	17.42	chr2	2q37.3	49	100.93
FLJ41757	17.42	chr2	2p21	1	0.00
ZNF678	17.42	chr1	1q42.13	77	103.04
Hs.640495	17.41	chr1	N/A	3	33.19
CAMK4	17.41	chr5	5q21.3	52	278.43
MLN	17.41	chr6	6p21.3	43	97.76
ZNF442	17.41	chr19	19p13.2	21	78.17
SCML2	17.41	chrX	Xp22	47	111.12
Hs.559739	17.40	chr1	N/A	3	19.42
RBBP9	17.40	chr20	20p11.2	41	139.51
Hs.714523	17.40	chr10	N/A	8	74.12
KIAA1210	17.40	chrX	Xq24	16	124.44
Hs.602851	17.39	chr9	N/A	11	16.36
Hs.519810	17.39	chr5	N/A	3	34.90
Hs.601124	17.39	chr14	N/A	7	63.22
ARHGEF38	17.39	chr4	4q24	21	127.16
MDM1	17.39	chr12	12q15	74	150.87
Hs.131832	17.38	chr4	N/A	3	74.04
Hs.31542	17.38	chrX	N/A	3	68.30
Hs.544413	17.38	chr6	N/A	3	1.96
LRRC4B	17.38	chr19	19q13.33	24	118.08
FHDC1	17.38	chr4	4q31.3	26	145.07
WNT10A	17.38	chr2	2q35	37	94.15
Hs.662709	17.38	chr4	N/A	7	53.69
Hs.598973	17.38	chr11	N/A	1	0.00
C9orf40	17.38	chr9	9q21.13	39	96.52
Hs.21703	17.38	chr7	N/A	5	164.44
IL12RB1	17.38	chr19	19p13.1	44	77.65
IFIH1	17.38	chr2	2q24	41	86.64
Hs.335205	17.38	chr17	N/A	8	88.65
SLC26A3	17.38	chr7	7q31	37	144.79

Hs.129800	17.38	chr8	N/A	3	74.83
KLLN	17.38	chr10	10q23	11	86.77
Hs.597015	17.38	chr6	N/A	7	53.75
PRY2	17.38	chrY	Yq11.223	13	32.11
Hs.599618	17.38	chr5	N/A	8	74.36
CACNA1C-IT3	17.37	chr12	N/A	7	170.68
Hs.287720	17.37	chr2	N/A	4	82.58
MAT1A	17.37	chr10	10q22	26	101.96
TSSK2	17.37	chr22	22q11.21	30	113.25
BBS7	17.37	chr4	4q27	58	125.73
SLC39A11	17.37	chr17	17q21.31	50	87.16
Hs.558512	17.37	chr3	N/A	8	64.89
Hs.667602	17.36	chr1	N/A	1	0.00
Hs.732830	17.36	chr1	N/A	7	52.66
LOC100288198	17.36	chr6	6q14.1	10	89.37
Hs.561041	17.36	chr21	N/A	3	95.11
Hs.635088	17.36	chr6	N/A	5	65.73
Hs.662858	17.36	chr2	N/A	8	82.31
GINS2	17.36	chr16	16q24.1	29	64.13
Hs.541363	17.36	chr19	N/A	3	37.85
ANGPT1	17.36	chr8	8q23.1	81	102.69
Hs.655397	17.36	chr4	N/A	11	97.64
ZNF155	17.36	chr19	19q13.2-q13.32	27	53.35
PTPRC	17.35	chr1	1q31-q32	116	135.23
TULP3	17.35	chr12	12p13.3	84	106.15
Hs.600282	17.35	chr2	N/A	1	0.00
Hs.541982	17.35	chr2	N/A	3	30.23
CDSN	17.35	chr6	6p21.3	81	97.83
Hs.538729	17.35	chr11	N/A	3	61.52
ZNF202	17.35	chr11	11q23.3	56	70.04
Hs.537839	17.35	chr1	N/A	3	74.35
Hs.308463	17.35	chr1	N/A	6	84.02
Hs.574474	17.35	chr18	N/A	3	46.82
Hs.659792	17.35	chr10	N/A	7	41.44
Hs.59735	17.34	chr5	N/A	3	78.81
LOC730098	17.34	chr9	9p13.3	8	92.96
Hs.666432	17.34	chr11	N/A	2	107.06
Hs.434392	17.34	chr12	N/A	4	63.28
Hs.546079	17.34	chrX	N/A	3	43.87
RERGL	17.34	chr12	12p12.3	18	52.94
SLC13A4	17.34	chr7	7q33	21	97.89
Hs.553279	17.34	chr7	N/A	4	49.06
Hs.738288	17.34	chr1	N/A	3	53.54
Hs.565486	17.34	chr2	N/A	3	73.71
FAM5C	17.34	chr1	1q31.1	44	102.23
FLJ44477	17.33	chr4	4q31.21	3	67.19
LOC100996444	17.33	chr5	N/A	3	59.20
SCUBE2	17.33	chr11	11p15.3	56	70.60
SEPT12	17.33	chr16	16p13.3	19	52.76
SUSD4	17.33	chr1	1q41	50	92.54
Hs.736501	17.33	chr11	N/A	1	0.00
PIP	17.33	chr7	7q34	44	73.28
Hs.567627	17.33	chr2	N/A	7	68.70
Hs.661738	17.33	chr2	N/A	8	92.25
HS6ST2	17.33	chrX	Xq26.2	44	144.09
NR6A1	17.32	chr9	9q33.3	61	88.47
ZNF808	17.32	chr19	19q13.41	14	45.62
Hs.129114	17.32	chr8	N/A	10	105.52
Hs.659834	17.32	chr20	N/A	7	54.83
LOC100507584	17.32	chr6	N/A	20	258.81
TTC9	17.32	chr14	14q24.2	47	119.75
Hs.543317	17.32	chr4	N/A	3	59.00
DSCAML1	17.32	chr11	11q23	24	154.95
DOT1L	17.32	chr19	19p13.3	59	79.50
OR52E2	17.32	chr11	11p15.4	6	74.80
Hs.592852	17.31	chr13	N/A	3	30.87

NPC1L1	17.31	chr7	7p13	43	123.72
NCF2	17.31	chr1	1q25	35	71.15
Hs.31181	17.31	chr1	N/A	7	57.33
Hs.543006	17.31	chr3	N/A	3	45.90
Hs.292873	17.31	chr12	N/A	3	37.85
C16orf59	17.31	chr16	16p13.3	21	72.26
OR2A14	17.31	chr7	7q35	16	57.90
HORMAD2	17.31	chr22	22q12.2	22	188.94
ADARB2-AS1	17.31	chr10	10p15.3	14	173.58
NGB	17.31	chr14	14q24.3	29	90.90
Hs.571216	17.31	chr7	N/A	3	42.20
Hs.582694	17.30	chr6	N/A	3	66.71
Hs.661853	17.30	chrX	N/A	1	0.00
Hs.38218	17.30	chrX	N/A	10	92.25
Hs.191850	17.30	chr14	N/A	8	100.72
Hs.440088	17.30	chr5	N/A	13	111.10
Hs.632855	17.30	chr2	N/A	18	98.33
DEFB4A	17.30	chr8	8p23.1	18	53.78
TMSB15B	17.30	chrX	Xq22.2	54	87.92
CD177	17.30	chr19	19q13.2	44	125.46
C1QL4	17.29	chr12	12q13.12	8	158.10
MIRLET7BHG	17.29	chr22	22q13.31	17	81.83
Hs.664716	17.29	chr3	N/A	1	0.00
LOC100996416	17.29	chr13	N/A	4	61.30
Hs.600152	17.29	chr14	N/A	1	0.00
Hs.542983	17.29	chr3	N/A	3	72.72
Hs.664646	17.29	chr6	N/A	8	55.85
MTERF	17.29	chr7	7q21-q22	53	88.03
TRAF5	17.29	chr1	1q32	42	85.94
C5AR1	17.29	chr19	19q13.3-q13.4	31	108.90
COL13A1	17.28	chr10	10q22	153	118.93
NUSAP1	17.28	chr15	15q15.1	50	107.91
Hs.613098	17.28	chr3	N/A	1	0.00
Hs.554828	17.28	chr15	N/A	7	96.39
ZNF732	17.28	chr4	4p16.3	2	26.15
CRP	17.28	chr1	1q23.2	33	77.29
Hs.583494	17.28	chr7	N/A	7	87.13
Hs.561798	17.27	chr8	N/A	2	96.10
Hs.675304	17.27	chr11	N/A	10	59.67
Hs.673026	17.27	chr14	N/A	1	0.00
PTCH2	17.27	chr1	1p34.1	21	63.29
ARC	17.27	chr8	8q24.3	30	103.85
Hs.666191	17.27	chr6	N/A	1	0.00
HOXB9	17.27	chr17	17q21.3	29	99.47
Hs.355506	17.27	chr2	N/A	5	98.42
Hs.732607	17.27	chr2	N/A	3	78.57
C21orf67	17.27	chr21	21q22.3	33	76.72
Hs.192503	17.27	chr16	N/A	3	56.45
Hs.127358	17.26	chr4	N/A	7	98.41
Hs.662546	17.26	chr3	N/A	3	61.75
RAB42	17.25	chr1	1p35.3	17	71.95
TONSL	17.25	chr8	8q24.3	35	93.38
SPRED3	17.25	chr19	19q13	13	81.65
Hs.541596	17.25	chr2	N/A	10	108.74
CTAGE15	17.25	chr7	7q35	16	68.63
LINC00700	17.25	chr10	10p15.3	1	0.00
LPAR3	17.25	chr1	1p22.3	20	86.17
ACSL6	17.25	chr5	5q31	90	244.65
Hs.666057	17.25	chr14	N/A	7	47.36
LOC100506053	17.24	chr20	N/A	3	38.74
Hs.654888	17.24	chr7	N/A	7	98.17
Hs.566829	17.24	chr8	N/A	3	60.70
Hs.602127	17.24	chr4	N/A	14	60.64
LYG1	17.24	chr2	2q11.2	33	102.60
LOC401320	17.24	chr7	7p15.1	76	144.85
GUCA1A	17.24	chr6	6p21.1	54	109.67

Hs.568807	17.24	chr10	N/A	3	43.51
Hs.504185	17.24	chr1	N/A	10	24.76
ATP12A	17.24	chr13	13q12.1-q12.3	26	49.47
Hs.344220	17.23	chr13	N/A	2	109.63
ANGPTL7	17.23	chr1	1p36	30	63.42
CTAGE5	17.23	chr14	14q13.3	76	83.02
Hs.216701	17.23	chr3	N/A	4	38.94
Hs.557547	17.23	chr17	N/A	3	107.38
NLRC3	17.23	chr16	16p13.3	49	75.08
SUV420H2	17.23	chr19	19q13.42	26	119.12
Hs.738893	17.23	chr6	N/A	3	74.41
Hs.125470	17.23	chr12	N/A	10	68.51
Hs.564848	17.23	chr15	N/A	3	59.75
Hs.657244	17.23	chr15	N/A	7	58.30
Hs.665649	17.23	chr11	N/A	1	0.00
Hs.145853	17.22	chr6	N/A	3	60.89
Hs.533067	17.22	chr3	N/A	19	109.04
CXCR3	17.22	chrX	Xq13	32	61.34
C17orf78	17.22	chr17	17q12	17	65.19
BDKRB1	17.22	chr14	14q32.1-q32.2	32	84.28
Hs.602479	17.22	chr12	N/A	7	55.15
Hs.197703	17.22	chr4	N/A	3	71.52
OLFM2	17.22	chr19	19p13.2	19	79.12
Hs.660858	17.21	chr14	N/A	3	97.89
SH3TC2	17.21	chr5	5q32	83	230.96
LILRA3	17.21	chr19	19q13.4	28	140.03
Hs.689155	17.21	chr5	N/A	10	28.16
BEST2	17.21	chr19	19p13.2	28	90.83
WDHD1	17.21	chr14	14q22.2	153	406.38
Hs.539042	17.21	chr7	N/A	3	62.06
Hs.541901	17.21	chr2	N/A	3	53.42
TP63	17.21	chr3	3q28	81	116.11
Hs.597689	17.21	chr1	N/A	10	13.50
FMO3	17.21	chr1	1q24.3	41	102.25
INVS	17.21	chr9	9q31	54	87.28
Hs.570820	17.21	chr4	N/A	1	0.00
TSLP	17.21	chr5	5q22.1	33	88.69
ACY3	17.20	chr11	11q13.2	27	166.85
DEPDC1B	17.20	chr5	5q12.1	34	101.98
Hs.596114	17.20	chr7	N/A	3	70.15
Hs.579438	17.20	chr18	N/A	3	72.00
LOC100506922	17.20	chr2	N/A	9	64.99
Hs.656383	17.20	chr6	N/A	17	117.21
Hs.541051	17.20	chr18	N/A	3	12.37
LOC100506421	17.20	chr2	2q12	11	31.56
Hs.120204	17.19	chr1	N/A	20	58.43
Hs.668350	17.19	chr17	N/A	7	95.03
AIM1L	17.19	chr1	1p36.11	67	172.69
Hs.454452	17.19	chr10	N/A	9	26.62
FGFBP1	17.19	chr4	4p15.32	28	108.01
Hs.542573	17.19	chr21	N/A	10	110.59
Hs.713971	17.19	chr13	N/A	7	109.64
SLC45A1	17.18	chr1	1p36.23	24	114.15
DQX1	17.18	chr2	2p13.1	38	220.48
TAS2R1	17.18	chr5	5p15	21	166.47
Hs.730286	17.18	chr21	N/A	1	0.00
Hs.50125	17.18	chrX	N/A	4	72.20
Hs.128396	17.18	chrX	N/A	3	57.69
Hs.667673	17.18	chr2	N/A	2	74.15
OR2S2	17.18	chr9	9p13.3	21	157.64
Hs.542727	17.17	chr22	N/A	3	36.19
LRRK1	17.17	chr15	15q26.3	36	64.62
Hs.602932	17.17	chr16	N/A	3	73.89
HOXD1	17.17	chr2	2q31.1	30	83.61
ST7L	17.17	chr1	1p13.2	54	87.25
Hs.564975	17.17	chr16	N/A	3	52.56

SLC38A11	17.17	chr2	2q24.3	37	111.30
FLJ45721	17.17	chr4	4p15.2	3	28.12
Hs.634874	17.17	chr3	N/A	6	86.61
Hs.190279	17.16	chr9	N/A	3	24.82
PCDHGA3	17.16	chr5	5q31	10	64.04
SPAG5	17.16	chr17	17q11.2	37	85.84
Hs.597626	17.16	chr15	N/A	7	83.50
Hs.15422	17.16	chr6	N/A	8	77.15
Hs.667460	17.16	chr3	N/A	2	66.89
Hs.121203	17.16	chr11	N/A	3	30.99
Hs.614028	17.16	chr8	N/A	1	0.00
Hs.662415	17.15	chr11	N/A	7	130.37
CAPN3	17.15	chr15	15q15.1	42	102.77
Hs.666205	17.15	chr2	N/A	7	116.35
Hs.541675	17.15	chr2	N/A	3	45.08
LOC100216546	17.15	chr7	7q22.1	43	97.71
Hs.582735	17.15	chr6	N/A	3	25.01
Hs.534718	17.15	chr1	N/A	3	62.24
Hs.577306	17.15	chr11	N/A	3	56.65
RTP1	17.15	chr3	3q27.3	30	88.68
Hs.160108	17.15	chr18	N/A	3	28.58
Hs.706576	17.14	chr12	N/A	3	28.57
Hs.566487	17.14	chr6	N/A	3	58.46
Hs.703291	17.14	chr17	N/A	7	82.48
C6orf25	17.14	chr6	6p21.33	63	107.84
RGSL1	17.14	chr1	1q25	34	243.07
LOC100507288	17.14	chr15	N/A	1	0.00
Hs.725354	17.14	chr2	N/A	7	94.59
LINC00692	17.14	chr3	3p24.2	4	73.09
SCNN1B	17.13	chr16	16p12.2-p12.1	40	106.98
FAM209B	17.13	chr20	20q13.31	27	93.84
Hs.565790	17.13	chr22	N/A	3	28.65
Hs.733823	17.13	chr1	N/A	7	94.65
Hs.643687	17.13	chr11	N/A	8	76.34
Hs.561365	17.13	chr5	N/A	3	69.23
MASP2	17.13	chr1	1p36.3-p36.2	75	95.57
ANKLE2	17.13	chr12	12q24.33	70	83.99
KCND3	17.12	chr1	1p13.3	53	134.62
Hs.601963	17.12	chr4	N/A	8	44.81
Hs.538558	17.12	chr10	N/A	3	62.16
Hs.438167	17.12	chr3	N/A	3	57.80
PANX2	17.12	chr22	22q13.33	37	57.64
ABHD3	17.12	chr18	18q11.2	29	82.26
ATRNL1	17.12	chr10	10q26	80	208.13
Hs.650748	17.12	chr5	N/A	3	44.32
SFXN1	17.11	chr5	N/A	46	103.81
Hs.563986	17.11	chr1	N/A	3	65.67
Hs.563605	17.11	chr9	N/A	3	35.85
Hs.708542	17.11	chr4	N/A	3	28.37
BICD1	17.11	chr12	12p11.2-p11.1	116	120.51
PSD4	17.11	chr2	2q13	56	102.88
Hs.661353	17.11	chr15	N/A	7	120.27
DGCR11	17.11	chr22	22q11.21	14	67.88
GMIP	17.11	chr19	19p13.11	29	72.73
Hs.621790	17.11	chr11	N/A	1	0.00
RAPSN	17.11	chr11	11p11.2	33	98.85
KMO	17.10	chr1	1q42-q44	67	83.41
Hs.331147	17.10	chr7	N/A	7	52.59
FAM98B	17.10	chr15	15q14	26	194.92
Hs.597281	17.10	chr3	N/A	7	74.04
Hs.656288	17.10	chr1	N/A	8	107.71
ENAM	17.10	chr4	4q13.3	19	87.77
KIFC1	17.10	chr6	6p21.3	39	106.31
HOXB7	17.10	chr17	17q21.3	55	87.71
Hs.690437	17.10	chr6	N/A	5	56.41
Hs.403692	17.10	chr7	N/A	3	39.03

Hs.560753	17.10	chr2	N/A	3	58.07
MAGEC1	17.10	chrX	Xq26	39	64.30
NRN1L	17.09	chr16	16q22.1	18	52.06
CEP76	17.09	chr18	18p11.21	40	89.77
LAMA3	17.09	chr18	18q11.2	75	146.98
LIMD2	17.09	chr17	17q23.3	51	84.99
OR56B1	17.09	chr11	11p15.4	16	65.47
FCAR	17.09	chr19	19q13.42	62	210.22
Hs.640246	17.09	chr8	N/A	3	60.90
ZNF543	17.08	chr19	19q13.43	32	91.66
Hs.132725	17.08	chr2	N/A	6	90.55
Hs.546837	17.08	chr15	N/A	3	78.48
Hs.648492	17.08	chr11	N/A	5	88.31
Hs.513379	17.08	chr13	N/A	2	60.60
CARTPT	17.07	chr5	5q13.2	30	93.98
Hs.584280	17.07	chr9	N/A	3	29.86
APOBEC3D	17.07	chr22	22q13.1	26	153.58
MGC57346	17.07	chr17	17q21.31	32	146.93
Hs.592495	17.07	chr11	N/A	10	39.80
Hs.602281	17.07	chr4	N/A	15	98.11
LOC100507300	17.07	chr11	N/A	5	87.59
Hs.455471	17.07	chr10	N/A	7	49.30
Hs.555570	17.07	chr2	N/A	3	42.74
Hs.132705	17.07	chrX	N/A	3	7.17
Hs.583307	17.07	chr7	N/A	3	56.54
Hs.738170	17.07	chr16	N/A	3	96.90
CPA5	17.07	chr7	7q32	19	48.32
Hs.522279	17.06	chr9	N/A	3	34.38
F7	17.06	chr13	13q34	54	120.61
Hs.302713	17.06	chr5	N/A	3	50.94
Hs.649114	17.06	chr7	N/A	7	69.55
Hs.659171	17.06	chr4	N/A	7	83.76
TRPV5	17.06	chr7	7q35	35	92.21
Hs.204945	17.06	chr20	N/A	1	0.00
OR5D13	17.06	chr11	11q11	3	73.24
LINC00210	17.06	chr1	1q41	1	0.00
Hs.539970	17.06	chr14	N/A	3	30.54
GPR135	17.06	chr14	14q23.1	63	92.75
Hs.678453	17.05	chr5	N/A	3	66.08
LINC00950	17.05	chr9	9p13.3	24	110.65
Hs.543998	17.05	chr5	N/A	3	44.48
TFCP2L1	17.05	chr2	2q14	51	132.62
PAX2	17.05	chr10	10q24	52	121.20
Hs.656695	17.05	chr5	N/A	21	80.03
Hs.538000	17.05	chr1	N/A	3	55.71
Hs.698517	17.05	chr19	N/A	3	28.86
Hs.670451	17.05	chr17	N/A	11	72.83
Hs.657180	17.05	chr5	N/A	8	68.72
Hs.538984	17.05	chr11	N/A	3	34.08
C1orf106	17.04	chr1	1q32.1	38	86.65
Hs.666359	17.04	chr1	N/A	3	34.35
LOC349196	17.04	chr8	8p23.1	20	46.84
H2BFM	17.04	chrX	Xq22.2	13	124.93
CLSTN3	17.04	chr12	12p13.31	28	132.78
Hs.210399	17.04	chr10	N/A	3	57.50
Hs.551390	17.04	chr19	N/A	3	59.34
FAM186A	17.03	chr12	12q13.12	3	55.21
Hs.738221	17.03	chr10	N/A	3	52.43
CNR1	17.03	chr6	6q14-q15	51	157.42
TMPRSS4	17.03	chr11	11q23.3	36	88.51
Hs.202343	17.03	chr11	N/A	3	59.32
Hs.659283	17.03	chr12	N/A	3	38.35
MOGAT1	17.03	chr2	2q36.1	19	121.37
Hs.596383	17.03	chr11	N/A	11	96.24
Hs.539062	17.03	chr11	N/A	2	104.28
MPPED2	17.03	chr11	11p13	45	119.23

Hs.7124	17.03	chr2	N/A	1	0.00
LOC100506414	17.03	chr9	N/A	11	75.92
NPPC	17.02	chr2	2q24-qter	23	101.43
Hs.538819	17.02	chr11	N/A	3	85.13
Hs.541761	17.02	chr17	N/A	3	90.10
CHST11	17.02	chr12	12q	47	160.42
Hs.564353	17.02	chr12	N/A	3	23.97
Hs.565332	17.02	chr2	N/A	3	27.54
Hs.654294	17.02	chr5	N/A	3	32.09
TTY13	17.01	chrY	Yq11.223	19	60.16
NFXL1	17.01	chr4	4p12	20	103.59
LOC100507557	17.01	chr6	N/A	8	41.08
Hs.602698	17.01	chr5	N/A	7	48.77
Hs.268606	17.01	chr17	N/A	8	53.59
Hs.650349	17.01	chr7	N/A	9	45.37
Hs.210310	17.01	chr5	N/A	3	62.30
Hs.554085	17.00	chr11	N/A	3	101.61
Hs.50927	17.00	chr21	N/A	9	79.58
FAM182B	17.00	chr20	20p11.1	57	75.11
FLJ35282	17.00	chr9	9p21.3	3	79.27
LOC646778	17.00	chr18	18q12.1	16	78.35
Hs.408196	17.00	chr13	N/A	4	40.05
GP6	17.00	chr19	19q13.4	24	71.60
Hs.572051	17.00	chr11	N/A	3	69.05
Hs.150747	17.00	chr5	N/A	10	116.93
Hs.151159	17.00	chr10	N/A	5	83.55
Hs.732823	17.00	chr2	N/A	8	100.82
CYP4A11	17.00	chr1	1p33	55	89.48
Hs.734685	17.00	chr1	N/A	7	73.64
Hs.527101	17.00	chr8	N/A	3	10.29
Hs.657288	17.00	chr5	N/A	5	78.93
C4BPA	17.00	chr1	1q32	30	84.94
Hs.613525	16.99	chr10	N/A	3	73.77
Hs.658563	16.99	chr4	N/A	7	65.35
KIRREL3-AS3	16.99	chr11	11q24.2	17	37.80
VN1R2	16.99	chr19	19q13.42	22	99.02
Hs.573166	16.99	chr5	N/A	7	89.31
Hs.662308	16.98	chr5	N/A	7	75.95
ADCY2	16.98	chr5	5p15.3	56	109.62
LOC441956	16.98	chr21	21q11.2	9	64.30
EPHB2	16.98	chr1	1p36.1-p35	76	91.39
CATSPER4	16.98	chr1	1p35.3	13	60.87
Hs.735129	16.98	chr2	N/A	3	70.30
CACNA1S	16.98	chr1	1q32	30	138.15
SEPT3	16.98	chr22	22q13.2	37	225.33
GBX2	16.98	chr2	2q37.2	30	141.01
CCNF	16.97	chr16	16p13.3	49	84.00
Hs.127934	16.97	chr3	N/A	5	100.86
KRTAP10-3	16.97	chr21	21q22.3	3	35.41
CNIH2	16.97	chr11	11q13.2	35	92.03
Hs.734213	16.97	chr15	N/A	8	57.88
LOC100506718	16.97	chr14	N/A	10	121.23
Hs.570966	16.97	chr5	N/A	3	88.99
Hs.539245	16.97	chr12	N/A	3	50.46
GDPD4	16.97	chr11	11q13.5	13	53.99
ABCB4	16.96	chr7	7q21.1	34	104.39
ZNF613	16.96	chr19	19q13.41	42	88.19
TMC7	16.96	chr16	16p12.3	27	126.76
Hs.502672	16.96	chr11	N/A	3	64.04
Hs.638456	16.96	chr17	N/A	3	50.36
Hs.571540	16.96	chr8	N/A	3	76.01
ANAPC2	16.96	chr9	9q34.3	31	81.32
PSG7	16.96	chr19	19q13.2	26	145.66
Hs.680129	16.96	chr13	N/A	1	0.00
LOC283887	16.96	chr16	16p12.1	13	27.20
Hs.601140	16.96	chrX	N/A	7	85.95

LOC440292	16.95	chr15	15q24.3	13	48.74
OR2L8	16.95	chr1	1q44	3	44.30
SIX1	16.95	chr14	14q23.1	35	86.02
Hs.607279	16.95	chr11	N/A	5	82.74
ARID4A	16.95	chr14	14q23.1	63	102.19
FUT2	16.95	chr19	19q13.3	40	93.90
Hs.563492	16.95	chr7	N/A	1	0.00
ZNF320	16.94	chr19	19q13.41	50	92.13
TRIM72	16.94	chr16	16p11.2	26	78.26
Hs.734696	16.94	chr12	N/A	1	0.00
TRAIP	16.94	chr3	3p21.31	30	83.99
EPCAM	16.94	chr2	2p21	33	115.10
Hs.334275	16.94	chr11	N/A	3	16.00
Hs.582914	16.94	chr6	N/A	3	55.99
MTTP	16.94	chr4	4q24	34	74.44
Hs.564385	16.93	chr12	N/A	3	17.40
ANKRD18A	16.93	chr9	9p13.1	33	73.86
Hs.563974	16.93	chr1	N/A	3	23.58
KRT23	16.93	chr17	17q21.2	31	78.37
Hs.539256	16.93	chr12	N/A	3	61.54
LOC100147773	16.93	chr1	N/A	11	224.23
Hs.596208	16.93	chr5	N/A	1	0.00
Hs.558953	16.93	chr11	N/A	3	21.45
Hs.581578	16.93	chr3	N/A	3	12.54
CNOT3	16.92	chr19	19q13.4	43	81.01
Hs.649766	16.92	chr2	N/A	3	54.76
Hs.564203	16.92	chr11	N/A	3	54.80
Hs.572904	16.92	chr22	N/A	7	120.90
Hs.733664	16.92	chr4	N/A	3	60.55
ASIC3	16.92	chr7	7q35	33	124.49
Hs.539139	16.92	chr12	N/A	3	47.87
BARX1	16.92	chr9	9q12	28	216.03
TTC39C	16.92	chr18	18q11.2	63	127.77
KIAA1244	16.92	chr6	6q23.3	64	105.62
Hs.659334	16.92	chr6	N/A	3	42.30
FBXO48	16.91	chr2	2p13.3	6	57.02
Hs.732795	16.91	chr3	N/A	11	72.01
Hs.582248	16.91	chr5	N/A	3	83.96
FSIP1	16.91	chr15	15q14	35	166.09
Hs.721243	16.91	chr11	N/A	4	62.58
Hs.659154	16.91	chr4	N/A	7	55.14
RAB37	16.91	chr17	17q25.1	51	76.73
Hs.659365	16.91	chr3	N/A	3	35.12
PKLR	16.91	chr1	1q21	69	102.64
MAP7D2	16.91	chrX	Xp22.12	62	157.75
UHRF1BP1	16.91	chr6	6p21	38	157.54
BTK	16.91	chrX	Xq21.33-q22	30	97.03
Hs.581575	16.91	chr3	N/A	3	25.06
Hs.574342	16.90	chr16	N/A	3	44.13
Hs.707593	16.90	chr6	N/A	10	32.74
Hs.587132	16.90	chr18	N/A	1	0.00
BCAS1	16.90	chr20	20q13.2	46	112.45
LOC100505933	16.90	chr10	N/A	40	91.47
Hs.127864	16.90	chr12	N/A	1	0.00
GPHA2	16.90	chr11	11q13.1	17	54.36
CCDC122	16.90	chr13	13q14.11	27	157.72
Hs.478746	16.90	chr3	N/A	7	110.29
LOC399753	16.90	chr10	10q11.22	17	185.82
Hs.674543	16.90	chr7	N/A	2	117.85
Hs.614383	16.89	chr3	N/A	3	70.38
Hs.637782	16.89	chr7	N/A	1	0.00
Hs.595281	16.89	chr6	N/A	7	62.42
Hs.128937	16.89	chr10	N/A	6	60.14
Hs.659845	16.89	chr10	N/A	7	98.19
CCDC173	16.89	chr2	2q31.1	18	178.65
RASGEF1A	16.89	chr10	10q11.21	41	138.44

LRRC48	16.89	chr17	17p11.2	54	79.33
TDRG1	16.89	chr6	6p21.2	17	64.70
Hs.98704	16.89	chr3	N/A	2	106.26
CCL28	16.89	chr5	5p12	27	109.00
Hs.664661	16.89	chr21	N/A	1	0.00
Hs.640484	16.89	chr1	N/A	3	17.61
Hs.720405	16.89	chr9	N/A	4	72.49
CHIA	16.89	chr1	1p13.2	24	81.34
Hs.664992	16.89	chr4	N/A	1	0.00
Hs.576992	16.89	chr11	N/A	3	64.82
FAM155A	16.89	chr13	13q33.3	46	85.39
Hs.566464	16.89	chr6	N/A	3	32.50
CCDC126	16.88	chr7	7p15.3	57	61.04
Hs.577284	16.88	chr11	N/A	3	70.31
ZNF79	16.88	chr9	9q34	50	61.19
Hs.530910	16.88	chr12	N/A	3	46.15
Hs.539959	16.88	chr14	N/A	3	30.53
Hs.735799	16.88	chr1	N/A	2	93.93
CDHR3	16.88	chr7	7q22.3	71	102.94
LOC100289509	16.88	chr10	10q24.32	8	61.19
Hs.705663	16.88	chr17	N/A	7	66.71
NSUN7	16.88	chr4	4p14	44	109.62
CLEC9A	16.88	chr12	12p13.2	6	72.16
Hs.602685	16.88	chr8	N/A	2	79.71
Hs.662671	16.88	chr2	N/A	7	160.05
Hs.672472	16.88	chr11	N/A	2	75.82
Hs.552910	16.88	chr12	N/A	3	19.28
Hs.560736	16.88	chr2	N/A	3	29.56
Hs.576026	16.88	chr1	N/A	3	69.59
LIPH	16.87	chr3	3q27	40	153.39
LOC400879	16.87	chr22	22q11.1	6	49.54
VPS53	16.87	chr17	17p13.3	81	141.76
HS3ST2	16.87	chr16	16p12	35	113.94
IL4I1	16.87	chr19	19q13.3-q13.4	31	110.63
Hs.541861	16.87	chr2	N/A	3	50.49
Hs.564891	16.87	chr16	N/A	3	65.71
PRIM1	16.87	chr12	12q13	123	65.39
Hs.440981	16.87	chr12	N/A	6	57.99
Hs.574306	16.87	chr16	N/A	10	82.42
FAM198A	16.87	chr3	3p22.1	25	102.25
Hs.552428	16.87	chr17	N/A	3	37.31
MNS1	16.87	chr15	15q21.3	31	101.52
MAGEA3	16.86	chrX	Xq28	14	64.81
CA6	16.86	chr1	1p36.2	39	200.11
Hs.541750	16.86	chr2	N/A	3	24.51
MAP3K19	16.86	chr2	2q21.3	31	129.67
ZNF227	16.86	chr19	N/A	22	72.34
Hs.572816	16.86	chr20	N/A	3	119.50
WDFY4	16.86	chr10	10q11.23	37	147.34
Hs.539414	16.86	chr12	N/A	3	15.47
Hs.125395	16.86	chr5	N/A	17	101.79
Hs.541728	16.86	chr2	N/A	3	115.62
Hs.635058	16.85	chr15	N/A	1	0.00
FAM151A	16.85	chr1	N/A	27	128.50
LOC100506114	16.85	chr19	N/A	1	0.00
CYP2C18	16.85	chr10	10q24	28	104.63
Hs.564555	16.85	chr13	N/A	3	66.67
SERPINA4	16.85	chr14	14q32.13	42	104.19
Hs.562058	16.85	chrX	N/A	3	63.08
C4orf21	16.85	chr4	4q25	28	153.61
SNORA25	16.84	chr11	11q21	3	46.76
Hs.539239	16.84	chr12	N/A	3	14.14
Hs.550830	16.84	chr4	N/A	3	44.57
KCNJ10	16.84	chr1	1q23.2	72	127.55
Hs.577000	16.84	chr11	N/A	3	43.31
Hs.510068	16.84	chr14	N/A	11	169.36

RAD18	16.84	chr3	3p25-p24	53	142.44
Hs.669109	16.83	chr1	N/A	3	28.12
SERPINI2	16.83	chr3	3q26.1	31	89.63
Hs.672446	16.83	chr2	N/A	1	0.00
Hs.577387	16.83	chr12	N/A	3	70.87
ACPP	16.83	chr3	3q22.1	77	397.01
Hs.176654	16.83	chr18	N/A	3	38.12
DNAH2	16.83	chr17	17p13.1	43	91.05
Hs.568696	16.83	chr1	N/A	3	36.73
Hs.211973	16.82	chr9	N/A	11	103.78
PRY	16.82	chrY	Yq11.223	10	67.97
RP1L1	16.82	chr8	8p23.1	14	91.39
OR2A5	16.82	chr7	7q35	6	56.92
LOC400464	16.82	chr15	15q26.3	14	109.24
Hs.664809	16.82	chr4	N/A	7	84.39
LOC648987	16.82	chr5	5p12	15	36.12
LOC441086	16.82	chr5	5q13.3	4	42.26
SLC52A1	16.82	chr17	17p13.2	21	76.76
Hs.648103	16.82	chr7	N/A	4	26.80
Hs.600218	16.81	chr17	N/A	7	64.82
Hs.127346	16.81	chr12	N/A	15	64.75
KDM8	16.81	chr16	16p12.1	32	93.84
TNFAIP8L2	16.81	chr1	1q21.3	26	110.95
Hs.545867	16.81	chr9	N/A	3	44.21
Hs.543270	16.81	chr3	N/A	3	60.20
OTX1	16.81	chr2	2p13	27	71.48
IL1RAP	16.81	chr3	3q28	95	112.48
Hs.649263	16.81	chr5	N/A	7	89.87
Hs.655957	16.81	chr10	N/A	15	63.39
TRPM3	16.81	chr9	9q21.12	129	115.31
IL22RA2	16.81	chr6	6q25.1	39	68.74
Hs.585369	16.80	chr1	N/A	7	73.82
LOC100506405	16.80	chr2	N/A	1	0.00
Hs.144129	16.80	chr4	N/A	13	64.08
ABHD13	16.80	chr13	13q33.3	57	125.14
CERCAM	16.80	chr9	9q34.11	30	117.62
Hs.524230	16.80	chr12	N/A	3	11.21
Hs.98737	16.80	chr1	N/A	3	100.92
TTC25	16.80	chr17	17q21.2	17	63.99
KRT24	16.80	chr17	17q21.2	21	60.28
C11orf88	16.79	chr11	11q23.1	27	122.46
Hs.567495	16.79	chr3	N/A	14	83.90
Hs.555036	16.79	chr12	N/A	3	37.83
Hs.491024	16.78	chr8	N/A	11	149.57
Hs.666419	16.78	chr6	N/A	1	0.00
SLC13A2	16.78	chr17	17p13.2	23	104.94
Hs.514590	16.78	chr17	N/A	1	0.00
Hs.540775	16.78	chr17	N/A	3	33.36
Hs.600124	16.78	chr11	N/A	3	50.60
Hs.540255	16.78	chr15	N/A	3	61.02
Hs.436359	16.78	chr5	N/A	10	28.73
Hs.28367	16.78	chr4	N/A	10	66.33
KEL	16.78	chr7	7q33	32	97.50
Hs.661131	16.77	chr2	N/A	11	94.98
Hs.520684	16.77	chr1	N/A	6	82.06
SLC45A2	16.77	chr5	5p13.2	49	81.85
LPPR1	16.77	chr9	9q31.1	45	152.29
Hs.363473	16.77	chr12	N/A	3	43.15
SCN9A	16.77	chr2	2q24	53	153.80
Hs.663274	16.77	chr7	N/A	4	118.02
GAGE2A	16.77	chrX	Xp11.23	3	19.08
Hs.171689	16.77	chr8	N/A	15	150.81
Hs.552468	16.76	chr2	N/A	3	61.60
Hs.439986	16.76	chr17	N/A	3	102.42
HIST2H4B	16.76	chr1	1q21	5	60.41
UGT8	16.76	chr4	4q26	51	107.70

Hs.130639	16.76	chr8	N/A	10	67.45
ZNF771	16.76	chr16	16p11.2	54	151.13
Hs.537735	16.76	chr1	N/A	3	68.36
LOC650293	16.76	chr4	4p16.1	8	101.81
ARHGAP42	16.76	chr11	11q22.1	48	79.12
Hs.673577	16.75	chr1	N/A	2	107.26
FAM124B	16.75	chr2	2q36.2	24	130.56
LOC100996249	16.75	chr7	N/A	3	16.86
Hs.633921	16.75	chr7	N/A	11	49.24
Hs.199393	16.75	chr9	N/A	3	49.11
FLT3	16.75	chr13	13q12	30	68.62
KLK5	16.75	chr19	19q13.33	34	134.41
Hs.210988	16.75	chr6	N/A	3	93.85
MELK	16.75	chr9	9p13.2	38	93.37
Hs.644160	16.75	chr5	N/A	21	46.03
Hs.566683	16.75	chr7	N/A	3	73.65
Hs.574977	16.74	chr3	N/A	3	31.00
Hs.713746	16.74	chr19	N/A	7	73.18
LOC100287590	16.74	chr17	17q21.2	13	34.37
LOC646652	16.74	chr5	5p13.3	20	124.27
Hs.666575	16.74	chr11	N/A	5	138.97
BUB1B	16.74	chr15	15q15	30	54.37
Hs.137641	16.74	chr11	N/A	5	76.03
Hs.552939	16.74	chr14	N/A	7	110.06
Hs.98777	16.73	chr2	N/A	10	53.30
Hs.608943	16.73	chr14	N/A	1	0.00
Hs.661642	16.73	chr12	N/A	8	79.33
SMPD2	16.73	chr6	6q21	37	88.94
Hs.542669	16.73	chr22	N/A	3	36.80
Hs.729487	16.73	chr5	N/A	1	0.00
Hs.563696	16.72	chr1	N/A	3	40.74
KAAG1	16.72	chr6	6p22.1	19	55.95
ERVMER34-1	16.72	chr4	4q12	28	126.87
Hs.444463	16.72	chr7	N/A	3	42.28
MYEF2	16.72	chr15	15q21.1	35	113.32
Hs.733389	16.72	chr14	N/A	8	41.71
GCNT7	16.71	chr20	20q13.2	2	98.79
EPS8L1	16.71	chr19	19q13.42	71	87.46
SLC35G5	16.71	chr8	8p23.1	23	58.36
ARHGAP39	16.71	chr8	8q24.3	33	154.83
LOC101060141	16.71	chr3	N/A	9	19.62
Hs.570267	16.70	chr2	N/A	3	45.80
Hs.639745	16.70	chr7	N/A	3	19.79
Hs.585987	16.70	chr2	N/A	22	144.13
LOC649133	16.70	chr11	11q23.3	3	54.88
ZCCHC4	16.70	chr4	4p15.2	62	84.81
AQP11	16.70	chr11	11q14.1	19	162.89
ADRA1A	16.69	chr8	8p21.2	62	93.35
Hs.732694	16.69	chr4	N/A	7	81.76
Hs.667896	16.69	chr3	N/A	3	71.99
FAM184B	16.69	chr4	4p16	31	120.47
FGFBP3	16.69	chr10	10q23.32	29	61.59
Hs.658602	16.69	chr3	N/A	7	87.82
Hs.543482	16.69	chr4	N/A	3	53.92
UBQLN3	16.68	chr11	11p15	28	89.39
Hs.513120	16.68	chr13	N/A	3	64.12
Hs.661597	16.68	chr2	N/A	8	51.79
Hs.622624	16.68	chr1	N/A	3	27.78
Hs.441614	16.68	chr12	N/A	3	82.66
NAT2	16.68	chr8	8p22	37	61.08
TMEM200A	16.68	chr6	6q23.1	31	87.16
Hs.439682	16.68	chr12	N/A	18	41.27
OR12D3	16.68	chr6	6p22.1	24	77.81
TCTEX1D1	16.67	chr1	1p31.3	24	101.22
CLDN23	16.67	chr8	8p23.1	30	116.34
Hs.660179	16.67	chr7	N/A	8	59.42

Hs.146888	16.67	chr12	N/A	3	112.76
YTHDC2	16.67	chr5	5q22.2	55	107.01
WDR16	16.67	chr17	17p13.1	31	148.78
SLC5A12	16.67	chr11	11p14.2	101	157.58
TCF7	16.67	chr5	5q31.1	149	159.29
Hs.543655	16.67	chr4	N/A	3	36.99
LEFTY1	16.67	chr1	1q42.1	28	97.64
ZNF99	16.67	chr19	19p12	21	122.71
Hs.735777	16.67	chrX	N/A	4	35.77
Hs.542281	16.67	chr20	N/A	5	73.32
LYPD1	16.67	chr2	2q21.2	81	119.92
CD300C	16.67	chr17	17q25.1	37	153.43
TRABD2A	16.66	chr2	2p11.2	22	62.03
GABRR1	16.66	chr6	6q15	23	72.28
NXF3	16.66	chrX	Xq22	29	96.97
Hs.660318	16.66	chr16	N/A	18	105.24
Hs.677296	16.66	chr6	N/A	1	0.00
Hs.666790	16.66	chr1	N/A	2	62.30
OSBPL7	16.66	chr17	17q21	30	105.96
GPR137C	16.65	chr14	14q22.1	21	181.44
LOC100505920	16.65	chr3	N/A	4	61.18
Hs.434298	16.65	chr13	N/A	4	31.67
LMO3	16.65	chr12	12p12.3	39	91.47
TESPA1	16.65	chr12	12q13.2	11	56.29
Hs.656115	16.65	chr11	N/A	5	19.90
Hs.578312	16.65	chr14	N/A	3	60.96
Hs.556072	16.64	chr14	N/A	8	101.70
Hs.259583	16.64	chr5	N/A	3	41.05
LINC00837	16.64	chr10	10p12.1	17	64.36
CBX2	16.64	chr17	17q25.3	37	116.68
CCNB1	16.64	chr5	5q12	33	63.57
EHMT1	16.64	chr9	9q34.3	65	73.38
Hs.562039	16.64	chrX	N/A	3	14.33
Hs.301898	16.64	chr20	N/A	24	68.44
LSR	16.63	chr19	19q13.12	34	66.56
TMED6	16.63	chr16	16q22.1	26	119.53
Hs.733886	16.63	chr6	N/A	1	0.00
Hs.544625	16.63	chr6	N/A	3	45.62
Hs.662399	16.63	chr8	N/A	15	82.48
Hs.730793	16.63	chr21	N/A	1	0.00
Hs.738097	16.63	chr12	N/A	3	12.55
HOXC4	16.63	chr12	12q13.3	114	105.07
Hs.584375	16.63	chrX	N/A	3	60.25
Hs.543436	16.63	chr4	N/A	3	50.82
PCDH9-AS3	16.62	chr13	N/A	5	71.45
GDAP2	16.62	chr1	1p12	70	99.00
Hs.541869	16.62	chr2	N/A	3	93.45
IFNA16	16.62	chr9	9p22	15	169.40
Hs.714878	16.62	chr6	N/A	8	62.46
Hs.604120	16.62	chr14	N/A	2	108.81
Hs.444059	16.62	chr11	N/A	4	21.51
EFCAB4B	16.62	chr12	12p13.32	31	108.14
Hs.666619	16.62	chr1	N/A	7	94.72
Hs.566819	16.62	chr8	N/A	3	32.18
LOC100996342	16.61	chr22	N/A	14	79.58
Hs.213472	16.61	chr11	N/A	3	87.91
CLEC1B	16.61	chr12	12p13.2	35	127.85
Hs.576906	16.61	chr10	N/A	3	64.04
Hs.702200	16.61	chr1	N/A	8	97.48
Hs.164708	16.61	chr16	N/A	11	34.86
Hs.616028	16.61	chr1	N/A	7	195.86
HMG5	16.61	chrX	Xq13.3	129	80.24
Hs.646603	16.61	chr13	N/A	9	76.63
FANCB	16.61	chrX	Xp22.2	25	66.31
APCDD1L	16.61	chr20	20q13.32	20	113.91
Hs.333693	16.60	chr2	N/A	3	25.56

OR5C1	16.60	chr9	9q33.2	8	95.11
Hs.664592	16.60	chr12	N/A	15	47.03
Hs.649474	16.60	chr1	N/A	3	81.37
Hs.639240	16.60	chr3	N/A	4	75.30
Hs.629601	16.60	chr17	N/A	1	0.00
FAM175A	16.60	chr4	4q21.23	140	88.10
Hs.545250	16.60	chr8	N/A	3	53.31
TLX2	16.60	chr2	2p13.1	50	207.60
STOX1	16.60	chr10	10q22.1	44	79.14
Hs.642965	16.59	chr1	N/A	17	76.16
Hs.233200	16.59	chr9	N/A	3	17.38
PMEL	16.59	chr12	12q13-q14	47	70.39
Hs.30895	16.59	chr9	N/A	3	98.38
Hs.545270	16.59	chr8	N/A	3	39.12
NLRP2	16.59	chr19	19q13.42	42	193.81
Hs.603759	16.59	chr8	N/A	16	77.44
PART1	16.59	chr5	5q12.1	61	98.93
Hs.617749	16.59	chr2	N/A	1	0.00
C1QTNF3	16.59	chr5	5p13	45	115.30
LOC619207	16.59	chr10	10q26.3	18	109.86
SIM1	16.58	chr6	6q16.3-q21	27	64.92
Hs.553168	16.58	chr9	N/A	1	0.00
Hs.637053	16.58	chr1	N/A	3	120.05
MSMP	16.58	chr9	9p13.3	3	62.99
Hs.557974	16.58	chr12	N/A	7	156.09
Hs.441742	16.58	chr12	N/A	3	45.15
Hs.662252	16.58	chr4	N/A	7	26.83
Hs.571035	16.58	chr6	N/A	5	71.44
Hs.148462	16.58	chrX	N/A	6	84.52
Hs.554016	16.57	chr1	N/A	1	0.00
Hs.124391	16.57	chr2	N/A	3	41.27
Hs.122864	16.57	chr2	N/A	3	83.44
Hs.666148	16.57	chr4	N/A	7	81.12
Hs.734355	16.57	chr11	N/A	2	47.75
Hs.563877	16.57	chr1	N/A	3	24.14
Hs.550956	16.57	chr2	N/A	3	28.48
Hs.572799	16.57	chr2	N/A	7	82.76
Hs.541605	16.57	chr2	N/A	3	30.80
ZNF527	16.56	chr19	19q13.1	15	50.85
UNC5D	16.56	chr8	8p12	24	150.26
Hs.711597	16.56	chr16	N/A	2	44.84
Hs.580784	16.56	chr20	N/A	3	39.92
OR6K2	16.56	chr1	1q23.1	13	48.37
Hs.299119	16.56	chr7	N/A	22	118.15
KANK4	16.56	chr1	1p31.3	18	129.79
TRAF4	16.56	chr17	17q11-q12	47	77.74
Hs.197070	16.56	chr2	N/A	3	89.07
Hs.666368	16.56	chr21	N/A	2	57.21
ZMYND10	16.56	chr3	3p21.3	35	86.93
SLC34A1	16.56	chr5	5q35	28	62.66
FAM86C1	16.55	chr11	11q13.4	52	97.71
DNAJB8	16.55	chr3	3q21.3	26	134.55
Hs.539135	16.55	chr12	N/A	3	69.37
LENG9	16.55	chr19	19q13.4	17	44.02
Hs.561291	16.55	chr4	N/A	3	40.20
KIF23	16.55	chr15	15q23	41	106.48
Hs.603310	16.55	chr20	N/A	1	0.00
NUDT10	16.55	chrX	Xp11.23	35	191.65
Hs.657388	16.55	chr4	N/A	8	52.43
Hs.508885	16.55	chr14	N/A	3	53.68
Hs.668279	16.55	chr2	N/A	1	0.00
AADAT	16.55	chr4	4q33	49	70.23
Hs.635548	16.54	chr6	N/A	3	66.69
Hs.663768	16.54	chr5	N/A	11	180.20
FAM27E1	16.54	chr9	9p11.2	3	98.84
DIEXF	16.54	chr1	1q32.2	80	89.17

Hs.603784	16.54	chr10	N/A	7	110.78
Hs.517224	16.54	chr21	N/A	3	55.90
Hs.201764	16.54	chr6	N/A	3	29.98
EDAR	16.54	chr2	2q13	28	124.64
PPP3R2	16.54	chr9	9q31.1	48	112.92
PSG2	16.53	chr19	19q13.1-q13.2	46	78.22
ATP8A2	16.53	chr13	13q12	74	192.95
CELSR1	16.53	chr22	22q13.3	43	80.32
Hs.25479	16.53	chr10	N/A	10	96.07
Hs.600886	16.53	chr2	N/A	7	73.52
Hs.653034	16.53	chr14	N/A	3	52.61
Hs.658738	16.53	chr12	N/A	11	56.28
LRP2	16.53	chr2	2q31.1	71	104.52
Hs.544497	16.53	chr6	N/A	3	35.81
HCRTR2	16.53	chr6	6p12	30	122.31
Hs.307912	16.52	chr18	N/A	3	84.18
Hs.444193	16.52	chr1	N/A	7	66.48
Hs.651967	16.52	chr10	N/A	7	44.09
Hs.659259	16.52	chr11	N/A	15	48.64
GALNTL5	16.52	chr7	7q36.1	29	200.43
C9orf171	16.52	chr9	9q34.13	10	96.82
MS4A14	16.52	chr11	11q12.2	29	193.44
KRTAP9-9	16.52	chr17	17q21.2	18	71.98
Hs.660353	16.52	chr6	N/A	4	54.09
Hs.472055	16.52	chr1	N/A	3	89.76
Hs.611035	16.52	chr4	N/A	3	81.21
Hs.543284	16.52	chr3	N/A	7	71.84
CPLX4	16.52	chr18	18q21.32	18	168.62
TRIM3	16.51	chr11	11p15.5	51	149.61
FAM215A	16.51	chr17	17q21.31	15	44.94
Hs.662963	16.51	chr1	N/A	2	116.22
Hs.160800	16.51	chr11	N/A	3	53.90
Hs.544561	16.51	chr6	N/A	3	36.06
Hs.253158	16.51	chr7	N/A	3	82.75
Hs.577039	16.50	chr11	N/A	4	76.74
Hs.516886	16.50	chr20	N/A	3	62.45
Hs.551332	16.50	chr7	N/A	1	0.00
Hs.551093	16.50	chr6	N/A	3	44.80
Hs.616980	16.50	chrX	N/A	3	61.05
Hs.633436	16.50	chr19	N/A	3	88.41
TGM6	16.50	chr20	20p13	9	58.58
Hs.550320	16.50	chr16	N/A	3	51.33
Hs.667222	16.50	chr12	N/A	3	53.23
Hs.544200	16.50	chr5	N/A	3	66.90
Hs.410743	16.50	chr13	N/A	3	36.88
MS4A15	16.49	chr11	11q12.2	18	117.21
HOXD3	16.49	chr2	2q31.1	33	128.42
ATP8B3	16.49	chr19	19p13.3	53	209.26
Hs.155579	16.49	chr4	N/A	4	89.92
ZNF554	16.49	chr19	19p13.3	20	53.81
Hs.223795	16.49	chr5	N/A	7	79.33
Hs.269528	16.49	chr3	N/A	8	69.02
Hs.660309	16.49	chr11	N/A	11	171.18
Hs.474880	16.49	chr22	N/A	12	93.57
DLGAP5	16.49	chr14	14q22.3	37	97.18
Hs.186848	16.49	chr5	N/A	20	58.67
PRDM16	16.49	chr1	1p36.23-p33	54	134.87
Hs.695151	16.49	chr13	N/A	7	56.85
Hs.666891	16.48	chr8	N/A	16	102.41
Hs.562839	16.48	chr19	N/A	3	51.92
ZNF814	16.48	chr19	19q13.43	46	85.90
LOC101059937	16.48	chr3	N/A	2	110.17
SNORD32A	16.48	chr19	19q13.3	3	31.34
C3orf58	16.48	chr3	3q24	35	112.43
Hs.656922	16.48	chr3	N/A	1	0.00
SNORA71A	16.48	chr20	20q11.23	2	80.91

Hs.659922	16.48	chr2	N/A	7	55.87
Hs.609130	16.48	chr9	N/A	1	0.00
Hs.622909	16.48	chr8	N/A	3	78.27
Hs.741629	16.48	chr15	N/A	7	83.23
Hs.650142	16.48	chr7	N/A	3	79.54
SH2D4A	16.47	chr8	8p21.2	35	93.24
Hs.596723	16.47	chr14	N/A	3	52.72
Hs.656981	16.47	chr17	N/A	7	77.83
NAV2-AS4	16.47	chr11	11p15.1	4	128.23
CYP3A7	16.47	chr7	7q21-q22.1	59	161.60
Hs.97312	16.47	chr20	N/A	10	78.83
LINC00445	16.47	chr13	N/A	1	0.00
Hs.110524	16.46	chr4	N/A	7	75.24
Hs.98028	16.46	chr11	N/A	1	0.00
Hs.734099	16.46	chr1	N/A	7	63.81
SLITRK1	16.46	chr13	13q31.1	39	141.39
STAMBPL1	16.46	chr10	10q23.31	46	106.21
CILP2	16.46	chr19	19p13.11	27	92.13
C1QTNF9	16.46	chr13	13q12.12	25	69.24
Hs.581438	16.46	chr5	N/A	2	0.09
Hs.569281	16.46	chr13	N/A	3	75.87
Hs.656165	16.46	chr2	N/A	16	84.93
Hs.668090	16.45	chr13	N/A	2	105.97
Hs.542348	16.45	chr20	N/A	3	99.27
EAF1	16.45	chr3	3p25.1	46	87.58
RACGAP1	16.45	chr12	12q13.12	34	62.68
Hs.599557	16.45	chr12	N/A	7	52.94
DNAJC6	16.45	chr1	1p31.3	48	302.43
Hs.566414	16.45	chr5	N/A	3	76.74
Hs.655597	16.45	chr3	N/A	7	88.32
Hs.603294	16.45	chr7	N/A	10	26.36
SLC19A1	16.45	chr21	21q22.3	52	111.83
ANKRD13D	16.45	chr11	11q13.2	64	87.60
SNORD64	16.44	chr15	15q12	3	80.70
Hs.578070	16.44	chr13	N/A	3	46.71
MB21D1	16.44	chr6	6q13	28	99.34
Hs.664492	16.44	chr5	N/A	4	56.45
Hs.444405	16.44	chr4	N/A	11	58.98
NPAT	16.44	chr11	11q22-q23	50	105.13
NR2F1-AS1	16.44	chr5	5q15	54	174.65
Hs.720769	16.44	chr10	N/A	1	0.00
SPINT1	16.44	chr15	15q15.1	38	102.43
KLHL15	16.43	chrX	Xp22.1-p21	38	67.64
Hs.715059	16.43	chr11	N/A	3	78.18
Hs.561268	16.43	chr4	N/A	3	27.28
Hs.635129	16.43	chr9	N/A	2	39.23
Hs.658570	16.43	chr14	N/A	2	94.48
FCRLA	16.43	chr1	1q23.3	45	239.13
Hs.552560	16.43	chr8	N/A	3	41.36
Hs.127344	16.43	chr2	N/A	17	95.12
GLT1D1	16.43	chr12	12q24.33	28	111.94
Hs.540192	16.43	chr15	N/A	3	47.62
ASAH2B	16.43	chr10	10q11.23	10	49.85
HNF4G	16.43	chr8	8q21.11	55	165.63
KRT17	16.42	chr17	17q21.2	42	137.77
LOC100652770	16.42	chr18	N/A	27	85.92
Hs.604033	16.42	chr4	N/A	7	131.13
TRDV3	16.42	chr14	14q11	1	0.00
HIST1H2AA	16.42	chr6	6p22.2	20	107.20
LPHN3	16.42	chr4	4q13.1	56	267.93
Hs.659471	16.42	chr15	N/A	8	51.14
Hs.634483	16.42	chr21	N/A	10	98.67
Hs.594896	16.42	chr6	N/A	18	182.65
Hs.656732	16.42	chr1	N/A	4	102.65
LOC100507460	16.42	chr2	2q21	14	56.52
Hs.561322	16.42	chr4	N/A	3	54.21

Hs.665245	16.42	chr13	N/A	1	0.00
Hs.667765	16.42	chr15	N/A	8	83.44
Hs.734462	16.42	chr12	N/A	3	38.42
CSNK1G1	16.42	chr15	15q22.1-q22.31	71	101.03
Hs.602595	16.41	chr3	N/A	2	32.99
Hs.624297	16.41	chr7	N/A	10	44.57
Hs.658380	16.41	chr7	N/A	5	68.99
Hs.127539	16.41	chr6	N/A	3	59.63
Hs.617801	16.41	chr10	N/A	10	28.82
Hs.253717	16.41	chr18	N/A	3	32.57
ZNF397	16.41	chr18	18q12.2	39	69.84
Hs.559000	16.41	chr1	N/A	26	138.87
Hs.577840	16.41	chr13	N/A	3	80.75
Hs.127840	16.40	chrX	N/A	7	102.01
Hs.593943	16.40	chr5	N/A	2	22.22
Hs.693755	16.40	chr21	N/A	3	7.60
Hs.130203	16.40	chr4	N/A	10	64.98
GABPB1-AS1	16.40	chr15	15q21.2	26	69.52
EXO1	16.40	chr1	1q42-q43	126	210.67
Hs.147630	16.39	chr15	N/A	2	8.33
ZNF284	16.39	chr19	19q13.31	26	72.54
VAV3	16.39	chr1	1p13.3	57	142.68
Hs.131627	16.39	chr5	N/A	2	46.38
ZBTB20-AS1	16.39	chr3	3q13.31	11	33.55
Hs.670544	16.39	chrY	N/A	1	0.00
Hs.117115	16.39	chr22	N/A	10	76.46
Hs.566494	16.39	chr6	N/A	3	42.33
Hs.582046	16.39	chr4	N/A	3	71.59
C1orf177	16.39	chr1	1p32.3	18	59.52
EPB41L4B	16.38	chr9	9q31-q32	104	84.08
TBC1D2	16.38	chr9	9q22.33	25	90.71
NOM1	16.38	chr7	7q36.3	23	125.22
Hs.634625	16.38	chr12	N/A	7	61.41
SMAD5-AS1	16.38	chr5	5q31.1	20	79.09
OR6Y1	16.38	chr1	1q23.1	16	76.08
Hs.556090	16.38	chr13	N/A	8	114.88
Hs.543696	16.38	chr4	N/A	3	52.19
TAAR1	16.38	chr6	6q23.2	22	88.99
RUSC1-AS1	16.38	chr1	1q22	38	83.20
Hs.252588	16.38	chr18	N/A	1	0.00
ALOX15	16.37	chr17	17p13.3	42	92.87
Hs.543596	16.37	chr4	N/A	3	55.65
Hs.662582	16.37	chr13	N/A	17	123.37
Hs.537502	16.37	chr11	N/A	3	41.48
Hs.129478	16.37	chr1	N/A	10	125.09
LOC399829	16.37	chr10	10q26.3	3	41.69
Hs.633390	16.37	chr7	N/A	1	0.00
ZNF557	16.37	chr19	19p13.2	27	101.78
CYP27B1	16.37	chr12	12q13.1-q13.3	30	58.55
Hs.729462	16.37	chr14	N/A	8	67.47
BMPR1B	16.37	chr4	4q22-q24	59	108.81
Hs.559153	16.37	chr10	N/A	1	0.00
LOC100506105	16.37	chr16	N/A	9	37.02
Hs.202140	16.36	chr8	N/A	3	64.08
GRID1-AS1	16.36	chr10	N/A	4	67.55
Hs.538651	16.36	chr10	N/A	3	105.28
SIX4	16.36	chr14	14q23	35	104.60
Hs.98945	16.36	chr14	N/A	18	66.93
ZUFSP	16.36	chr6	6q22.1	28	60.65
TRIM67	16.36	chr1	1q42.2	13	121.03
Hs.663425	16.36	chr6	N/A	1	0.00
Hs.720931	16.36	chr7	N/A	7	57.84
PDZD3	16.36	chr11	11q23.3	39	125.66
Hs.543396	16.36	chr4	N/A	3	77.37
GLRA2	16.36	chrX	Xp22.2	30	110.48
Hs.635043	16.35	chr5	N/A	7	64.90

C1QTNF8	16.35	chr16	16p13.3	6	70.45
DHDH	16.35	chr19	19q13.3	29	121.05
TTLL9	16.35	chr20	20q11.21	11	95.70
ASB9	16.35	chrX	Xp22.2	33	87.88
Hs.116301	16.35	chr17	N/A	4	64.55
Hs.568956	16.35	chr11	N/A	5	163.00
DCAF15	16.35	chr19	19p13.12	50	95.49
Hs.537131	16.35	chr11	N/A	7	178.37
UCMA	16.35	chr10	10p13	19	57.66
Hs.439805	16.35	chr9	N/A	3	62.84
Hs.544576	16.35	chr6	N/A	3	61.23
Hs.577221	16.35	chr11	N/A	3	68.33
PABPC1L2B	16.35	chrX	Xq13.2	14	46.69
DPCR1	16.35	chr6	6p21.33	28	141.26
KIAA1107	16.34	chr1	1p22.1	48	252.31
Hs.263209	16.34	chr18	N/A	18	293.66
Hs.584187	16.34	chr9	N/A	3	43.23
LOC100505564	16.34	chr16	N/A	11	40.24
TXNDC16	16.34	chr14	14q22.1	23	60.00
OR51F2	16.34	chr11	11p15.4	11	132.08
OR4P4	16.34	chr11	11q12.1	3	69.20
Hs.651630	16.33	chr11	N/A	7	131.60
LINC00650	16.33	chr21	21q22.11	3	65.42
Hs.663061	16.33	chr1	N/A	5	113.17
Hs.666644	16.33	chr11	N/A	2	44.72
Hs.564561	16.33	chr13	N/A	3	54.87
Hs.148299	16.33	chr16	N/A	3	48.99
SLC10A6	16.33	chr4	4q21.3	9	160.31
Hs.156949	16.33	chr10	N/A	3	77.13
Hs.544140	16.33	chr5	N/A	3	57.97
Hs.195634	16.33	chr6	N/A	3	59.32
Hs.566882	16.32	chr8	N/A	3	14.84
KCTD13	16.32	chr16	16p11.2	40	98.73
Hs.542606	16.32	chr21	N/A	3	110.13
ROBO1	16.32	chr3	3p12	68	125.09
Hs.656324	16.32	chr8	N/A	7	74.01
Hs.733998	16.32	chr1	N/A	2	109.80
Hs.714504	16.32	chr6	N/A	1	0.00
Hs.49132	16.32	chr14	N/A	20	58.53
Hs.159770	16.32	chr12	N/A	3	42.12
Hs.596116	16.32	chr5	N/A	7	57.00
Hs.644773	16.32	chr5	N/A	21	80.75
FAM186B	16.31	chr12	12q13.12	17	68.64
Hs.545519	16.31	chr8	N/A	3	43.76
LOC100506810	16.31	chr1	1q42-q43	3	113.28
Hs.633191	16.31	chr20	N/A	4	74.92
NS3BP	16.31	chr11	11p15.5	11	165.39
Hs.736439	16.31	chr6	N/A	10	53.13
Hs.729494	16.31	chrX	N/A	4	50.42
Hs.720329	16.31	chr5	N/A	22	96.33
Hs.603275	16.30	chr12	N/A	10	172.88
KRT2	16.30	chr12	12q13.13	23	114.18
Hs.579256	16.30	chr17	N/A	3	52.63
ANKRD33B	16.30	chr5	5p15.2	26	80.89
Hs.339592	16.30	chr8	N/A	3	55.82
PGA5	16.30	chr11	11q13	25	58.29
POU2AF1	16.30	chr11	11q23.1	30	72.74
IFNG	16.30	chr12	12q14	52	98.56
CPXM1	16.30	chr20	20p13	24	71.29
LOC157381	16.30	chr8	8q24.13	5	124.26
Hs.720373	16.30	chr8	N/A	8	74.89
LINC00482	16.30	chr17	17q25.3	27	55.33
LOC100507109	16.30	chr11	N/A	4	111.99
Hs.684139	16.29	chr17	N/A	1	0.00
Hs.618932	16.29	chr13	N/A	3	16.73
Hs.655418	16.29	chr4	N/A	7	111.09

Hs.697228	16.29	chr11	N/A	8	46.83
Hs.345694	16.29	chr2	N/A	3	113.44
FAM118A	16.29	chr22	22q13	46	66.88
Hs.583741	16.29	chr12	N/A	2	45.63
Hs.584249	16.29	chr9	N/A	3	30.42
GATA5	16.29	chr20	20q13.33	29	108.48
CCRL2	16.29	chr3	3p21	37	87.62
UPK1A	16.28	chr19	19q13.13	32	47.34
Hs.520253	16.28	chr6	N/A	3	71.58
Hs.565011	16.28	chr17	N/A	3	41.21
FOXD2	16.28	chr1	1p34-p32	33	48.41
KIAA1804	16.28	chr1	1q42	53	146.66
Hs.649902	16.28	chr4	N/A	3	8.89
Hs.650046	16.28	chr11	N/A	1	0.00
Hs.683385	16.28	chr5	N/A	1	0.00
DEFB103A	16.28	chr8	8p23.1	25	168.50
AARD	16.28	chr8	8q24.11	13	39.48
Hs.693201	16.28	chrX	N/A	3	35.72
Hs.206943	16.28	chr8	N/A	2	63.41
Hs.565975	16.28	chr3	N/A	3	62.94
Hs.562130	16.28	chr1	N/A	3	89.07
Hs.334040	16.27	chr2	N/A	3	56.76
LOC100507516	16.27	chr8	N/A	8	90.72
Hs.570311	16.27	chr2	N/A	1	0.00
Hs.737551	16.27	chr11	N/A	1	0.00
Hs.545348	16.27	chr8	N/A	3	68.68
Hs.662784	16.26	chr1	N/A	10	35.93
TIGD3	16.26	chr11	11q13.1	26	123.12
Hs.664733	16.26	chr6	N/A	3	86.24
Hs.603500	16.26	chr10	N/A	3	117.29
Hs.584808	16.26	chr6	N/A	7	73.03
HTR1B	16.26	chr6	6q13	25	76.73
METTL15	16.26	chr11	11p14.1	48	107.55
GAD2	16.26	chr10	10p11.23	43	142.02
LOC100996658	16.26	chr20	N/A	13	222.52
Hs.732641	16.25	chr15	N/A	2	84.56
ZNF519	16.25	chr18	18p11.21	27	151.44
Hs.570460	16.25	chr22	N/A	3	59.45
Hs.606341	16.25	chr6	N/A	10	20.31
HOXB-AS5	16.24	chr17	17q21.3	4	47.95
Hs.434577	16.24	chr19	N/A	1	0.00
Hs.121185	16.24	chr5	N/A	3	94.92
Hs.582692	16.24	chr6	N/A	3	59.04
FER	16.24	chr5	5q21	35	54.83
Hs.569052	16.24	chr11	N/A	3	60.83
Hs.537658	16.24	chr1	N/A	3	46.03
Hs.196134	16.24	chrX	N/A	4	78.46
LOC642426	16.24	chr14	14q11.1	4	55.02
Hs.592798	16.24	chr5	N/A	1	0.00
ABCA4	16.23	chr1	1p22	31	106.19
Hs.657846	16.23	chr3	N/A	6	45.81
ABCC11	16.23	chr16	16q12.1	31	121.29
Hs.488237	16.23	chr1	N/A	5	57.76
Hs.660590	16.23	chr2	N/A	7	112.98
Hs.539912	16.23	chr14	N/A	3	13.15
Hs.127887	16.23	chr19	N/A	3	139.41
Hs.588323	16.23	chr7	N/A	3	34.50
KHDC1	16.23	chr6	6q13	54	86.38
TBC1D24	16.23	chr16	16p13.3	35	83.84
Hs.656907	16.23	chr4	N/A	1	0.00
CDKL4	16.23	chr2	2p22.1	6	115.16
HYMAI	16.23	chr6	6q24.2	8	38.05
PGLYRP1	16.22	chr19	19q13.2-q13.3	33	76.51
MSI1	16.22	chr12	12q24	32	76.25
Hs.574237	16.22	chr15	N/A	3	114.54
Hs.576883	16.22	chr10	N/A	10	79.79

Hs.537814	16.22	chr1	N/A	3	26.99
Hs.658657	16.22	chr2	N/A	1	0.00
LOC100507501	16.22	chr16	N/A	4	72.33
Hs.666679	16.22	chrX	N/A	1	0.00
Hs.735507	16.22	chr2	N/A	1	0.00
Hs.578976	16.22	chr16	N/A	3	28.94
DERL3	16.22	chr22	22q11.23	44	68.89
DBX2	16.22	chr12	12q12	21	126.48
ZNF443	16.22	chr19	19p13.2	23	87.30
BTNL3	16.22	chr5	5q35.3	42	145.16
RASGRP1	16.21	chr15	15q14	71	161.76
Hs.661681	16.21	chr1	N/A	5	43.23
ZNF408	16.21	chr11	11p11.2	28	104.25
ZNF280B	16.21	chr22	22q11.22	46	64.87
HMGCLL1	16.21	chr6	6p12.1	30	64.76
GRIA1	16.21	chr5	5q31.1	39	271.89
Hs.133020	16.21	chr7	N/A	15	91.68
FOXD1	16.21	chr5	5q12-q13	47	80.38
Hs.601001	16.21	chr6	N/A	8	18.09
FLJ38576	16.21	chr4	4q35.2	14	43.49
Hs.601628	16.21	chr9	N/A	8	87.07
Hs.544873	16.21	chr7	N/A	3	56.51
Hs.476231	16.21	chr3	N/A	14	93.80
Hs.560070	16.21	chr12	N/A	3	47.92
Hs.666489	16.21	chr10	N/A	3	80.85
Hs.581519	16.20	chr3	N/A	3	46.95
Hs.633018	16.20	chr1	N/A	7	118.34
XKR7	16.20	chr20	20q11.21	8	80.01
SERAC1	16.20	chr6	6q25.3	32	86.36
C8orf44	16.20	chr8	8q13.1	21	41.97
Hs.541818	16.20	chr2	N/A	3	79.39
Hs.602187	16.20	chr2	N/A	3	38.33
Hs.737337	16.20	chr7	N/A	3	20.24
ACSBG2	16.20	chr19	19p13.3	28	108.51
Hs.572141	16.20	chr12	N/A	3	33.83
Hs.656049	16.20	chr10	N/A	7	129.47
SLC15A1	16.20	chr13	13q32.3	53	160.46
LINC00673	16.19	chr17	N/A	23	95.57
Hs.658232	16.19	chr5	N/A	4	36.38
C17orf82	16.19	chr17	17q23.2	4	50.81
Hs.737472	16.19	chr3	N/A	1	0.00
Hs.147470	16.19	chr12	N/A	1	0.00
Hs.509554	16.19	chr14	N/A	1	0.00
LINC00421	16.19	chr13	13q12.11	10	194.54
T	16.19	chr6	6q27	47	85.78
Hs.565630	16.19	chr20	N/A	3	53.14
LCE1E	16.19	chr1	1q21.3	21	179.57
Hs.525445	16.19	chr14	N/A	15	72.75
Hs.632919	16.18	chr1	N/A	7	93.09
SUV39H2	16.18	chr10	10p13	40	122.13
Hs.603787	16.18	chr2	N/A	2	57.98
Hs.604307	16.18	chr2	N/A	7	65.28
LOC286238	16.18	chr9	9q22.1	1	0.00
Hs.210441	16.18	chr11	N/A	3	43.12
Hs.562612	16.18	chr15	N/A	3	61.78
Hs.560741	16.18	chr2	N/A	4	47.79
OR13C5	16.18	chr9	9q31.1	5	58.88
KRTAP10-9	16.18	chr21	21q22.3	6	62.29
Hs.661976	16.18	chr10	N/A	1	0.00
Hs.656423	16.17	chr22	N/A	1	0.00
Hs.186379	16.17	chr5	N/A	3	92.09
Hs.551058	16.17	chr5	N/A	3	58.06
ZNF385B	16.17	chr2	2q31.2-q31.3	73	137.78
Hs.560639	16.17	chr19	N/A	3	45.01
KIR2DL1	16.17	chr19	19q13.4	54	88.90
SLFNL1	16.17	chr1	1p34.2	53	188.33

Hs.172751	16.17	chr7	N/A	10	63.84
WNK3	16.17	chrX	Xp11.22	58	214.73
Hs.735278	16.16	chr5	N/A	1	0.00
Hs.664138	16.16	chr10	N/A	7	45.37
CCDC11	16.16	chr18	18q21.1	24	191.60
Hs.600611	16.16	chr20	N/A	1	0.00
Hs.544018	16.16	chr5	N/A	3	41.11
LOC100506775	16.16	chr1	N/A	3	65.07
CACNA1F	16.16	chrX	Xp11.23	23	135.35
LOC100289019	16.16	chr9	9q34.11	1	0.00
Hs.537769	16.16	chr1	N/A	3	84.78
KCNJ14	16.16	chr19	19q13	24	76.51
Hs.635744	16.16	chr13	N/A	3	42.01
Hs.521359	16.16	chr8	N/A	3	54.54
Hs.127462	16.16	chr3	N/A	3	32.84
IGFL2	16.16	chr19	19q13.32	26	90.80
Hs.539795	16.16	chr13	N/A	3	29.44
Hs.556885	16.15	chr10	N/A	3	39.24
GPR180	16.15	chr13	13q32.1	64	87.20
HGFAC	16.15	chr4	4p16	23	147.78
Hs.715871	16.15	chr1	N/A	1	0.00
Hs.584800	16.15	chrX	N/A	8	104.81
Hs.575928	16.15	chr1	N/A	3	96.88
Hs.29546	16.15	chr20	N/A	11	75.54
OR10J1	16.15	chr1	1q23.2	24	87.48
AMIGO3	16.15	chr3	3p21	13	75.79
Hs.135492	16.14	chr5	N/A	7	72.98
Hs.597445	16.14	chrX	N/A	7	32.60
Hs.732657	16.14	chr1	N/A	7	84.57
Hs.292204	16.14	chr10	N/A	3	92.18
FAM194A	16.14	chr3	3q25.1	26	117.19
Hs.565629	16.14	chr20	N/A	3	42.51
Hs.599713	16.14	chr19	N/A	7	56.30
ITGB2-AS1	16.14	chr21	N/A	19	55.29
ZBED4	16.14	chr22	22q13.33	63	104.91
CHRM5	16.14	chr15	15q26	28	103.34
DOCK8	16.14	chr9	9p24.3	61	85.94
LCTL	16.14	chr15	15q22.31	9	55.84
A1BG-AS1	16.14	chr19	19q13.4	11	162.58
Hs.660917	16.13	chr2	N/A	14	46.44
Hs.665285	16.13	chr2	N/A	7	197.68
Hs.594910	16.13	chr10	N/A	10	31.79
KIR3DL3	16.13	chr19	19q13.42	26	119.36
Hs.659380	16.13	chr2	N/A	1	0.00
ZNF175	16.13	chr19	19q13.4	39	78.59
Hs.527438	16.13	chr8	N/A	3	43.07
Hs.634042	16.13	chr1	N/A	8	111.22
ZNF707	16.13	chr8	8q24.3	26	73.41
GPATCH2	16.13	chr1	1q41	66	74.46
Hs.600643	16.12	chr4	N/A	7	167.84
CDY2B	16.12	chrY	Yq11.222	3	50.12
Hs.576801	16.12	chr10	N/A	3	85.19
Hs.670240	16.12	chr8	N/A	1	0.00
KCNJ16	16.12	chr17	17q24.3	32	112.93
Hs.540275	16.12	chr15	N/A	3	62.02
Hs.163027	16.12	chr8	N/A	4	61.37
Hs.663159	16.12	chr9	N/A	1	0.00
LOC100131170	16.12	chr17	17q25.3	21	58.03
CALY	16.12	chr10	10q26.3	21	89.19
LOC100505918	16.12	chr1	1q23-q24	8	85.50
ZNF280A	16.12	chr22	22q11.22	23	104.79
FEM1B	16.12	chr15	15q22	20	110.92
Hs.130048	16.12	chr8	N/A	17	88.95
Hs.196600	16.11	chr13	N/A	3	59.51
Hs.539440	16.11	chr12	N/A	3	63.17
RNF166	16.11	chr16	16q24.3	30	60.14

POLH	16.11	chr6	6p21.1	58	98.85
Hs.126365	16.11	chr9	N/A	12	75.30
Hs.560503	16.11	chr17	N/A	3	66.20
Hs.658742	16.11	chr10	N/A	7	65.24
Hs.677040	16.11	chr15	N/A	1	0.00
ZFP41	16.11	chr8	8q24.3	33	131.93
Hs.638014	16.11	chr6	N/A	3	31.42
Hs.323768	16.11	chr13	N/A	3	117.67
GPR64	16.10	chrX	Xp22.13	50	103.46
PSG1	16.10	chr19	19q13.2	54	104.98
Hs.543027	16.10	chr3	N/A	3	63.92
Hs.661114	16.10	chr3	N/A	9	84.17
Hs.562608	16.10	chr15	N/A	3	21.85
Hs.564962	16.09	chr16	N/A	3	74.38
Hs.720607	16.09	chr22	N/A	3	90.10
CTTNBP2NL	16.09	chr1	1p13.2	67	76.15
SERHL2	16.09	chr22	22q13	31	59.19
ZNF286A	16.09	chr17	17p11.2	48	72.70
Hs.572742	16.09	chr2	N/A	3	70.75
RNFT2	16.09	chr12	12q24.22	55	175.37
Hs.613732	16.09	chr3	N/A	10	107.57
FGF21	16.09	chr19	19q13.33	26	132.28
Hs.675197	16.09	chr14	N/A	1	0.00
Hs.544521	16.09	chr6	N/A	3	72.51
FER1L6-AS1	16.09	chr8	8q24.13	15	34.78
Hs.640198	16.09	chr2	N/A	3	75.72
Hs.551803	16.09	chr9	N/A	3	66.17
Hs.555589	16.09	chr21	N/A	3	22.50
PSMG3-AS1	16.09	chr7	7p22.3	35	78.53
Hs.274878	16.08	chr2	N/A	5	81.99
AGPAT4	16.08	chr6	6q26	65	91.58
Hs.673510	16.08	chr9	N/A	1	0.00
Hs.577503	16.08	chr12	N/A	3	42.11
Hs.258510	16.08	chr6	N/A	3	40.28
Hs.590898	16.08	chr2	N/A	19	99.30
GSC	16.08	chr14	14q32.1	29	183.80
ST3GAL6-AS1	16.08	chr3	N/A	10	43.58
Hs.660126	16.08	chr11	N/A	7	108.04
Hs.92993	16.08	chr18	N/A	10	66.58
C19orf18	16.08	chr19	19q13.43	24	46.13
Hs.308202	16.08	chr5	N/A	4	62.97
Hs.660349	16.07	chr12	N/A	7	68.92
Hs.543138	16.07	chr3	N/A	3	33.15
Hs.662548	16.07	chr7	N/A	3	37.91
IGFN1	16.07	chr1	1q32.1	29	80.71
Hs.539714	16.07	chr13	N/A	14	82.51
ST8SIA4	16.07	chr5	5q21	72	79.14
CLSPN	16.07	chr1	1p34.2	41	157.28
KATNAL2	16.07	chr18	18q21.1	38	113.57
OR2B11	16.07	chr1	1q44	8	58.78
GALNT14	16.06	chr2	2p23.1	21	52.32
Hs.662849	16.06	chr8	N/A	7	116.62
Hs.538864	16.06	chr11	N/A	3	41.86
Hs.730666	16.06	chr12	N/A	7	88.28
ZNF287	16.06	chr17	17p11.2	45	116.53
Hs.142866	16.06	chr16	N/A	10	72.91
Hs.542980	16.06	chr3	N/A	3	44.92
Hs.734129	16.06	chr5	N/A	7	79.68
Hs.492187	16.06	chr8	N/A	14	57.29
GDNF	16.06	chr5	5p13.1-p12	72	155.98
Hs.659753	16.06	chr7	N/A	7	96.21
Hs.88605	16.05	chr2	N/A	1	0.00
OR2A25	16.05	chr7	7q35	13	41.36
Hs.380132	16.05	chr15	N/A	21	73.00
HDAC9	16.05	chr7	7p21.1	115	116.34
IGFL3	16.05	chr19	19q13.32	9	57.24

Hs.563599	16.05	chr9	N/A	3	62.56
Hs.667842	16.05	chr10	N/A	3	101.28
Hs.536623	16.05	chr6	N/A	3	110.05
ZNF720	16.05	chr16	16p11.2	49	85.21
OR10R2	16.05	chr1	1q23.1	18	159.83
GPSM2	16.05	chr1	1p13.3	77	141.99
Hs.581101	16.04	chr22	N/A	3	73.00
HUS1B	16.04	chr6	6p25.3	30	77.97
Hs.252866	16.04	chr18	N/A	1	0.00
DFNB31	16.04	chr9	9q32	46	135.44
Hs.552496	16.04	chr20	N/A	3	34.00
Hs.656206	16.04	chr14	N/A	7	57.83
Hs.613677	16.04	chr16	N/A	1	0.00
Hs.126691	16.04	chr22	N/A	2	92.87
LOC100507487	16.04	chr4	N/A	18	56.50
Hs.554798	16.03	chr22	N/A	3	9.80
Hs.538841	16.03	chr11	N/A	3	47.79
Hs.468769	16.03	chr2	N/A	7	39.53
NOX5	16.03	chr15	15q23	48	77.20
ZFR2	16.03	chr19	19p13.3	35	79.31
Hs.542053	16.03	chr2	N/A	3	31.14
Hs.597622	16.03	chr21	N/A	8	66.72
KCNF1	16.03	chr2	2p25	30	104.06
PRAMEF5	16.03	chr1	1p36.21	9	51.69
Hs.577143	16.03	chr11	N/A	3	57.57
MFI2	16.03	chr3	3q28-q29	59	64.82
THSD7A	16.03	chr7	7p21.3	73	195.23
Hs.263478	16.03	chr6	N/A	5	37.94
SDCBP2	16.03	chr20	20p13	33	78.43
CAMP	16.02	chr3	3p21.3	30	100.83
WDR67	16.02	chr8	8q24.13	43	94.45
Hs.353697	16.02	chr4	N/A	3	34.95
LOC100506944	16.02	chr3	N/A	5	24.10
Hs.657062	16.02	chr1	N/A	16	65.99
Hs.565708	16.02	chr20	N/A	3	47.17
Hs.98632	16.02	chr15	N/A	3	73.11
Hs.657645	16.02	chr21	N/A	2	23.60
FCRL1	16.02	chr1	1q21-q22	29	203.34
MAGEA9B	16.02	chrX	Xq28	16	74.48
Hs.603392	16.02	chr18	N/A	3	79.02
Hs.554701	16.02	chr21	N/A	3	58.46
Hs.664921	16.02	chr10	N/A	1	0.00
Hs.572132	16.02	chr11	N/A	3	69.40
GPRIN1	16.02	chr5	5q35.2	25	94.17
Hs.195315	16.02	chr4	N/A	3	46.13
Hs.162727	16.01	chr4	N/A	3	31.53
Hs.39001	16.01	chr2	N/A	7	79.13
Hs.150399	16.01	chr6	N/A	7	109.57
CHAF1B	16.01	chr21	21q22.13	120	157.00
Hs.562638	16.01	chr16	N/A	3	75.97
LOC100132147	16.01	chr1	1p36.13	28	82.62
Hs.602706	16.01	chr7	N/A	7	95.32
Hs.668810	16.00	chr8	N/A	3	22.17
Hs.171274	16.00	chr18	N/A	3	55.59
CHSY3	16.00	chr5	5q23.3	20	96.61
FOLH1	16.00	chr11	11p11.2	65	115.98
Hs.735250	16.00	chr2	N/A	3	47.51
TTY17A	16.00	chrY	Yq11.2	9	81.71
Hs.432394	16.00	chr8	N/A	14	81.26
C21orf37	16.00	chr21	21q21.1	17	84.76
Hs.542738	16.00	chr22	N/A	3	37.74
CHRM4	15.99	chr11	11p12-p11.2	23	89.72
SERPINA9	15.99	chr14	14q32.13	17	89.32
SCRT1	15.99	chr8	8q24.3	48	104.39
Hs.445342	15.99	chr4	N/A	4	63.40
GPM6A	15.99	chr4	4q34	52	131.14

Hs.593688	15.99	chr1	N/A	1	0.00
PHLPP1	15.99	chr18	18q21.33	55	99.27
CXorf36	15.98	chrX	Xp11.3	81	68.57
PURG	15.98	chr8	8p11	42	205.05
MAGEA11	15.98	chrX	Xq28	37	110.34
Hs.563977	15.98	chr1	N/A	3	58.41
Hs.542842	15.98	chr3	N/A	3	25.37
PBOV1	15.98	chr6	6q23.3	25	72.65
Hs.124597	15.98	chr11	N/A	8	137.84
Hs.528883	15.98	chr17	N/A	3	13.89
LOC729164	15.98	chr2	2q13	18	69.49
Hs.538115	15.98	chr1	N/A	10	90.52
MS4A1	15.98	chr11	11q12	53	88.29
Hs.634385	15.98	chr17	N/A	6	68.06
ICA1L	15.98	chr2	2q33.2	75	112.30
PROL1	15.97	chr4	4q13.3	23	112.90
Hs.597233	15.97	chr10	N/A	7	84.35
Hs.660609	15.97	chr19	N/A	10	24.70
WNT5B	15.97	chr12	12p13.3	40	109.21
Hs.720000	15.97	chr15	N/A	8	95.53
ZSCAN16	15.97	chr6	6p22.1	31	79.97
LOC729915	15.97	chr5	5p13.2	2	53.61
RECQL4	15.97	chr8	8q24.3	31	108.98
NR2E1	15.97	chr6	6q21	26	138.72
Hs.536451	15.97	chr17	N/A	3	75.49
SHANK2	15.97	chr11	11q13.2	82	143.01
Hs.656561	15.97	chr8	N/A	8	60.81
ALG10	15.97	chr12	12p11.1	27	115.17
Hs.475602	15.97	chr3	N/A	10	90.88
Hs.561046	15.97	chr21	N/A	3	40.74
Hs.574347	15.96	chr16	N/A	3	70.01
CLEC4D	15.96	chr12	12p13.31	20	212.52
Hs.146629	15.96	chr16	N/A	3	111.23
RIMS1	15.96	chr6	6q12-q13	40	212.57
Hs.734216	15.96	chr7	N/A	1	0.00
Hs.659023	15.96	chr2	N/A	8	98.17
Hs.594292	15.96	chr5	N/A	7	55.36
Hs.657221	15.96	chr5	N/A	7	85.84
SPOCD1	15.96	chr1	1p35.2	37	100.36
Hs.661733	15.96	chr3	N/A	1	0.00
Hs.511714	15.96	chr7	N/A	5	52.61
Hs.536125	15.96	chr1	N/A	8	86.19
Hs.582949	15.96	chr6	N/A	3	58.88
Hs.166647	15.96	chr3	N/A	7	171.58
Hs.369935	15.96	chr15	N/A	11	93.89
UGT2A1	15.95	chr4	4q13	26	49.44
KRTAP3-3	15.95	chr17	17q12-q21	16	53.63
PHF7	15.95	chr3	3p21.1	51	101.17
LINC00029	15.95	chr20	20q13.33	19	70.08
Hs.665215	15.95	chr4	N/A	5	42.77
Hs.565939	15.95	chr3	N/A	3	58.45
Hs.641696	15.94	chr14	N/A	3	28.45
Hs.656512	15.94	chr13	N/A	18	81.10
RND2	15.94	chr17	17q21	42	119.76
Hs.667420	15.94	chr1	N/A	1	0.00
Hs.515176	15.94	chr17	N/A	7	85.40
Hs.637022	15.94	chr5	N/A	1	0.00
Hs.551204	15.94	chr12	N/A	3	80.41
HMGA2	15.94	chr12	12q15	56	111.98
FNDC9	15.94	chr5	5q33.3	19	158.99
ZNF567	15.94	chr19	19q13.12	31	85.86
Hs.603762	15.94	chr11	N/A	7	75.62
NRG2	15.94	chr5	5q23-q33	64	102.61
Hs.562162	15.94	chr1	N/A	3	54.15
Hs.445610	15.94	chr14	N/A	3	77.56
TYR	15.94	chr11	11q14-q21	63	139.45

TRIM62	15.94	chr1	1p35.1	63	64.91
Hs.661656	15.94	chr7	N/A	8	66.90
TYW5	15.94	chr2	2q33.1	61	119.18
UPK3A	15.94	chr22	22q13.31	28	83.94
Hs.582832	15.94	chr6	N/A	3	51.43
LINC00592	15.94	chr12	12q13.13	1	0.00
RELN	15.93	chr7	7q22	43	88.68
LAIR2	15.93	chr19	19q13.4	33	92.01
Hs.741769	15.93	chr7	N/A	8	83.60
C14orf80	15.93	chr14	14q32.33	26	103.32
Hs.726402	15.93	chrX	N/A	7	109.00
Hs.142910	15.93	chr10	N/A	7	72.80
Hs.570184	15.93	chr2	N/A	3	5.85
C1orf159	15.93	chr1	1p36.33	21	58.62
Hs.565536	15.93	chr2	N/A	3	73.00
KRTAP9-4	15.93	chr17	17q12-q21	26	64.39
UGT2B17	15.92	chr4	4q13	49	117.96
Hs.665290	15.92	chr11	N/A	7	82.52
ASAH2	15.92	chr10	10q11.21	24	75.81
FLJ14107	15.92	chr8	8p21.3	21	47.91
IL17REL	15.91	chr22	22q13.33	3	39.48
Hs.559807	15.91	chr10	N/A	3	101.71
Hs.196069	15.91	chr12	N/A	3	36.40
Hs.541076	15.91	chr18	N/A	3	43.72
Hs.459513	15.91	chr9	N/A	10	82.81
Hs.437153	15.91	chr12	N/A	8	121.56
Hs.561600	15.91	chr6	N/A	1	0.00
PLGLB2	15.91	chr2	2p11.2	37	94.54
Hs.539051	15.91	chr11	N/A	3	47.08
SMIM10	15.90	chrX	Xq26.3	23	88.03
Hs.579719	15.90	chr19	N/A	3	43.74
HOXB3	15.90	chr17	17q21.3	53	110.19
USHBP1	15.90	chr19	19p13	51	80.16
OR8G2	15.90	chr11	11q24.2	15	84.40
Hs.170646	15.90	chr2	N/A	3	22.99
HSD17B13	15.90	chr4	4q22.1	28	91.87
NANOG	15.90	chr12	12p13.31	31	77.77
CCDC68	15.89	chr18	18q21	38	71.80
Hs.127857	15.89	chr1	N/A	5	103.62
CHRNA3	15.89	chr2	2q37.1	21	118.66
Hs.665272	15.89	chr2	N/A	8	92.41
Hs.566144	15.89	chr4	N/A	3	60.53
Hs.254752	15.89	chr3	N/A	3	33.79
CDH10	15.89	chr5	5p14.2	21	61.88
Hs.632862	15.89	chr12	N/A	3	35.56
Hs.127352	15.89	chr14	N/A	6	31.41
LOC115110	15.89	chr1	1p36.32	16	132.70
Hs.603603	15.88	chr2	N/A	2	16.08
CDH16	15.88	chr16	16q22.1	58	117.53
RSPH4A	15.88	chr6	6q22.1	36	201.05
ZNF101	15.88	chr19	19p13.11	22	48.37
Hs.661375	15.88	chr10	N/A	15	88.04
Hs.662765	15.88	chr21	N/A	1	0.00
Hs.660182	15.88	chr9	N/A	8	79.08
Hs.540480	15.88	chr16	N/A	3	29.58
Hs.677218	15.88	chr6	N/A	1	0.00
GRHL3	15.87	chr1	1p36.11	27	102.01
BCMO1	15.87	chr16	16q23.2	21	76.43
Hs.667944	15.87	chr5	N/A	9	64.52
CDY1	15.87	chrY	Yq11.23	21	72.07
Hs.583156	15.87	chr7	N/A	3	112.51
Hs.744953	15.87	chr17	N/A	11	36.81
PNLIPRP1	15.87	chr10	10q25.3	45	148.39
Hs.543937	15.87	chr5	N/A	3	50.32
TEKT2	15.87	chr1	1p34.3	30	88.65
Hs.569901	15.87	chr18	N/A	3	83.34

Hs.655554	15.87	chr16	N/A	7	44.12
Hs.549667	15.87	chr6	N/A	3	49.95
MYADML2	15.87	chr17	17q25.3	11	157.11
Hs.586950	15.87	chr17	N/A	11	30.72
LEAP2	15.86	chr5	5q31.1	35	59.03
Hs.567208	15.86	chrX	N/A	3	54.49
FAM161A	15.86	chr2	2p15	47	124.75
Hs.580306	15.86	chr2	N/A	3	22.23
Hs.27261	15.86	chr21	N/A	18	116.54
Hs.290540	15.86	chr8	N/A	3	107.28
CETN1	15.86	chr18	18p11.32	33	73.86
Hs.708332	15.86	chr6	N/A	10	164.50
LHX4	15.86	chr1	1q25.2	23	161.17
Hs.564315	15.86	chr11	N/A	3	67.62
FKBP6	15.85	chr7	7q11.23	35	79.76
Hs.129777	15.85	chr5	N/A	15	62.11
Hs.562888	15.85	chr2	N/A	3	43.58
Hs.531617	15.85	chr19	N/A	11	95.94
Hs.578894	15.85	chr16	N/A	3	69.77
Hs.662038	15.85	chr13	N/A	3	79.68
CYP4F2	15.85	chr19	19p13.12	53	96.98
Hs.552207	15.85	chr10	N/A	3	79.69
LCAT	15.85	chr16	16q22.1	57	94.91
C20orf197	15.85	chr20	20q13.33	27	63.57
IRAK1BP1	15.85	chr6	6q14-q15	30	93.52
CCDC78	15.85	chr16	16p13.3	22	99.14
Hs.733384	15.85	chr4	N/A	17	60.80
Hs.743844	15.85	chr10	N/A	4	71.62
HOXA1	15.85	chr7	7p15.3	36	105.50
Hs.646389	15.85	chr19	N/A	7	68.66
Hs.577976	15.85	chr13	N/A	3	46.44
Hs.171082	15.84	chr9	N/A	3	43.80
LOC284080	15.84	chr17	17q21.33	5	31.88
NXPH1	15.84	chr7	7p22	22	137.28
Hs.673989	15.84	chr6	N/A	1	0.00
Hs.655764	15.84	chr3	N/A	11	62.84
GANC	15.83	chr15	15q15.2	28	102.15
Hs.662420	15.83	chr1	N/A	7	57.52
ASB5	15.83	chr4	4q34.2	36	105.98
Hs.684728	15.83	chr13	N/A	1	0.00
C1orf64	15.83	chr1	1p36.13	50	132.27
Hs.562370	15.83	chr11	N/A	3	36.23
LOC283914	15.83	chr16	16p11.2-p11.1	4	78.17
TMEM151B	15.83	chr6	6p21.1	22	86.70
Hs.539961	15.83	chr14	N/A	3	47.99
PDE6B	15.82	chr4	4p16.3	44	76.10
OR56A1	15.82	chr11	11p15.4	5	41.86
ADAMTS15	15.82	chr11	11q25	31	115.08
Hs.566311	15.82	chr5	N/A	3	110.23
Hs.493585	15.82	chr9	N/A	10	90.08
CDT1	15.82	chr16	16q24.3	39	80.20
Hs.151334	15.82	chr9	N/A	11	74.31
Hs.255962	15.82	chr2	N/A	3	55.21
B4GALNT3	15.81	chr12	12p13.33	52	171.01
Hs.104792	15.81	chr15	N/A	10	109.50
Hs.714342	15.81	chr5	N/A	17	149.65
Hs.732524	15.81	chr7	N/A	1	0.00
Hs.660002	15.81	chr18	N/A	8	79.23
FGF23	15.81	chr12	12p13.3	24	131.17
Hs.732864	15.81	chr2	N/A	7	90.75
Hs.635337	15.81	chr6	N/A	3	68.91
Hs.603978	15.81	chr5	N/A	3	48.65
LOC100506036	15.80	chr2	N/A	5	56.39
Hs.373571	15.80	chr19	N/A	21	37.00
Hs.658001	15.80	chr11	N/A	3	23.96
Hs.554237	15.80	chr21	N/A	3	74.38

Hs.297557	15.80	chr2	N/A	3	64.51
SLC2A6	15.80	chr9	9q34	21	127.58
Hs.733965	15.80	chr9	N/A	8	77.52
Hs.390616	15.80	chrX	N/A	7	89.29
GPR151	15.79	chr5	5q32	5	5.85
Hs.665369	15.79	chr7	N/A	7	62.10
Hs.532001	15.79	chr4	N/A	3	21.09
Hs.385813	15.79	chr21	N/A	4	46.41
Hs.636120	15.79	chr1	N/A	10	42.96
MPV17L	15.79	chr16	16p13.11	29	151.29
Hs.709003	15.79	chr1	N/A	3	96.63
Hs.731734	15.79	chr5	N/A	7	83.06
Hs.642978	15.79	chr4	N/A	21	100.39
Hs.408161	15.78	chr15	N/A	3	59.38
SNORD56B	15.78	chr14	14q24.2	3	80.30
NEK8	15.78	chr17	17q11.1	28	79.64
Hs.733718	15.78	chr5	N/A	1	0.00
FAM153A	15.78	chr5	5q35.3	38	71.19
MAGEA12	15.78	chrX	Xq28	36	81.33
Hs.411959	15.78	chr18	N/A	1	0.00
Hs.47189	15.77	chr11	N/A	3	111.61
TEX29	15.77	chr13	13q34	17	158.22
Hs.596282	15.77	chr2	N/A	20	66.74
PKD2L1	15.77	chr10	10q24	28	144.25
Hs.608553	15.77	chr9	N/A	13	125.54
ARL13A	15.77	chrX	Xq22.1	11	122.71
PRR7-AS1	15.77	chr5	5q35.3	1	0.00
Hs.602955	15.77	chr12	N/A	7	60.52
Hs.116530	15.77	chr10	N/A	14	82.18
Hs.552226	15.77	chr14	N/A	3	42.69
NRG1	15.77	chr8	8p12	107	89.79
Hs.614041	15.77	chr1	N/A	3	15.08
Hs.661237	15.76	chr15	N/A	1	0.00
Hs.657741	15.76	chr12	N/A	8	34.53
GRK1	15.76	chr13	13q34	26	134.56
SLC30A8	15.76	chr8	8q24.11	29	165.02
Hs.604310	15.76	chr4	N/A	2	36.26
Hs.342412	15.76	chr13	N/A	4	72.38
PLK4	15.76	chr4	4q28	50	188.32
Hs.136279	15.76	chr5	N/A	3	85.26
LINC00901	15.76	chr3	N/A	6	78.91
IGHV1-69	15.76	chr14	14q32.33	38	123.00
Hs.585624	15.76	chr13	N/A	8	61.26
Hs.156319	15.76	chr13	N/A	3	110.96
VWCE	15.76	chr11	11q12.2	18	53.08
Hs.537896	15.76	chr1	N/A	3	20.13
LINC00662	15.75	chr19	19q11	25	97.91
CALN1	15.75	chr7	7q11	68	159.00
CD244	15.75	chr1	1q23.3	32	45.92
ZNF718	15.75	chr4	4p16.3	23	90.53
Hs.531728	15.75	chr18	N/A	4	107.68
Hs.87384	15.75	chr5	N/A	11	120.35
IL1RN	15.75	chr2	2q14.2	68	102.37
Hs.576915	15.75	chr10	N/A	3	60.47
CCL26	15.75	chr7	7q11.23	31	162.80
IL5	15.75	chr5	5q31.1	26	197.63
GCNT3	15.74	chr15	15q21.3	35	157.12
KLK4	15.74	chr19	19q13.41	44	197.25
Hs.584577	15.74	chrX	N/A	3	64.14
Hs.677101	15.74	chr19	N/A	2	83.48
Hs.539416	15.74	chr12	N/A	3	83.39
Hs.734293	15.74	chrX	N/A	7	100.20
Hs.149312	15.74	chr19	N/A	1	0.00
LOC100506534	15.74	chr7	N/A	3	26.41
Hs.657408	15.74	chr16	N/A	7	86.19
Hs.148448	15.74	chr4	N/A	4	41.13

SUN5	15.73	chr20	20q11.21	29	84.09
Hs.447780	15.73	chr8	N/A	3	44.66
Hs.659585	15.73	chr5	N/A	7	97.02
NAF1	15.73	chr4	4q32.2	31	112.12
RUNX2	15.73	chr6	6p21	85	113.07
OCLM	15.73	chr1	1q25	21	71.83
FAM132B	15.73	chr2	2q37.3	28	37.72
ASB7	15.72	chr15	15q26.3	65	121.29
Hs.167167	15.72	chr22	N/A	11	44.66
TENM1	15.72	chrX	Xq25	32	70.56
NLRP5	15.72	chr19	19q13.43	19	91.75
KRT37	15.72	chr17	17q12-q21	23	102.03
LINC00859	15.72	chr16	16q24.2	3	76.06
Hs.634639	15.72	chr20	N/A	7	72.88
FLJ25715	15.72	chr18	18q23	23	263.91
MIR7-3HG	15.72	chr19	19p13.3	32	106.11
OR9A2	15.72	chr7	7q34	8	121.39
Hs.540909	15.72	chr17	N/A	2	54.87
Hs.670428	15.72	chr8	N/A	7	47.13
Hs.607917	15.72	chrX	N/A	1	0.00
Hs.667236	15.71	chr4	N/A	3	71.01
PRL	15.71	chr6	6p22.2-p21.3	40	107.53
HOXD4	15.71	chr2	2q31.1	28	77.83
IQCA1	15.71	chr2	2q37.3	51	129.27
CDH18	15.71	chr5	5p14.3	37	85.92
CHRM2	15.71	chr7	7q31-q35	47	93.95
Hs.553192	15.71	chr1	N/A	1	0.00
GRIA3	15.71	chrX	Xq25	74	179.98
Hs.657982	15.71	chr3	N/A	1	0.00
Hs.680359	15.71	chr8	N/A	1	0.00
Hs.438851	15.70	chr5	N/A	7	108.94
MPZL3	15.70	chr11	11q23.3	25	80.50
ENTPD1-AS1	15.70	chr10	10q24.1	29	62.06
Hs.564290	15.70	chr11	N/A	3	72.16
HSD17B6	15.70	chr12	12q13	35	112.56
TCL6	15.70	chr14	14q32.1	102	144.17
Hs.594066	15.70	chr16	N/A	7	110.96
FGB	15.69	chr4	4q28	79	136.10
PLCB3	15.69	chr11	11q13	23	90.92
Hs.543183	15.69	chr3	N/A	3	7.92
GCSAM	15.69	chr3	3q13.2	38	166.03
Hs.595704	15.69	chr4	N/A	1	0.00
COL24A1	15.69	chr1	1p22.3	29	141.44
SPAM1	15.69	chr7	7q31.3	46	129.61
KCNQ1OT1	15.69	chr11	11p15	36	132.34
Hs.583694	15.69	chr8	N/A	3	11.23
Hs.616949	15.69	chr18	N/A	3	89.28
TSPAN11	15.69	chr12	12p11.21	37	68.87
Hs.674902	15.69	chr2	N/A	1	0.00
Hs.370762	15.69	chr9	N/A	1	0.00
DOK3	15.68	chr5	5q35.3	43	93.25
TNFRSF9	15.68	chr1	1p36	29	126.36
HCG9	15.68	chr6	6p21.3	30	93.47
Hs.656405	15.68	chr12	N/A	8	52.78
Hs.542839	15.68	chr3	N/A	3	61.24
Hs.580455	15.68	chr2	N/A	3	16.76
Hs.697131	15.67	chr6	N/A	3	56.45
Hs.222013	15.67	chr5	N/A	3	39.78
Hs.660864	15.67	chr6	N/A	1	0.00
Hs.432479	15.67	chr15	N/A	1	0.00
Hs.597327	15.67	chr17	N/A	8	44.94
ADAM12	15.67	chr10	10q26.3	108	89.09
LOC339505	15.67	chr1	1p36.12	1	0.00
Hs.159088	15.67	chr1	N/A	3	84.30
Hs.577626	15.67	chr12	N/A	3	69.27
LOC100506088	15.67	chr2	N/A	27	164.87

Hs.570183	15.67	chr2	N/A	3	45.72
SLAMF7	15.67	chr1	1q23.1-q24.1	26	72.92
Hs.469971	15.67	chr2	N/A	8	93.72
ZIC4	15.67	chr3	3q24	42	77.52
SLFN5	15.67	chr17	17q12	53	158.65
LOC728084	15.67	chr12	12q21.33	10	108.95
TNFSF15	15.66	chr9	9q32	42	85.13
APOBEC3B	15.66	chr22	22q13.1-q13.2	56	90.65
Hs.650440	15.66	chr16	N/A	3	39.70
Hs.665431	15.66	chr6	N/A	2	88.65
Hs.715755	15.66	chr11	N/A	29	88.03
HPS3	15.66	chr3	3q24	130	41.02
IL16	15.66	chr15	15q26.3	72	112.25
Hs.667769	15.66	chr10	N/A	7	54.31
HOTAIRM1	15.66	chr7	7p15.2	32	59.35
TMC8	15.66	chr17	17q25.3	45	88.58
Hs.677811	15.66	chr3	N/A	1	0.00
TRPM6	15.66	chr9	9q21.13	68	241.70
KBTBD3	15.65	chr11	11q22.3	40	76.58
ZNF846	15.65	chr19	19p13.2	6	32.96
FUT4	15.65	chr11	11q21	55	81.02
Hs.639755	15.64	chr3	N/A	3	94.16
Hs.201760	15.64	chr20	N/A	3	17.92
LOC100130502	15.64	chr2	2p21	1	0.00
Hs.150487	15.64	chr9	N/A	5	90.28
Hs.124515	15.64	chr6	N/A	1	0.00
Hs.580535	15.64	chr2	N/A	3	53.92
Hs.545828	15.64	chr9	N/A	3	35.13
Hs.657647	15.64	chr2	N/A	1	0.00
PPP1R16B	15.64	chr20	20q11.23	67	110.30
DSCR4	15.64	chr21	21q22.2	33	157.71
Hs.659029	15.64	chr11	N/A	1	0.00
Hs.543314	15.64	chr4	N/A	3	47.17
RPS6KA6	15.64	chrX	Xq21	52	170.73
Hs.737822	15.64	chr2	N/A	2	66.86
Hs.732618	15.64	chr2	N/A	1	0.00
JAKMIP3	15.64	chr10	10q26.3	33	97.51
LOC339788	15.63	chr2	2p25.1	8	50.36
Hs.658233	15.63	chr1	N/A	1	0.00
PCDHGA5	15.63	chr5	5q31	3	7.82
Hs.550410	15.63	chr2	N/A	3	55.00
Hs.197590	15.63	chr6	N/A	3	26.79
Hs.663935	15.63	chr15	N/A	1	0.00
Hs.602871	15.63	chr16	N/A	7	165.46
Hs.658791	15.63	chr1	N/A	3	151.62
Hs.582074	15.63	chr4	N/A	3	66.72
Hs.553204	15.63	chr1	N/A	10	27.57
LIP1	15.62	chr21	21q11.2	28	102.54
Hs.733068	15.62	chrX	N/A	3	45.72
WNT1	15.62	chr12	12q13	23	72.14
Hs.545387	15.62	chr8	N/A	3	69.26
Hs.659225	15.62	chr7	N/A	7	101.52
Hs.538994	15.62	chr11	N/A	3	24.03
Hs.50925	15.62	chr17	N/A	11	81.86
Hs.652834	15.62	chr5	N/A	3	74.84
CCDC42	15.62	chr17	17p13.1	19	230.76
VGLL2	15.62	chr6	6q22.1	39	165.31
Hs.131244	15.61	chr5	N/A	8	77.18
Hs.121925	15.61	chr2	N/A	7	90.32
Hs.566765	15.61	chr7	N/A	3	51.44
Hs.604175	15.61	chr15	N/A	2	11.51
Hs.176176	15.61	chr1	N/A	3	77.43
Hs.652272	15.61	chr17	N/A	8	69.27
Hs.671684	15.61	chr10	N/A	1	0.00
SLC25A47	15.61	chr14	14q32.2	28	59.64
SERINC5	15.61	chr5	5q14.1	72	83.22

Hs.655362	15.60	chr9	N/A	17	71.58
Hs.658931	15.60	chrX	N/A	9	88.84
Hs.545731	15.60	chr9	N/A	3	90.28
GSX1	15.60	chr13	13q12.2	15	51.62
LOC728012	15.60	chr6	6q16.3	19	105.15
TRIM9	15.60	chr14	14q22.1	77	172.48
ZNF19	15.59	chr16	16q22	1	0.00
LOC285033	15.59	chr2	2q11.2	24	57.49
CHAT	15.59	chr10	10q11.2	40	107.31
NHLRC1	15.59	chr6	6p22.3	8	49.16
Hs.577861	15.59	chr13	N/A	3	69.86
LOC283585	15.59	chr14	14q31.3	4	30.76
CDHR1	15.59	chr10	10q23.1	43	149.93
MAGEB1	15.59	chrX	Xp21.3	29	93.29
Hs.597761	15.59	chr19	N/A	7	59.88
Hs.565678	15.58	chr20	N/A	3	64.91
KIAA1161	15.58	chr9	9p13.3	48	170.06
Hs.635280	15.58	chr10	N/A	17	90.89
LOC100130964	15.58	chr8	8p11.22	3	127.75
Hs.659386	15.58	chr7	N/A	3	81.01
Hs.202314	15.58	chr2	N/A	3	18.84
Hs.664225	15.58	chr5	N/A	14	142.42
Hs.566837	15.57	chr8	N/A	3	51.14
BRCA1	15.57	chr17	17q21	152	50.80
Hs.554421	15.57	chr15	N/A	3	103.99
PRDM13	15.57	chr6	6q16.2	21	56.78
GBP5	15.57	chr1	1p22.2	27	125.07
Hs.566818	15.57	chr8	N/A	3	38.57
Hs.270238	15.57	chr6	N/A	3	39.15
SLC28A3	15.57	chr9	9q22.2	39	115.90
Hs.598840	15.57	chr17	N/A	10	167.88
INTS7	15.57	chr1	1q32.3	47	74.64
GDAP1	15.56	chr8	8q21.11	36	302.88
Hs.570902	15.56	chr5	N/A	3	36.24
WSCD2	15.56	chr12	12q23.3	31	137.50
Hs.565841	15.56	chr3	N/A	3	84.14
Hs.573606	15.56	chrX	N/A	7	57.10
ANP32C	15.56	chr4	4q32.3	24	69.18
Hs.604262	15.56	chr2	N/A	7	114.64
OR5H2	15.56	chr3	3q12.1	5	73.42
ANXA8	15.56	chr10	10q11.22	3	60.18
Hs.278145	15.56	chr5	N/A	3	90.37
CCDC148	15.56	chr2	2q24.1	24	220.65
Hs.569525	15.55	chr15	N/A	3	35.09
LINC00596	15.55	chr14	14q11.2	3	109.29
Hs.587484	15.55	chr9	N/A	24	124.69
Hs.544676	15.55	chr6	N/A	3	34.35
LOC100134361	15.55	chr22	N/A	19	60.55
KIAA1755	15.55	chr20	20q11.23	34	146.14
Hs.720949	15.55	chr17	N/A	2	73.68
Hs.671238	15.55	chr7	N/A	3	47.90
TMPO-AS1	15.55	chr12	12q23.1	8	67.00
Hs.661175	15.55	chr9	N/A	8	134.08
CCDC134	15.55	chr22	22q13.2	31	42.45
Hs.565051	15.55	chr17	N/A	3	65.96
Hs.594371	15.55	chr13	N/A	1	0.00
Hs.27705	15.55	chr6	N/A	7	52.23
Hs.148762	15.54	chr5	N/A	5	74.93
HTR3D	15.54	chr3	3q27.1	16	64.86
Hs.162181	15.54	chr16	N/A	3	45.92
Hs.555255	15.54	chr9	N/A	3	38.87
CCL22	15.54	chr16	16q13	28	158.78
EPHA3	15.54	chr3	3p11.2	61	158.17
Hs.737831	15.54	chr9	N/A	3	60.20
Hs.545602	15.54	chr9	N/A	10	60.40
NKAIN4	15.54	chr20	20q13.33	29	87.43

Hs.609488	15.54	chr20	N/A	3	113.58
REN	15.54	chr1	1q32	48	117.31
LINC00602	15.54	chr6	6q27	2	88.28
NOXO1	15.54	chr16	16p13.3	23	49.81
SLC4A1	15.54	chr17	17q21.31	73	129.02
Hs.525272	15.53	chr12	N/A	10	50.75
CD164L2	15.53	chr1	1p36.11	8	166.98
LOC100127888	15.53	chr20	20q13.33	1	0.00
FASLG	15.53	chr1	1q23	58	90.21
SLC13A3	15.53	chr20	20q13.12	57	112.07
Hs.72804	15.53	chr5	N/A	17	53.87
KCND1	15.53	chrX	Xp11.23	37	194.04
PTPRR	15.53	chr12	12q15	40	100.27
MORC1	15.53	chr3	3q13	21	78.95
Hs.712831	15.52	chr2	N/A	7	29.74
Hs.554596	15.52	chr15	N/A	3	20.88
LINC00515	15.52	chr21	21q21.3	18	51.02
Hs.425805	15.52	chr11	N/A	3	100.27
Hs.632953	15.52	chr12	N/A	14	51.17
FLJ34503	15.52	chr6	6q21	14	110.12
FAM159A	15.52	chr1	1p32.3	21	140.05
Hs.639934	15.51	chr14	N/A	3	45.52
Hs.666752	15.51	chrX	N/A	1	0.00
Hs.230188	15.51	chr19	N/A	9	41.51
Hs.664817	15.51	chr4	N/A	7	44.17
ANKS6	15.51	chr9	9q22.33	53	94.53
LOC100507599	15.51	chr22	N/A	20	68.18
KRT20	15.51	chr17	17q21.2	47	148.46
DKK1	15.51	chr10	10q11.2	31	74.01
Hs.658696	15.51	chr3	N/A	8	50.15
FLRT3	15.51	chr20	20p11	32	142.49
Hs.582021	15.51	chr4	N/A	3	89.15
Hs.565403	15.50	chr2	N/A	3	73.03
PRR22	15.50	chr19	19p13.3	20	88.60
Hs.562529	15.50	chr14	N/A	7	136.74
Hs.666095	15.50	chr8	N/A	7	84.07
Hs.687243	15.50	chr10	N/A	7	55.70
Hs.605269	15.50	chr6	N/A	7	53.86
ZNF674	15.50	chrX	Xp11.3	17	111.48
Hs.733624	15.50	chr12	N/A	7	51.80
LINC00176	15.50	chr20	20q13.33	13	164.56
Hs.578136	15.50	chr14	N/A	3	81.48
GNAT1	15.50	chr3	3p21	52	126.95
Hs.334029	15.50	chr1	N/A	3	113.45
SCGB1D4	15.50	chr11	11q12.3	6	48.16
Hs.573195	15.50	chr5	N/A	10	75.45
MUC12	15.50	chr7	7q22	64	96.66
CXorf51B	15.50	chrX	Xq27.3	4	36.01
Hs.670389	15.50	chr12	N/A	5	73.18
MYH15	15.50	chr3	3q13.13	22	104.54
GPR37	15.49	chr7	7q31	33	102.45
DUX4L9	15.49	chr4	4q35.2	3	61.84
Hs.547862	15.49	chr1	N/A	3	43.62
PGAP1	15.49	chr2	2q33.1	65	121.33
RBM43	15.49	chr2	2q23.3	33	104.64
Hs.381371	15.48	chr7	N/A	1	0.00
Hs.659683	15.48	chr1	N/A	2	31.89
Hs.660359	15.48	chr2	N/A	8	48.54
Hs.606040	15.48	chr18	N/A	18	69.34
MROH8	15.48	chr20	20q11.22	63	64.44
Hs.146800	15.48	chr20	N/A	2	5.72
SLC6A2	15.48	chr16	16q12.2	73	98.39
SPATA31C1	15.48	chr9	9q22	7	44.38
ITGAX	15.48	chr16	16p11.2	50	148.24
IKZF2	15.48	chr2	2q34	39	122.18
Hs.543887	15.48	chr5	N/A	3	17.90

PAPPA2	15.48	chr1	1q23-q25	81	152.73
Hs.741706	15.48	chr15	N/A	7	92.16
PKP1	15.48	chr1	1q32	40	71.73
SAMD13	15.47	chr1	1p31.1	33	157.36
ASB4	15.47	chr7	7q21-q22	83	107.19
TNP2	15.47	chr16	16p13.13	47	90.53
HOXB-AS1	15.47	chr17	N/A	28	66.71
Hs.560267	15.47	chr14	N/A	3	62.00
GULP1	15.47	chr2	2q32.3-q33	63	112.58
TBC1D30	15.47	chr12	12q14.3	43	118.36
Hs.567178	15.47	chrX	N/A	3	70.96
Hs.560542	15.47	chr17	N/A	3	67.37
Hs.43047	15.47	chr21	N/A	18	81.48
Hs.579166	15.46	chr17	N/A	8	10.74
Hs.539637	15.46	chr13	N/A	3	78.08
Hs.602659	15.46	chr12	N/A	7	69.35
Hs.596214	15.46	chr6	N/A	2	48.40
Hs.666355	15.46	chr22	N/A	3	20.70
Hs.555172	15.46	chr19	N/A	10	78.96
HIST1H4E	15.46	chr6	6p22.1	21	70.48
Hs.599750	15.46	chr14	N/A	3	74.90
C19orf40	15.46	chr19	19q13.11	21	123.00
POC1B	15.46	chr12	12q21.33	68	116.09
CSN2	15.46	chr4	4q21.1	23	82.29
SPACA5B	15.45	chrX	Xp11.23	35	229.25
OLIG2	15.45	chr21	21q22.11	46	97.11
Hs.566194	15.45	chr4	N/A	3	52.30
Hs.545804	15.45	chr9	N/A	3	19.39
Hs.541002	15.45	chr18	N/A	3	19.53
KIRREL2	15.45	chr19	19q13.12	35	104.82
Hs.434873	15.45	chr9	N/A	2	52.51
PRKCB	15.44	chr16	16p11.2	92	125.82
ZNF335	15.44	chr20	20q13.12	43	59.46
LOC646268	15.44	chr1	1q23.1	5	117.88
LRRC46	15.44	chr17	17q21.32	22	44.82
Hs.732541	15.44	chr15	N/A	7	95.21
Hs.540438	15.44	chr16	N/A	3	59.49
TPX2	15.44	chr20	20q11.2	44	75.42
LOC100996630	15.44	chr1	N/A	7	95.90
Hs.661623	15.44	chr14	N/A	1	0.00
Hs.736582	15.44	chr13	N/A	1	0.00
Hs.603225	15.44	chr10	N/A	7	120.22
Hs.541019	15.44	chr18	N/A	3	55.57
Hs.409846	15.43	chr11	N/A	1	0.00
Hs.675372	15.43	chr15	N/A	10	73.33
Hs.665977	15.43	chr3	N/A	7	63.43
LOC100131195	15.43	chr10	10q11.21	10	35.12
Hs.425104	15.43	chr2	N/A	2	54.35
Hs.437037	15.43	chr6	N/A	3	69.59
LOC100506684	15.43	chr12	N/A	25	162.90
ARMC2	15.43	chr6	6q21	41	96.43
Hs.348792	15.42	chr5	N/A	22	84.95
Hs.546126	15.42	chrX	N/A	3	13.72
Hs.677083	15.42	chr14	N/A	11	44.17
Hs.655900	15.42	chr16	N/A	8	127.19
C5orf38	15.42	chr5	5p15.33	18	100.58
HOXC11	15.42	chr12	12q13.3	23	98.54
KREMEN2	15.42	chr16	16p13.3	27	61.59
Hs.177169	15.41	chr22	N/A	1	0.00
KIAA1656	15.41	chr22	N/A	13	41.21
Hs.545413	15.41	chr8	N/A	3	29.63
Hs.656085	15.41	chr12	N/A	11	77.20
Hs.265194	15.41	chr6	N/A	4	126.62
Hs.564685	15.41	chr14	N/A	3	26.32
UBE3D	15.41	chr6	6q14.1	47	86.34
USP41	15.41	chr22	22q11.21	9	112.32

TTY8B	15.41	chrY	Yp11.2	17	108.39
Hs.667010	15.41	chr5	N/A	3	62.03
Hs.534061	15.41	chr20	N/A	8	16.14
Hs.732059	15.41	chr1	N/A	7	64.04
CHST9	15.40	chr18	18q11.2	34	68.23
Clorf227	15.40	chr1	1q32.3	6	50.42
Hs.580313	15.40	chr2	N/A	4	72.77
Hs.543657	15.40	chr4	N/A	3	34.75
LRRC3B	15.39	chr3	3p24	36	156.11
FN3K	15.39	chr17	17q25.3	28	57.49
Hs.540433	15.39	chr16	N/A	3	43.57
Hs.641675	15.39	chr8	N/A	3	126.94
CCL25	15.39	chr19	19p13.2	36	76.43
ARSF	15.39	chrX	Xp22.3	30	71.69
Hs.293647	15.39	chr3	N/A	3	35.67
LOC257358	15.38	chr5	5q35.1	15	46.79
MYBL2	15.38	chr20	20q13.1	30	57.84
MORF4L2-AS1	15.38	chrX	Xq22.2	11	70.76
ADAMTS12	15.38	chr5	5q35	39	133.29
CRYGS	15.38	chr3	3q27.3	32	96.55
SLC7A11	15.38	chr4	4q28-q32	66	154.59
Hs.545098	15.38	chr7	N/A	3	53.95
LILRA5	15.38	chr19	19q13.4	44	128.97
Hs.58089	15.38	chr5	N/A	11	82.20
Hs.600649	15.38	chr1	N/A	7	78.18
Hs.666561	15.38	chr1	N/A	7	67.28
Hs.587664	15.37	chr11	N/A	7	42.85
ZNF471	15.37	chr19	19q13.43	49	61.19
Hs.130394	15.37	chr1	N/A	3	37.91
Hs.596615	15.37	chr2	N/A	7	96.77
KLF5	15.37	chr13	13q22.1	38	92.76
Hs.355739	15.37	chr19	N/A	21	105.25
Hs.581558	15.37	chr3	N/A	3	59.31
Hs.582014	15.37	chr4	N/A	3	22.45
Hs.545659	15.37	chr9	N/A	3	63.65
LOC100506319	15.37	chr3	N/A	8	99.66
OR2B6	15.37	chr6	6p21.3	20	51.35
Hs.562914	15.36	chr2	N/A	3	88.86
STRA6	15.36	chr15	15q24.1	37	82.36
Hs.658736	15.36	chr7	N/A	8	64.92
A4GNT	15.36	chr3	3p14.3	21	101.64
Hs.164146	15.36	chr14	N/A	3	68.67
LRCH2	15.36	chrX	Xq23	19	93.47
SCG3	15.36	chr15	15q21	41	199.94
Hs.664289	15.36	chr4	N/A	1	0.00
Hs.40024	15.36	chr17	N/A	10	91.25
GATA3-AS1	15.36	chr10	10p14	5	81.41
Hs.604238	15.36	chr10	N/A	2	12.15
Hs.687908	15.36	chr3	N/A	2	94.49
APCDD1L-AS1	15.35	chr20	20q13.32	6	117.83
LINC00174	15.35	chr7	7q11.21	8	75.09
MAGEB2	15.35	chrX	Xp21.3	33	51.53
KLK2	15.35	chr19	19q13.41	85	96.62
Hs.576444	15.35	chr1	N/A	3	84.51
Hs.657959	15.35	chr12	N/A	7	39.04
LYZL1	15.34	chr10	10p12.1	12	59.47
TET3	15.34	chr2	2p13.1	42	75.45
Hs.536620	15.34	chr21	N/A	14	125.59
OR2C1	15.34	chr16	16p13.3	21	101.81
SNX10	15.34	chr7	7p15.2	37	66.78
Hs.520276	15.34	chr6	N/A	3	66.78
Hs.436456	15.34	chr1	N/A	8	61.30
UGT2B15	15.34	chr4	4q13	38	131.38
PIWIL2	15.33	chr8	8p21.3	32	76.24
ELAVL2	15.33	chr9	9p21	35	117.76
Hs.269180	15.33	chr9	N/A	7	117.71

Hs.664278	15.33	chr11	N/A	7	63.75
Hs.539934	15.33	chr14	N/A	3	68.91
Hs.655425	15.33	chr18	N/A	11	37.14
LOC100132731	15.33	chr3	3q21.3	3	80.77
Hs.559587	15.33	chr3	N/A	8	69.10
GDF9	15.32	chr5	5q31.1	21	99.45
Hs.666486	15.32	chr2	N/A	10	119.20
ABC5	15.32	chr7	7p21.1	36	131.58
CD1E	15.32	chr1	1q22-q23	45	93.40
COL11A1	15.32	chr1	1p21	59	149.54
NCAPG2	15.32	chr7	7q36.3	33	61.21
Hs.547576	15.32	chr20	N/A	11	102.72
Hs.205796	15.32	chr3	N/A	3	25.26
GTF2A1L	15.32	chr2	2p16.3	65	99.29
EP400NL	15.31	chr12	12q24.33	40	127.36
Hs.148471	15.31	chr5	N/A	6	48.74
IL13RA2	15.31	chrX	Xq13.1-q28	30	149.64
Hs.156213	15.31	chr7	N/A	4	62.65
TMEM180	15.31	chr10	10q24.32	28	77.92
Hs.627914	15.31	chr1	N/A	3	101.55
Hs.548369	15.31	chr10	N/A	3	52.07
PIANP	15.31	chr12	12p13.31	37	67.27
SGK2	15.31	chr20	20q13.2	45	158.69
BAIAP2L1	15.31	chr7	7q22.1	38	103.82
PCDHGA8	15.31	chr5	5q31	6	31.03
SLC18A1	15.31	chr8	8p21.3	26	73.99
CLDN6	15.31	chr16	16p13.3	22	74.22
Hs.638374	15.30	chr4	N/A	1	0.00
Hs.584560	15.30	chr11	N/A	2	20.14
PLAC1L	15.30	chr11	11q12.1	21	214.87
SPINK9	15.30	chr5	5q32	6	71.38
PQLC2	15.30	chr1	1p36.13	34	71.90
CCR2	15.30	chr3	3p21.31	83	150.89
Hs.640573	15.30	chr2	N/A	13	53.03
EIF4E1B	15.30	chr5	5q35.2	3	16.66
ALX3	15.30	chr1	1p13.3	26	87.17
Hs.634606	15.30	chr5	N/A	7	50.61
Hs.734284	15.30	chr10	N/A	7	126.14
Hs.660226	15.30	chrX	N/A	8	111.66
Hs.14780	15.30	chr8	N/A	4	29.67
Hs.733121	15.30	chr2	N/A	8	57.08
Hs.662623	15.30	chr19	N/A	8	109.35
RPGRIP1	15.29	chr14	14q11	26	166.47
Hs.646187	15.29	chr13	N/A	3	61.52
GAGE2C	15.29	chrX	Xp11.23	52	141.80
SULT2A1	15.29	chr19	19q13.3	43	229.48
Hs.655047	15.29	chr12	N/A	1	0.00
Hs.259664	15.29	chr1	N/A	8	143.22
Hs.659012	15.29	chr12	N/A	7	50.00
ADAM22	15.29	chr7	7q21	118	240.25
DCDC5	15.29	chr11	11p14.1	33	110.87
Hs.573851	15.29	chr10	N/A	3	99.31
Hs.605798	15.28	chr17	N/A	1	0.00
Hs.445843	15.28	chr2	N/A	11	85.83
Hs.551277	15.28	chr1	N/A	3	61.61
Hs.666664	15.28	chrX	N/A	8	72.47
SIX6	15.28	chr14	14q23.1	28	61.75
FZD10	15.28	chr12	12q24.33	18	43.04
Hs.148435	15.28	chr4	N/A	6	85.44
Hs.116631	15.28	chr14	N/A	4	43.27
Hs.547180	15.28	chr9	N/A	3	83.94
Hs.563715	15.28	chr1	N/A	3	21.15
Hs.127874	15.28	chr5	N/A	5	80.37
Hs.562756	15.28	chr18	N/A	3	48.46
OPN4	15.27	chr10	10q22	22	63.67
Hs.541520	15.27	chr2	N/A	3	50.91

Hs.522263	15.27	chr9	N/A	3	49.83
SPIN2A	15.27	chrX	Xp11.1	10	55.38
LOC646071	15.27	chr15	15q11.1	3	47.93
RFWD3	15.27	chr16	16q23.1	28	131.15
Hs.663638	15.27	chr6	N/A	21	76.96
Hs.586259	15.27	chr6	N/A	3	99.33
Hs.545085	15.26	chr7	N/A	3	68.01
FGF16	15.26	chrX	Xq13	21	73.66
BMX	15.26	chrX	Xp22.2	44	64.38
LOC100129027	15.26	chr21	21q22.3	3	37.96
CXorf48	15.26	chrX	Xq26.3	27	71.17
MCHR1	15.26	chr22	22q13.2	30	106.18
Hs.137731	15.26	chr17	N/A	17	86.41
Hs.565580	15.26	chr2	N/A	3	13.78
Hs.89303	15.26	chr3	N/A	7	82.58
Hs.540094	15.26	chr14	N/A	3	62.45
Hs.565475	15.26	chr2	N/A	3	45.99
Hs.639354	15.26	chr18	N/A	1	0.00
SPTY2D1	15.26	chr11	11p15.1	41	70.07
Hs.127090	15.26	chr9	N/A	5	65.90
LOC100616530	15.26	chr8	N/A	3	25.69
Hs.666405	15.25	chr11	N/A	2	5.05
PIP5KL1	15.25	chr9	9q34.11	17	47.43
SOX6	15.25	chr11	11p15.3	107	128.56
Hs.567085	15.25	chr9	N/A	3	70.60
Hs.112740	15.25	chr4	N/A	8	108.03
ARGFX	15.25	chr3	3q13.33	5	99.94
Hs.635110	15.25	chr2	N/A	5	64.65
Hs.146962	15.25	chr6	N/A	6	76.67
ZACN	15.25	chr17	17q25.3	23	134.76
GRM5	15.25	chr11	11q14.3	53	120.99
CDKL2	15.25	chr4	4q21.1	41	274.99
Hs.543771	15.25	chr4	N/A	3	87.37
Hs.575555	15.24	chr8	N/A	3	84.08
MTHFD2L	15.24	chr4	4q13.3	56	117.43
Hs.445482	15.24	chr2	N/A	1	0.00
Hs.660949	15.24	chr3	N/A	15	66.67
Hs.542955	15.24	chr3	N/A	3	48.21
CACNG1	15.24	chr17	17q24	37	146.72
Hs.546132	15.24	chrX	N/A	3	56.76
BOLA3-AS1	15.23	chr2	N/A	22	153.52
Hs.657994	15.23	chr6	N/A	17	95.47
CIB3	15.23	chr19	19p13.12	20	68.23
ZNF425	15.23	chr7	7q36.1	29	77.28
CHI3L1	15.23	chr1	1q32.1	43	72.93
Hs.624244	15.23	chr2	N/A	10	42.15
VASH2	15.23	chr1	1q32.3	39	73.18
Hs.659469	15.23	chr17	N/A	16	82.56
Hs.572243	15.23	chr13	N/A	3	23.63
CALCA	15.23	chr11	11p15.2	48	104.85
ZNRF4	15.22	chr19	19p13.3	29	135.83
MOBP	15.22	chr3	3p22.1	73	90.04
RAET1G	15.22	chr6	6q24.1-q25.1	9	69.73
Hs.551743	15.22	chr21	N/A	1	0.00
DNAAF3	15.22	chr19	19q13.4	21	101.24
ZNF835	15.22	chr19	19q13.43	21	137.39
Hs.690052	15.22	chr1	N/A	11	57.02
Hs.129493	15.22	chr3	N/A	3	79.63
Hs.375809	15.22	chr14	N/A	11	50.93
ZNF124	15.22	chr1	1q44	51	88.16
Hs.571662	15.22	chr9	N/A	3	10.42
Hs.659971	15.22	chr12	N/A	18	62.77
CACNG8	15.21	chr19	19q13.4	34	96.48
CCR10	15.21	chr17	17q21.1-q21.3	21	65.15
FAM166B	15.21	chr9	9p13.3	10	53.11
Hs.696546	15.21	chr6	N/A	7	39.45

GPR160	15.21	chr3	3q26.2-q27	31	58.45
Hs.130260	15.21	chrY	N/A	11	63.89
LOC100131053	15.21	chr1	1p36.13	14	97.14
Hs.153290	15.21	chr5	N/A	4	64.13
Hs.538818	15.20	chr11	N/A	3	32.19
Hs.727276	15.20	chr2	N/A	3	48.30
NOS2	15.20	chr17	17q11.2-q12	56	82.90
Hs.563406	15.20	chr6	N/A	10	81.85
Hs.566021	15.20	chr4	N/A	3	22.92
SPATC1	15.20	chr8	8q24.3	25	96.64
Hs.575269	15.20	chr5	N/A	3	51.18
Hs.544881	15.20	chr7	N/A	3	48.47
Hs.202510	15.20	chr6	N/A	7	94.11
Hs.613775	15.20	chr9	N/A	5	17.55
Hs.541630	15.20	chr2	N/A	3	65.04
Hs.596865	15.20	chr10	N/A	8	92.60
ALPI	15.20	chr2	2q37.1	33	142.27
Hs.538833	15.19	chr11	N/A	3	62.93
Hs.713827	15.19	chr2	N/A	7	105.41
Hs.519164	15.19	chr4	N/A	3	22.91
Hs.640521	15.19	chr20	N/A	3	57.39
Hs.603269	15.19	chr12	N/A	3	8.13
Hs.509213	15.19	chr5	N/A	8	88.89
Hs.225044	15.19	chr20	N/A	10	46.88
Hs.564704	15.19	chr14	N/A	3	41.07
NEFH	15.19	chr22	22q12.2	35	104.20
TMSB15A	15.19	chrX	Xq21.33-q22.3	23	68.50
Hs.659407	15.19	chr7	N/A	7	98.28
LGALS14	15.19	chr19	19q13.2	31	101.17
Hs.613865	15.18	chr18	N/A	1	0.00
LIMK1	15.18	chr7	7q11.23	51	73.23
BRAP	15.18	chr12	12q24	52	76.03
LOC100506051	15.18	chr1	N/A	20	82.90
ZNF624	15.18	chr17	17p11.2	29	123.79
Hs.581148	15.18	chr3	N/A	3	21.78
Hs.680514	15.18	chr16	N/A	1	0.00
Hs.734608	15.18	chr11	N/A	1	0.00
WBSR27	15.18	chr7	7q11.23	14	89.16
ZNF664-FAM101A	15.17	chr12	12q24.31	36	102.87
Hs.539367	15.17	chr12	N/A	10	44.04
TFAP2E	15.17	chr1	1p34.3	19	48.99
Hs.382105	15.17	chr17	N/A	1	0.00
Hs.21641	15.17	chr21	N/A	11	74.87
Hs.671113	15.17	chr1	N/A	20	127.45
Hs.123555	15.17	chr6	N/A	10	71.63
JMJD1C-AS1	15.17	chr10	10q21.3	30	70.52
EFCC1	15.17	chr3	3q21.3	25	64.74
Hs.562301	15.17	chr10	N/A	3	54.89
Hs.125959	15.17	chr10	N/A	5	80.71
Hs.566241	15.17	chr5	N/A	3	39.27
Hs.732645	15.16	chr3	N/A	18	71.44
Hs.710637	15.16	chr7	N/A	1	0.00
Hs.661268	15.16	chr7	N/A	1	0.00
Hs.385774	15.16	chr18	N/A	4	140.06
Hs.669876	15.16	chr1	N/A	1	0.00
Hs.277686	15.16	chr6	N/A	3	33.35
NEU4	15.16	chr2	2q37.3	27	171.70
DMGDH	15.16	chr5	5q14.1	36	143.91
Hs.581067	15.16	chr22	N/A	3	58.19
Hs.564060	15.16	chr10	N/A	17	73.61
Hs.306900	15.15	chr17	N/A	14	51.62
Hs.624376	15.15	chr8	N/A	7	95.20
LINC00266-1	15.15	chr20	20q13.33	2	13.41
Hs.660660	15.15	chr16	N/A	5	80.09
ENTPD3	15.15	chr3	3p21.3	44	95.21
Hs.564416	15.15	chr12	N/A	3	66.90

Hs.732862	15.15	chr6	N/A	14	89.86
Hs.735462	15.15	chr9	N/A	3	137.90
Hs.665287	15.15	chr12	N/A	7	84.28
Hs.680892	15.15	chr9	N/A	3	73.06
LRP1B	15.15	chr2	2q21.2	32	130.66
Hs.611129	15.15	chr2	N/A	1	0.00
CHRNA10	15.15	chr11	11p15.5	22	50.21
Hs.197597	15.14	chr8	N/A	4	45.34
Hs.524108	15.14	chr11	N/A	10	81.15
Hs.666838	15.14	chr7	N/A	8	19.96
TTY10	15.14	chrY	Yq11.221	16	151.83
Hs.147829	15.14	chr7	N/A	5	59.48
Hs.565309	15.14	chr2	N/A	3	78.10
PCDHB7	15.14	chr5	5q31	24	57.17
ZNF568	15.13	chr19	19q13.12	55	96.91
Hs.524053	15.13	chr11	N/A	3	50.17
Hs.661377	15.13	chr15	N/A	11	28.43
DEFB104B	15.13	chr8	8p23.1	5	145.07
OR7A17	15.13	chr19	19p13.12	21	54.58
Hs.27996	15.13	chr4	N/A	15	98.81
LINC00337	15.13	chr1	1p36.31	17	244.82
VSTM4	15.13	chr10	10q11.23	83	90.03
Hs.666994	15.13	chr15	N/A	7	154.52
Hs.541248	15.13	chr19	N/A	3	40.36
Hs.657847	15.13	chr12	N/A	7	72.32
Hs.580444	15.12	chr2	N/A	3	68.64
DENND2D	15.12	chr1	1p13.3	38	105.51
Hs.539867	15.12	chr14	N/A	3	53.31
Hs.723273	15.12	chr5	N/A	10	35.00
LINC00612	15.12	chr12	12p13.31	17	66.13
C11orf53	15.12	chr11	11q23.1	14	108.43
Hs.563180	15.12	chr3	N/A	3	15.54
GALNT7	15.12	chr4	4q31.1	25	61.41
GPLD1	15.12	chr6	6p22.1	96	129.36
Hs.731587	15.12	chr10	N/A	7	50.89
LOC100288310	15.12	chr8	8q13.3	4	65.77
BIK	15.12	chr22	22q13.31	35	95.38
Hs.559577	15.12	chr1	N/A	3	49.23
C17orf107	15.12	chr17	17p13.2	3	82.01
NECAB2	15.12	chr16	16q23.3	30	87.57
LEFTY2	15.12	chr1	1q42.1	37	78.32
Hs.660264	15.11	chr21	N/A	2	96.21
Hs.538950	15.11	chr11	N/A	3	25.62
Hs.518430	15.11	chr3	N/A	3	59.24
Hs.541125	15.11	chr18	N/A	3	79.19
AMHR2	15.11	chr12	12q13	30	100.79
Hs.572059	15.11	chr11	N/A	3	21.06
Hs.537679	15.11	chr1	N/A	3	75.19
OIP5	15.11	chr15	15q15.1	26	73.52
PRAMEF19	15.11	chr1	1p36.21	3	49.49
Hs.538017	15.11	chr1	N/A	3	47.36
FRRS1	15.11	chr1	1p21.2	20	101.04
Hs.49181	15.11	chr7	N/A	5	62.05
MATN1	15.11	chr1	1p35	46	77.49
S100A5	15.11	chr1	1q21	23	72.79
GAB4	15.10	chr22	22q11.1	6	64.79
Hs.661037	15.10	chr6	N/A	1	0.00
Hs.553386	15.10	chr18	N/A	3	37.17
Hs.662501	15.10	chr12	N/A	1	0.00
TRD	15.10	chr14	14q11.2	15	81.18
POTEC	15.10	chr18	18p11.21	14	71.13
CCDC74B-AS1	15.10	chr2	2q21.2	1	0.00
DSPP	15.10	chr4	4q21.3	21	185.65
PFN4	15.10	chr2	2p23.3	20	95.23
Hs.669778	15.10	chr20	N/A	1	0.00
Hs.733645	15.10	chr16	N/A	1	0.00

FOXP3	15.10	chrX	Xp11.23	27	76.97
HPSE	15.10	chr4	4q21.3	42	87.49
Hs.663946	15.09	chr12	N/A	7	68.81
Hs.667405	15.09	chr1	N/A	17	69.16
MYBPC2	15.09	chr19	19q13.33	28	63.54
Hs.579516	15.09	chr18	N/A	3	24.69
CABP1	15.09	chr12	12q24.31	46	174.99
CDK1	15.09	chr10	10q21.1	80	111.17
OR5T2	15.09	chr11	11q12.1	20	68.83
Hs.571207	15.09	chr6	N/A	3	33.02
Hs.657007	15.09	chr4	N/A	9	68.77
Hs.122053	15.09	chr4	N/A	11	83.16
Hs.623813	15.09	chr10	N/A	4	60.27
OPTC	15.09	chr1	1q32.1	19	68.04
Hs.718571	15.09	chr20	N/A	18	82.08
Hs.578072	15.08	chr13	N/A	3	71.62
Hs.595319	15.08	chr2	N/A	10	94.32
Hs.659586	15.08	chr3	N/A	2	75.93
Hs.659057	15.08	chr1	N/A	7	46.94
Hs.148886	15.08	chr11	N/A	3	54.43
Hs.543703	15.08	chr4	N/A	3	72.99
Hs.676055	15.08	chr12	N/A	11	228.32
ZNF382	15.08	chr19	19q13.12	20	56.21
Hs.246726	15.08	chr6	N/A	3	50.11
RBM48	15.08	chr7	7q21.2	34	77.61
Hs.478064	15.08	chr3	N/A	20	84.26
Hs.648756	15.08	chr17	N/A	16	51.21
CYP2E1	15.08	chr10	10q26.3	57	97.26
Hs.570098	15.07	chr2	N/A	15	101.37
OR2F2	15.07	chr7	7q35	13	58.58
Hs.563887	15.07	chr1	N/A	3	24.76
Hs.599692	15.07	chr10	N/A	3	71.99
LOC100505501	15.07	chr8	N/A	4	53.17
ABCA10	15.07	chr17	17q24	28	71.89
TMPRSS6	15.07	chr22	22q12.3	47	157.36
Hs.408167	15.07	chr4	N/A	7	96.59
ABCA12	15.07	chr2	2q34	43	138.97
Hs.665951	15.07	chr7	N/A	1	0.00
LOC100507266	15.06	chr4	N/A	14	69.56
VENTX	15.06	chr10	10q26.3	30	106.86
Hs.433029	15.06	chr3	N/A	4	31.52
KRTAP3-1	15.06	chr17	17q12-q21	19	61.14
LOC642533	15.06	chr16	16q24.3	8	79.56
Hs.543726	15.06	chr4	N/A	3	64.26
Hs.581740	15.06	chr4	N/A	3	34.10
MARCH8	15.06	chr10	10q11.21	42	114.28
Hs.673610	15.06	chr3	N/A	11	175.89
C18orf42	15.06	chr18	18p11.31	4	94.08
TRIM66	15.06	chr11	11p15.4	38	52.20
C1orf189	15.06	chr1	1q21.3	10	51.63
APLF	15.06	chr2	2p13.3	54	134.16
Hs.659310	15.06	chr18	N/A	4	98.06
LIPJ	15.05	chr10	10q23.31	13	79.92
LOC100506753	15.05	chr8	N/A	8	89.53
Hs.663310	15.05	chr8	N/A	7	83.98
Hs.292062	15.05	chr3	N/A	5	78.35
PRCD	15.05	chr17	17q25.1	4	99.39
C17orf47	15.05	chr17	17q22	16	68.85
RAB17	15.05	chr2	2q37.3	28	111.93
MAATS1	15.05	chr3	3q12-q13.3	62	157.07
C11orf65	15.04	chr11	11q22.3	27	102.61
ADAMTS19	15.04	chr5	5q23.3	24	139.75
DLEC1	15.04	chr3	3p21.3	46	130.24
Hs.658868	15.04	chr15	N/A	23	120.29
Hs.561929	15.04	chr9	N/A	11	47.94
Hs.544100	15.04	chr5	N/A	3	77.20

ZC3H12D	15.04	chr6	6q25.1	13	183.70
TMPRSS3	15.04	chr21	21q22.3	44	105.10
EFCAB11	15.04	chr14	14q32.11	48	78.07
KIAA1009	15.04	chr6	6q14.3	45	75.25
Hs.673959	15.04	chr14	N/A	2	54.85
Hs.659100	15.04	chr5	N/A	7	85.13
Hs.674772	15.04	chr19	N/A	1	0.00
AFF3	15.03	chr2	2q11.2-q12	118	120.63
Hs.560530	15.03	chr17	N/A	3	85.52
Hs.24040	15.03	chr2	N/A	25	100.87
Hs.581585	15.03	chr3	N/A	3	41.20
RLN1	15.03	chr9	9p24.1	44	109.38
AIPL1	15.03	chr17	17p13.1	41	147.38
Hs.673507	15.03	chr6	N/A	1	0.00
Hs.664762	15.03	chr6	N/A	7	104.25
Hs.128933	15.03	chr3	N/A	3	66.70
Hs.560095	15.03	chr12	N/A	3	85.45
Hs.565972	15.03	chr3	N/A	3	21.20
MROH2B	15.03	chr5	5p13.1	37	122.63
Hs.536953	15.03	chr9	N/A	1	0.00
ARHGEF4	15.03	chr2	2q22	53	92.72
Hs.713963	15.03	chr4	N/A	7	68.10
TSSK1B	15.03	chr5	5q22.2	24	77.65
HIPK4	15.02	chr19	19q13.2	19	71.61
GPR42	15.02	chr19	19q13.1	11	29.07
Hs.545667	15.02	chr9	N/A	3	54.04
Hs.656807	15.02	chr8	N/A	11	69.33
Hs.659045	15.02	chr3	N/A	7	28.50
Hs.15956	15.02	chr4	N/A	3	79.65
PRMT5-AS1	15.02	chr14	N/A	11	209.83
Hs.653061	15.02	chr3	N/A	3	50.64
Hs.549659	15.02	chr5	N/A	3	94.28
Hs.655347	15.02	chr6	N/A	8	86.28
IKBIP	15.02	chr12	12q23.1	42	137.46
Hs.709156	15.02	chr15	N/A	7	76.15
Hs.368743	15.02	chr20	N/A	10	65.01
Hs.128068	15.02	chr13	N/A	6	53.28
Hs.602583	15.02	chr4	N/A	18	43.75
Hs.658586	15.02	chr2	N/A	11	53.95
CCRL1	15.01	chr3	3q22	40	61.06
Hs.680584	15.01	chr2	N/A	10	37.11
Hs.165751	15.01	chr16	N/A	3	69.41
Hs.720723	15.01	chr13	N/A	6	38.61
Hs.655803	15.01	chr4	N/A	7	33.95
Hs.349122	15.01	chr11	N/A	10	179.08
Hs.554137	15.01	chr14	N/A	3	30.74
KCNK9	15.01	chr8	8q24.3	26	87.29
Hs.567783	15.01	chr16	N/A	7	82.77
Hs.584631	15.01	chrX	N/A	3	79.10
Hs.601021	15.00	chr3	N/A	7	69.56
Hs.598152	15.00	chr12	N/A	3	71.53
Hs.668168	15.00	chr9	N/A	2	54.14
SDCBP2-AS1	15.00	chr20	N/A	32	69.32
RELL2	15.00	chr5	5q31.3	27	72.69
NPFFR1	15.00	chr10	10q21-q22	19	95.66
C12orf56	15.00	chr12	12q14.2	23	66.16
Hs.256080	15.00	chr7	N/A	3	106.03
Hs.559677	15.00	chr1	N/A	1	0.00
Hs.550095	15.00	chrX	N/A	3	39.40
KIAA1731	14.99	chr11	11q21	28	88.35
Hs.473495	14.99	chr1	N/A	6	67.98
TRIM5	14.99	chr11	11p15	57	67.21
Hs.149648	14.99	chr5	N/A	7	120.71
NOBOX	14.99	chr7	7q35	7	84.88
Hs.307606	14.99	chr5	N/A	5	26.26
Hs.666640	14.99	chr1	N/A	3	120.09

FAM19A4	14.99	chr3	3p14.1	32	96.69
Hs.561226	14.99	chr3	N/A	3	78.53
Hs.600699	14.98	chr18	N/A	7	48.36
Hs.261314	14.98	chr8	N/A	10	72.62
Hs.538134	14.98	chr1	N/A	3	8.78
Hs.551062	14.98	chr5	N/A	13	53.02
Hs.563408	14.98	chr6	N/A	3	63.74
PCDHA13	14.98	chr5	5q31	5	51.91
AIM2	14.98	chr1	1q22	35	93.19
Hs.370168	14.98	chr17	N/A	5	61.42
Hs.543649	14.98	chr4	N/A	3	71.01
MEX3A	14.98	chr1	1q22	22	69.55
Hs.127404	14.98	chr13	N/A	7	143.80
XKR5	14.98	chr8	8p23.1	16	59.24
LOC387720	14.98	chr10	10q26.2	3	80.12
Hs.545118	14.98	chr7	N/A	3	50.41
Hs.669903	14.97	chr18	N/A	1	0.00
BCDIN3D-AS1	14.97	chr12	12q13.13	9	51.31
Hs.544348	14.97	chr6	N/A	3	53.07
Hs.597301	14.97	chr2	N/A	7	89.65
LRRC71	14.97	chr1	1q23.1	24	120.73
CNTN6	14.97	chr3	3p26-p25	30	99.84
Hs.197064	14.97	chr2	N/A	3	51.46
LOC100144602	14.97	chr4	N/A	14	27.03
LOC100507291	14.97	chr3	N/A	8	49.12
Hs.606377	14.97	chr2	N/A	3	60.46
Hs.586797	14.97	chr12	N/A	12	35.13
CCDC64B	14.97	chr16	16p13.3	17	106.38
Hs.259483	14.96	chr18	N/A	3	74.22
RHOXF1	14.96	chrX	Xq24	19	179.57
SGTB	14.96	chr5	5q12.3	47	93.70
Hs.651175	14.96	chr5	N/A	8	111.71
Hs.253531	14.96	chr12	N/A	3	47.04
Hs.634675	14.96	chr15	N/A	8	47.42
Hs.450769	14.96	chr12	N/A	3	9.53
Hs.577266	14.96	chr11	N/A	3	18.18
C8orf46	14.96	chr8	8q13.1	36	132.16
Hs.565754	14.95	chr21	N/A	3	76.04
WNT9A	14.95	chr1	1q42	27	105.32
Hs.594653	14.95	chr4	N/A	3	4.09
Hs.545045	14.95	chr7	N/A	3	32.05
Hs.439136	14.95	chr18	N/A	3	59.50
CARD17	14.95	chr11	11q22.3	16	51.90
BARHL1	14.95	chr9	9q34	29	119.60
XKR4	14.95	chr8	8q12.1	23	87.18
ERI2	14.95	chr16	16p12.3	42	73.44
CDC42BPG	14.95	chr11	11q13.1	20	49.81
Hs.543105	14.95	chr3	N/A	3	48.81
TRIM65	14.95	chr17	17q25.1	37	96.21
LINC00442	14.95	chr13	13q12.11	8	25.26
Hs.738696	14.95	chr3	N/A	3	30.73
Hs.562927	14.95	chr2	N/A	3	24.76
OR5AS1	14.95	chr11	11q12.1	5	57.26
LOC100130111	14.94	chr15	15q13.1	2	111.33
Hs.579710	14.94	chr19	N/A	3	55.56
Hs.597651	14.94	chr2	N/A	7	83.32
Hs.170557	14.94	chr5	N/A	4	50.69
NABP1	14.94	chr2	2q32.3	34	125.04
Hs.658182	14.94	chr14	N/A	7	81.57
OR6X1	14.94	chr11	11q24.1	11	115.41
Hs.127536	14.94	chr3	N/A	3	91.44
Hs.593277	14.94	chr19	N/A	8	89.25
Hs.600342	14.94	chr1	N/A	11	123.17
Hs.566651	14.94	chr7	N/A	3	51.50
Hs.544128	14.94	chr5	N/A	3	55.56
SLC5A4	14.94	chr22	22q12.3	28	110.87

PASK	14.94	chr2	2q37.3	54	67.95
Hs.584295	14.94	chr9	N/A	3	84.64
LINC00905	14.94	chr19	19p13.12	17	204.04
Hs.664697	14.94	chr3	N/A	7	83.81
LOC100505633	14.93	chr1	1q21-q23	15	61.13
Hs.744196	14.93	chr11	N/A	7	60.41
Hs.594242	14.93	chr3	N/A	7	67.78
TTY15	14.93	chrY	Yq11.1	32	85.63
LEMD1	14.93	chr1	1q32.1	21	189.36
Hs.662901	14.93	chr10	N/A	1	0.00
Hs.560576	14.92	chr11	N/A	3	65.69
PKHD1	14.92	chr6	6p12.2	70	213.99
Hs.432338	14.92	chr7	N/A	10	106.62
Hs.176083	14.92	chr4	N/A	18	57.24
Hs.545889	14.92	chr9	N/A	3	89.47
LINC00324	14.92	chr17	17p13.1	27	78.43
Hs.544703	14.92	chr6	N/A	3	55.13
Hs.544142	14.92	chr5	N/A	3	58.10
RNASE3	14.92	chr14	14q24-q31	23	148.52
Hs.127669	14.92	chr5	N/A	14	126.78
LOC100133985	14.92	chr2	2p13.3	4	42.13
Hs.616890	14.92	chr7	N/A	1	0.00
Hs.650212	14.92	chr10	N/A	3	34.72
Hs.552359	14.91	chr12	N/A	10	139.67
LINC00597	14.91	chr15	15q23-q24	30	96.62
NPIPL2	14.91	chr16	16q23.1	5	105.05
PPP1R17	14.91	chr7	7p15	36	81.69
SLC24A1	14.91	chr15	15q22	74	130.01
Hs.129729	14.91	chr1	N/A	7	50.33
Hs.546113	14.91	chrX	N/A	3	70.00
Hs.735790	14.91	chr13	N/A	1	0.00
Hs.677078	14.91	chr13	N/A	2	95.43
Hs.744598	14.91	chr15	N/A	8	15.82
SNORD42B	14.91	chr17	17q11	3	64.06
PNOC	14.91	chr8	8p21	28	83.08
Hs.549551	14.90	chr18	N/A	3	47.84
TLX1	14.90	chr10	10q24	30	107.27
Hs.386735	14.90	chr20	N/A	9	113.04
Hs.123483	14.90	chr4	N/A	3	16.86
Hs.364594	14.90	chr4	N/A	3	36.25
Hs.580088	14.90	chr2	N/A	3	82.31
KRTAP13-1	14.90	chr21	21q22.1	20	86.71
NR1I3	14.90	chr1	1q23.3	40	114.02
CACNG5	14.90	chr17	17q24	38	75.82
Hs.539354	14.90	chr12	N/A	10	77.16
LINC00544	14.90	chr13	13q12.3	4	61.31
APOBEC1	14.90	chr12	12p13.1	35	110.95
Hs.570284	14.90	chr2	N/A	3	13.31
OR52I1	14.89	chr11	11p15.4	6	62.37
Hs.596532	14.89	chr6	N/A	3	48.70
AP1AR	14.89	chr4	4q25	36	76.98
Hs.592747	14.89	chr16	N/A	5	23.33
Hs.513817	14.89	chr15	N/A	7	66.85
Hs.656663	14.89	chr2	N/A	24	102.93
Hs.583991	14.89	chr9	N/A	3	29.02
Hs.520628	14.89	chr7	N/A	5	58.47
TLDC1	14.89	chr16	16q24.1	62	67.66
Hs.491799	14.89	chr13	N/A	3	75.41
Hs.634118	14.89	chr3	N/A	3	56.95
Hs.650077	14.88	chr7	N/A	3	50.99
MYCL1	14.88	chr1	1p34.2	62	90.02
CCDC40	14.88	chr17	17q25.3	55	119.60
Hs.565019	14.88	chr17	N/A	7	85.10
LOC100506236	14.88	chr7	N/A	14	111.18
Hs.597413	14.88	chr2	N/A	15	79.68
Hs.567934	14.88	chr19	N/A	1	0.00

Hs.561808	14.88	chr8	N/A	10	106.88
Hs.545946	14.88	chrX	N/A	3	49.41
Hs.526859	14.88	chr4	N/A	3	89.34
Hs.664374	14.88	chr11	N/A	15	79.07
Hs.584587	14.88	chrX	N/A	3	38.21
FLJ40292	14.88	chr9	9q34.3	21	68.84
Hs.519190	14.88	chr5	N/A	3	54.12
Hs.639791	14.87	chr2	N/A	3	14.47
DDC	14.87	chr7	7p12.2	42	85.85
DLEU2	14.87	chr13	13q14.3	57	119.30
Hs.544941	14.87	chr7	N/A	3	25.02
Hs.733997	14.87	chr6	N/A	14	67.51
Hs.564637	14.87	chr14	N/A	3	48.77
P2RX1	14.87	chr17	17p13.3	35	59.83
LOC286178	14.87	chr8	8q12.1	4	93.31
OR10J5	14.87	chr1	1q23.2	13	45.22
FAM225B	14.87	chr9	9q32	31	129.03
APOA4	14.87	chr11	11q23	47	104.80
Hs.535726	14.87	chr3	N/A	3	147.68
Hs.624661	14.87	chr8	N/A	8	14.85
Hs.721864	14.86	chr1	N/A	10	91.35
Hs.163526	14.86	chr8	N/A	3	67.24
Hs.539859	14.86	chr14	N/A	3	50.26
TTY11	14.86	chrY	Yp11.2	19	92.82
Hs.543471	14.86	chr4	N/A	3	45.95
LOC100996667	14.86	chr9	N/A	4	33.67
Hs.680472	14.86	chr15	N/A	1	0.00
Hs.722334	14.86	chr11	N/A	3	18.98
POU6F2	14.86	chr7	7p14.1	39	96.10
Hs.666773	14.86	chr17	N/A	14	154.56
LOC653160	14.86	chr1	1p34.3	13	84.39
Hs.148693	14.86	chr18	N/A	5	47.94
Hs.653392	14.86	chr5	N/A	7	53.39
IDH1-AS1	14.85	chr2	N/A	1	0.00
Hs.122940	14.85	chr3	N/A	20	102.35
CDH6	14.85	chr5	5p13.3	103	100.73
PRR14L	14.85	chr22	22q12.2	33	73.11
SST	14.85	chr3	3q28	32	90.19
LHX1	14.85	chr17	17q12	32	63.02
Hs.594665	14.85	chr8	N/A	9	83.95
Hs.547825	14.85	chr9	N/A	10	131.81
Hs.599249	14.85	chr2	N/A	8	87.45
Hs.536009	14.85	chr1	N/A	8	58.68
Hs.209281	14.85	chr5	N/A	3	97.52
Hs.569195	14.85	chr12	N/A	1	0.00
Hs.645803	14.85	chr12	N/A	7	88.55
Hs.439074	14.84	chr6	N/A	8	107.56
RASA2	14.84	chr3	3q22-q23	41	86.89
Hs.713947	14.84	chr5	N/A	1	0.00
LAX1	14.84	chr1	1q32.1	40	88.77
Hs.660659	14.84	chr8	N/A	12	76.20
Hs.543390	14.84	chr4	N/A	3	35.40
Hs.657966	14.84	chr10	N/A	7	101.14
ANH1	14.84	chr12	12q24.33	14	164.59
LRFN5	14.84	chr14	14q21.1	27	148.67
Hs.468858	14.84	chr2	N/A	3	102.24
Hs.539113	14.84	chr12	N/A	3	81.47
Hs.578401	14.84	chr15	N/A	3	49.62
Hs.560544	14.83	chr17	N/A	3	43.50
Hs.582144	14.83	chr5	N/A	3	48.95
FSHR	14.83	chr2	2p21-p16	28	66.32
Hs.636216	14.83	chr2	N/A	3	43.01
GALNT8	14.82	chr12	12p13.3	21	74.24
PRKAG3	14.82	chr2	2q35	18	121.04
Hs.573709	14.82	chr1	N/A	3	27.85
Hs.561948	14.82	chr9	N/A	3	27.20

Hs.561040	14.82	chr21	N/A	3	33.20
Hs.657534	14.82	chr15	N/A	3	130.79
FAM223B	14.82	chrX	Xq28	1	0.00
LOC286359	14.82	chr9	9q22.33	14	198.51
Hs.537842	14.82	chr1	N/A	3	79.22
Hs.626164	14.82	chr8	N/A	7	118.06
C19orf80	14.82	chr19	19p13.2	21	84.35
Hs.522635	14.82	chrX	N/A	3	27.83
Hs.561824	14.81	chr8	N/A	1	0.00
Hs.129003	14.81	chr15	N/A	7	59.61
LOC390956	14.81	chr19	19q13.41	3	96.63
Hs.542878	14.81	chr3	N/A	3	57.35
Hs.732588	14.81	chr5	N/A	5	121.62
Hs.580363	14.81	chr2	N/A	3	71.37
OR10T2	14.81	chr1	1q23.1	16	75.66
Hs.603632	14.81	chr18	N/A	2	53.32
Hs.570344	14.81	chr20	N/A	5	49.01
Hs.659243	14.81	chr12	N/A	22	143.38
Hs.677111	14.81	chr6	N/A	2	52.63
LOC100131829	14.81	chr4	4q23	14	86.89
Hs.662241	14.81	chr13	N/A	7	118.25
Hs.79953	14.81	chr12	N/A	1	0.00
Hs.158797	14.80	chr10	N/A	5	44.08
ASIC4	14.80	chr2	2q35	27	78.96
NR0B1	14.80	chrX	Xp21.3	35	91.12
Hs.661673	14.80	chr8	N/A	1	0.00
Hs.150858	14.80	chr6	N/A	7	98.52
Hs.121415	14.80	chr8	N/A	5	44.12
Hs.649186	14.80	chr22	N/A	3	57.29
AGMO	14.80	chr7	7p21.2	16	44.62
TEC	14.80	chr4	4p12	38	132.63
B3GAT1	14.80	chr11	11q25	41	104.49
SCGB2A1	14.80	chr11	11q13	40	120.66
PRM1	14.80	chr16	16p13.2	30	68.72
LOC100507463	14.80	chr6	N/A	2	5.21
KRTAP12-1	14.80	chr21	21q22.3	13	74.74
D21S2088E	14.80	chr21	N/A	19	166.44
RNASE7	14.79	chr14	14q11.2	18	140.30
Hs.147761	14.79	chr12	N/A	5	74.52
FERD3L	14.79	chr7	7p21.1	19	99.55
EDN3	14.79	chr20	20q13.2-q13.3	38	110.85
Hs.544533	14.79	chr6	N/A	3	70.26
DAZ1	14.79	chrY	Yq11.223	53	87.92
LRRC45	14.79	chr17	17q25.3	23	83.78
Hs.565753	14.79	chr21	N/A	3	40.52
Hs.553350	14.79	chr13	N/A	3	84.45
OTUD3	14.79	chr1	1p36.13	37	72.32
TMEM63C	14.79	chr14	14q24.3	9	64.84
Hs.434261	14.79	chr21	N/A	4	60.46
OR51S1	14.79	chr11	11p15.4	5	74.74
CLCN5	14.79	chrX	Xp11.23-p11.22	41	85.01
Hs.543953	14.79	chr5	N/A	3	51.10
Hs.97467	14.78	chr2	N/A	3	48.04
Hs.684237	14.78	chr7	N/A	3	51.72
Hs.638474	14.78	chr18	N/A	3	26.52
LRRC8E	14.78	chr19	19p13.2	37	81.93
Hs.127009	14.78	chr6	N/A	11	55.75
Hs.120938	14.78	chr10	N/A	11	92.60
Hs.712748	14.78	chr8	N/A	5	59.75
Hs.738066	14.78	chr11	N/A	3	55.29
Hs.543235	14.78	chr3	N/A	1	0.00
Hs.661794	14.77	chr9	N/A	1	0.00
Hs.633791	14.77	chr19	N/A	1	0.00
FAM72C	14.77	chr1	1q21.2	1	0.00
Hs.539441	14.77	chr12	N/A	3	16.94
Hs.650340	14.77	chr2	N/A	3	93.52

KCNJ1	14.77	chr11	11q24	51	115.64
Hs.667784	14.77	chr11	N/A	14	49.56
Hs.657719	14.77	chr17	N/A	3	75.46
Hs.578310	14.77	chr14	N/A	3	94.00
INSL4	14.77	chr9	9p24	38	110.23
Hs.535913	14.77	chr8	N/A	7	194.26
Hs.97558	14.76	chr9	N/A	3	61.32
Hs.582073	14.76	chr4	N/A	3	67.42
SPATA6	14.76	chr1	1p33	50	80.85
CAMKMT	14.76	chr2	2p21	53	113.35
SLC36A3	14.76	chr5	5q33.1	37	69.71
CEP55	14.76	chr10	10q23.33	25	94.77
Hs.523151	14.76	chr1	N/A	2	25.29
MMP27	14.76	chr11	11q24	28	68.24
Hs.720341	14.76	chr8	N/A	5	44.88
Hs.564578	14.76	chr13	N/A	3	47.94
PTGER3	14.76	chr1	1p31.2	166	82.26
DAZL	14.76	chr3	3p24.3	33	140.79
Hs.666612	14.76	chr8	N/A	7	63.07
Hs.565468	14.76	chr2	N/A	3	50.82
Hs.645710	14.76	chr11	N/A	5	46.37
Hs.666856	14.76	chr5	N/A	7	46.76
Hs.545394	14.76	chr8	N/A	3	97.07
OR1E1	14.76	chr17	17p13.3	23	77.19
Hs.720596	14.76	chr12	N/A	12	39.39
TGM5	14.76	chr15	15q15.2	32	88.89
Hs.566572	14.76	chr6	N/A	3	28.52
Hs.598823	14.75	chr8	N/A	11	56.57
Hs.640512	14.75	chr16	N/A	3	41.23
Hs.520403	14.75	chr6	N/A	3	78.36
Hs.664694	14.75	chr4	N/A	15	57.22
CCDC36	14.75	chr3	3p21.31	37	159.38
Hs.664631	14.75	chr6	N/A	11	102.39
Hs.128031	14.75	chr16	N/A	5	66.96
Hs.215801	14.75	chr12	N/A	8	97.18
PRDM6	14.75	chr5	5q23.2	23	72.09
TTC30B	14.75	chr2	2q31.2	18	33.64
KRT75	14.75	chr12	12q13	30	124.27
Hs.564879	14.75	chr16	N/A	3	47.42
Hs.667730	14.75	chr8	N/A	1	0.00
LOC729966	14.75	chr19	19p13.11	3	92.34
Hs.552181	14.74	chrX	N/A	5	59.89
Hs.545255	14.74	chr8	N/A	3	5.25
Hs.609188	14.74	chr12	N/A	1	0.00
Hs.707129	14.74	chr7	N/A	17	194.78
Hs.583070	14.74	chr7	N/A	3	58.25
Hs.517928	14.74	chr3	N/A	2	77.38
MGAT4C	14.74	chr12	12q21	26	89.41
NKX2-1	14.74	chr14	14q13	65	103.83
SLC17A1	14.74	chr6	6p22.2	39	116.23
Hs.479989	14.74	chr1	N/A	4	32.26
GRIA4	14.74	chr11	11q22	47	111.10
Hs.485648	14.74	chr6	N/A	3	10.21
Hs.740524	14.73	chr14	N/A	7	70.89
RNASE11	14.73	chr14	14q11.2	26	104.24
Hs.118722	14.73	chr14	N/A	7	73.68
Hs.598662	14.73	chr3	N/A	7	72.67
FLJ22763	14.73	chr3	3q13.13	11	145.61
VGLL1	14.73	chrX	Xq26.3	40	109.98
MYO1D	14.73	chr17	17q11-q12	72	119.15
HOXC10	14.73	chr12	12q13.3	38	76.10
Hs.657845	14.73	chr8	N/A	7	95.07
VSIG1	14.73	chrX	Xq22.3	30	94.60
Hs.333181	14.73	chr3	N/A	7	86.82
Hs.573144	14.73	chr5	N/A	2	29.71
Hs.564540	14.73	chr13	N/A	3	48.46

FGF17	14.73	chr8	8p21	21	193.02
Hs.580096	14.73	chr2	N/A	3	70.09
Hs.541870	14.73	chr2	N/A	3	62.85
Hs.720038	14.72	chr2	N/A	25	90.44
Hs.574849	14.72	chr21	N/A	3	62.79
CENPW	14.72	chr6	6q22.32	31	95.88
OR7G2	14.72	chr19	19p13.2	8	139.51
Hs.545391	14.72	chr8	N/A	3	50.57
PADI6	14.72	chr1	1p36.13	5	74.12
Hs.544484	14.72	chr6	N/A	3	61.64
Hs.679455	14.71	chr4	N/A	1	0.00
Hs.63338	14.71	chr9	N/A	10	92.07
CA5B	14.71	chrX	Xp21.1	66	83.65
Hs.657520	14.71	chr6	N/A	10	44.25
Hs.436006	14.71	chr12	N/A	3	6.35
Hs.538074	14.71	chr1	N/A	3	86.25
Hs.553351	14.71	chr13	N/A	3	34.50
Hs.191856	14.71	chr2	N/A	14	110.27
C3orf55	14.71	chr3	3q25.32	22	71.18
Hs.668010	14.71	chr16	N/A	1	0.00
Hs.386790	14.71	chr7	N/A	7	37.22
Hs.663292	14.71	chr3	N/A	8	79.90
Hs.673002	14.70	chr3	N/A	11	74.66
GAN	14.70	chr16	16q24.1	33	65.67
Hs.667655	14.70	chr13	N/A	2	61.68
Hs.734058	14.70	chrX	N/A	10	87.46
Hs.147556	14.70	chr14	N/A	2	32.03
Hs.660170	14.70	chr14	N/A	8	152.44
ST8SIA1	14.70	chr12	12p12.1-p11.2	34	82.34
CCDC62	14.69	chr12	12q24.31	41	159.85
CST1	14.69	chr20	20p11.21	28	140.76
Hs.635260	14.69	chr17	N/A	1	0.00
Hs.541162	14.69	chr18	N/A	3	70.03
Hs.368007	14.69	chr12	N/A	3	47.06
Hs.442246	14.69	chr2	N/A	3	49.61
Hs.446301	14.69	chr10	N/A	3	60.94
Hs.666431	14.69	chr19	N/A	8	121.98
SLC24A4	14.69	chr14	14q32.12	36	75.92
RASA3	14.69	chr13	13q34	29	123.03
CNTNAP2	14.69	chr7	7q35	83	119.32
Hs.666257	14.68	chr2	N/A	8	80.42
Hs.542287	14.68	chr20	N/A	3	84.40
SAPCD2	14.68	chr9	9q34.3	26	79.04
BVES-AS1	14.68	chr6	6q21	21	85.25
CHP2	14.68	chr16	16p12.2	23	88.33
AOAH	14.68	chr7	7p14-p12	44	88.53
Hs.734233	14.68	chr6	N/A	2	18.30
Hs.656650	14.68	chr6	N/A	15	67.14
Hs.666279	14.68	chr2	N/A	7	68.82
LOC100996583	14.68	chr1	N/A	1	0.00
TMEM240	14.68	chr1	1p36.33	7	67.49
FLJ45248	14.68	chr8	8q22.3	13	77.18
Hs.602120	14.68	chr14	N/A	14	72.38
Hs.538007	14.68	chr1	N/A	3	75.79
LOC644277	14.67	chr11	11q23.1	3	53.88
MDGA1	14.67	chr6	6p21	54	71.36
CDRT15	14.67	chr17	17p12	14	210.00
Hs.677788	14.67	chr7	N/A	1	0.00
Hs.710476	14.67	chr15	N/A	7	36.10
Hs.545527	14.67	chr8	N/A	3	110.92
Hs.637627	14.67	chr1	N/A	11	49.64
Hs.658774	14.66	chr15	N/A	7	62.30
PSPN	14.66	chr19	19p13.3	24	66.74
FANCD2	14.66	chr3	3p26	65	180.66
VRTN	14.66	chr14	14q24.3	21	79.24
LOC646498	14.66	chr3	3p21.31	8	52.64

Hs.597585	14.66	chr17	N/A	32	53.40
SENP8	14.66	chr15	15q23	27	65.84
Hs.656138	14.66	chr11	N/A	15	134.01
Hs.571194	14.66	chr6	N/A	3	104.76
Hs.54643	14.66	chr11	N/A	14	80.80
Hs.649287	14.66	chr14	N/A	10	74.47
Hs.669747	14.66	chr19	N/A	4	86.47
Hs.734029	14.66	chr5	N/A	3	115.30
Hs.590720	14.66	chr9	N/A	1	0.00
POLQ	14.65	chr3	3q13.33	38	70.10
Hs.159115	14.65	chr2	N/A	3	69.96
OK/SW-CL.58	14.65	chr13	13q12.3	11	43.79
USP45	14.65	chr6	6q16.2	19	67.11
Hs.664519	14.65	chr1	N/A	7	65.44
Hs.718912	14.65	chr3	N/A	2	39.84
Hs.563325	14.65	chr5	N/A	3	62.09
Hs.563435	14.65	chr7	N/A	3	36.41
Hs.539131	14.65	chr12	N/A	3	26.57
Hs.127509	14.65	chr7	N/A	3	71.41
Hs.661685	14.65	chr8	N/A	7	90.79
GLP2R	14.65	chr17	17p13.3	31	83.83
Hs.542618	14.65	chr21	N/A	3	74.50
LOC100996637	14.65	chr2	N/A	10	80.03
Hs.567187	14.64	chrX	N/A	3	47.18
Hs.660483	14.64	chr11	N/A	7	79.20
Hs.545044	14.64	chr7	N/A	3	59.15
C16orf82	14.64	chr16	16p12.1	32	149.33
Hs.543619	14.64	chr4	N/A	3	120.34
Hs.396523	14.64	chr21	N/A	7	41.27
ZBTB8B	14.64	chr1	1p35.1	1	0.00
Hs.580799	14.64	chr20	N/A	3	59.45
Hs.343482	14.64	chr10	N/A	13	220.19
Hs.660709	14.63	chr18	N/A	7	106.64
Hs.561775	14.63	chr8	N/A	7	95.06
Hs.554568	14.63	chr13	N/A	3	53.56
Hs.580607	14.63	chr2	N/A	5	76.91
Hs.605177	14.63	chr6	N/A	13	261.71
Hs.667396	14.63	chrX	N/A	2	35.32
Hs.136495	14.63	chr1	N/A	10	50.77
Hs.553539	14.63	chr8	N/A	19	91.39
LOC202781	14.63	chr7	7q36.2	25	113.09
Hs.687508	14.63	chr5	N/A	5	81.67
Hs.569566	14.63	chr16	N/A	3	21.99
EXD1	14.63	chr15	15q15.1	17	67.22
PCNXL2	14.62	chr1	1q42.2	83	83.13
Hs.545017	14.62	chr7	N/A	3	91.99
FGF14	14.62	chr13	13q34	40	91.02
CNGB3	14.62	chr8	8q21.3	33	113.97
Hs.543241	14.62	chr3	N/A	3	52.47
Hs.661959	14.62	chr10	N/A	1	0.00
Hs.664658	14.62	chr1	N/A	7	135.26
RAB3D	14.62	chr19	19p13.2	31	77.72
PACRGL	14.62	chr4	4p15.31	41	60.68
Hs.86525	14.62	chr3	N/A	3	49.19
Hs.404997	14.61	chr1	N/A	1	0.00
Hs.733721	14.61	chr1	N/A	1	0.00
Hs.543673	14.61	chr4	N/A	3	62.44
Hs.583940	14.61	chr8	N/A	3	101.06
Hs.667318	14.61	chr16	N/A	3	59.44
GK5	14.61	chr3	3q23	46	78.78
GJB4	14.61	chr1	1p34.3	21	79.97
Hs.564884	14.61	chr16	N/A	3	45.86
FMNL1	14.61	chr17	17q21	31	98.99
Hs.655846	14.61	chr12	N/A	10	99.78
Hs.204736	14.61	chr8	N/A	3	38.19
Hs.594687	14.61	chr12	N/A	7	48.72

CASR	14.61	chr3	3q13	48	147.06
KIF27	14.61	chr9	9q21.32	54	144.09
Hs.732907	14.61	chr7	N/A	7	70.18
SPACA4	14.60	chr19	19q13.33	26	109.92
AKR1B15	14.60	chr7	7q33	3	53.41
Hs.584062	14.60	chr9	N/A	3	49.09
Hs.675567	14.60	chr14	N/A	1	0.00
CATSPER3	14.60	chr5	5q31.1	23	75.51
Hs.668167	14.60	chr18	N/A	2	12.31
Hs.126605	14.60	chr12	N/A	25	69.36
LOC100507101	14.60	chr8	N/A	7	121.29
Hs.694188	14.60	chr10	N/A	1	0.00
Hs.121322	14.60	chr9	N/A	3	39.83
SYT2	14.60	chr1	1q32.1	32	83.99
Hs.660915	14.60	chr15	N/A	7	48.87
Hs.565623	14.60	chr2	N/A	3	30.90
Hs.158985	14.60	chrX	N/A	3	70.03
Hs.555514	14.60	chr14	N/A	10	41.47
SSTR4	14.60	chr20	20p11.2	23	75.51
Hs.661704	14.59	chr6	N/A	8	57.79
RSPO2	14.59	chr8	8q23.1	37	173.30
RASGEF1B	14.59	chr4	4q21.21	30	171.64
Hs.734130	14.59	chr15	N/A	7	71.51
PAEP	14.59	chr9	9q34	35	125.51
Hs.581114	14.59	chr22	N/A	3	49.42
Hs.675352	14.59	chr13	N/A	2	103.26
Hs.732972	14.59	chr1	N/A	8	81.50
Hs.649321	14.59	chr11	N/A	10	69.33
Hs.650822	14.58	chr18	N/A	8	100.27
Hs.553324	14.58	chr10	N/A	1	0.00
Hs.554043	14.58	chr10	N/A	3	54.24
Hs.585851	14.58	chr18	N/A	2	92.51
Hs.720591	14.58	chr10	N/A	7	52.38
Hs.733084	14.58	chr9	N/A	23	81.31
SIDT1	14.58	chr3	3q13.2	21	65.24
LOC100133299	14.58	chr5	5p15.2	10	33.68
OR4K13	14.58	chr14	14q11.2	6	41.43
Hs.574170	14.58	chr14	N/A	15	46.00
ZNF470	14.58	chr19	19q13.43	15	69.16
Hs.232573	14.57	chr20	N/A	3	11.42
LOC729870	14.57	chr4	4q31.3	1	0.00
Hs.666309	14.57	chr17	N/A	14	79.47
Hs.542027	14.57	chr2	N/A	3	45.98
Hs.318431	14.57	chr14	N/A	3	64.69
Hs.658431	14.57	chr14	N/A	8	90.68
Hs.564400	14.57	chr12	N/A	3	68.02
Hs.664536	14.57	chr18	N/A	7	87.61
Hs.661813	14.56	chr7	N/A	3	66.93
GRIN3A	14.56	chr9	9q31.1	27	90.90
SASS6	14.56	chr1	1p21.2	22	110.42
Hs.662771	14.56	chr22	N/A	1	0.00
DPP10	14.56	chr2	2q14.1	48	286.06
ZNF224	14.56	chr19	19q13.2	44	118.79
Hs.434913	14.56	chr14	N/A	3	32.72
Hs.545536	14.56	chr8	N/A	3	75.93
GNMT	14.56	chr6	6p12	23	107.60
Hs.596906	14.56	chr4	N/A	10	45.04
Hs.539602	14.56	chr13	N/A	3	48.99
Hs.610427	14.56	chr2	N/A	1	0.00
Hs.663309	14.56	chr1	N/A	7	52.16
ONECUT2	14.56	chr18	18q21.31	70	86.78
Hs.144731	14.56	chr10	N/A	2	41.57
LOC286370	14.55	chr9	9q22.2	1	0.00
Hs.596788	14.55	chr2	N/A	7	57.62
TTY16	14.55	chrY	Yp11.2	3	76.12
Hs.663996	14.55	chr4	N/A	3	46.98

TBC1D3B	14.55	chr17	17q12	11	78.29
Hs.55161	14.55	chr7	N/A	16	227.44
Hs.175348	14.55	chr8	N/A	3	55.05
Hs.74921	14.55	chr2	N/A	8	87.91
Hs.666483	14.55	chr10	N/A	7	91.80
PAK3	14.55	chrX	Xq23	47	122.46
Hs.583907	14.55	chr8	N/A	3	35.22
Hs.576374	14.55	chr1	N/A	3	35.21
RBP2	14.55	chr3	3q23	19	129.95
Hs.214218	14.55	chr6	N/A	3	46.72
Hs.663871	14.55	chr9	N/A	7	131.97
Hs.524596	14.54	chr12	N/A	9	58.01
NOTO	14.54	chr2	2p13.2	3	51.56
ARMC12	14.54	chr6	6p21.31	19	122.36
LCN15	14.54	chr9	9q34.3	17	60.93
Hs.737719	14.54	chr5	N/A	1	0.00
Hs.582779	14.54	chr6	N/A	3	59.21
Hs.732799	14.54	chr4	N/A	7	87.28
Hs.672713	14.54	chr19	N/A	1	0.00
Hs.561456	14.54	chr5	N/A	10	44.34
Hs.566395	14.54	chr5	N/A	3	71.33
Hs.530207	14.54	chr8	N/A	3	68.15
LOC100506502	14.54	chrX	N/A	1	0.00
Hs.733296	14.54	chr2	N/A	7	52.16
SLC51A	14.53	chr3	3q29	35	156.71
Hs.655774	14.53	chr14	N/A	8	66.08
Hs.659467	14.53	chr3	N/A	8	47.78
CC2D2A	14.53	chr4	4p15.32	43	73.70
Hs.128557	14.53	chr8	N/A	8	103.57
SDR16C5	14.53	chr8	8q12.1	30	64.04
Hs.232176	14.53	chr4	N/A	3	58.62
Hs.660438	14.53	chr7	N/A	6	88.63
TLR3	14.53	chr4	4q35	33	73.27
Hs.582671	14.53	chr6	N/A	3	30.73
Hs.599941	14.53	chr15	N/A	7	41.00
POLE2	14.53	chr14	14q21-q22	35	63.12
Hs.653430	14.53	chr15	N/A	8	83.79
Hs.745073	14.52	chr4	N/A	8	74.51
Hs.687670	14.52	chr4	N/A	9	76.72
Hs.737757	14.52	chr2	N/A	3	101.81
SYCP3	14.52	chr12	12q	27	115.15
SPO11	14.52	chr20	20q13.31	27	95.51
Hs.563116	14.52	chr3	N/A	3	58.51
MNX1	14.52	chr7	7q36	36	112.95
Hs.566614	14.52	chr7	N/A	3	72.69
PLCH1	14.52	chr3	3q25.31	57	199.63
Hs.538828	14.52	chr11	N/A	3	46.78
Hs.734820	14.52	chr10	N/A	3	26.72
Hs.667144	14.52	chr12	N/A	7	62.17
Hs.389906	14.52	chr8	N/A	8	74.54
ABCC3	14.52	chr17	17q22	50	88.47
PRR23A	14.52	chr3	3q23	3	50.08
SLC27A4	14.52	chr9	9q34.11	32	62.84
Hs.269254	14.52	chr6	N/A	6	46.25
NWD1	14.52	chr19	19p13.11	7	86.16
Hs.605983	14.52	chr4	N/A	3	26.47
Hs.577319	14.51	chr11	N/A	3	82.42
ZBTB42	14.51	chr14	14q32.33	1	0.00
Hs.602929	14.51	chr6	N/A	14	104.63
Hs.538738	14.51	chr11	N/A	3	94.35
C11orf70	14.51	chr11	11q22.1	30	72.18
Hs.664391	14.51	chr22	N/A	7	91.02
ZFP2	14.51	chr5	5q35.3	28	89.00
Hs.632982	14.51	chr2	N/A	14	92.91
LOC646014	14.51	chr17	17q24.1	1	0.00
Hs.444657	14.51	chr11	N/A	18	67.23

Hs.355689	14.51	chr18	N/A	11	56.42
Hs.538055	14.50	chr1	N/A	3	28.02
Hs.703759	14.50	chr11	N/A	4	82.33
Hs.529351	14.50	chr4	N/A	6	60.24
Hs.668481	14.50	chr10	N/A	1	0.00
FOXA1	14.50	chr14	14q12-q13	142	173.02
Hs.738902	14.50	chr13	N/A	3	26.95
AKR1B10	14.50	chr7	7q33	40	80.22
Hs.514454	14.50	chr17	N/A	5	63.27
Hs.568550	14.50	chr1	N/A	7	129.41
SLC7A11-AS1	14.50	chr4	4q28.3	8	96.50
FRRS1L	14.49	chr9	9q31	17	96.97
Hs.600746	14.49	chr10	N/A	3	103.98
Hs.572739	14.49	chr2	N/A	3	65.14
EDDM3A	14.49	chr14	14q11.2	35	123.79
Hs.557887	14.49	chr10	N/A	3	17.88
Hs.407279	14.49	chr14	N/A	18	85.73
Hs.733745	14.49	chr19	N/A	12	71.36
Hs.543076	14.49	chr3	N/A	3	74.86
ZFP37	14.49	chr9	9q32	30	98.24
PKD1L2	14.49	chr16	16q23.2	52	84.13
Hs.537981	14.49	chr1	N/A	3	34.57
Hs.563591	14.49	chr9	N/A	3	48.80
Hs.658369	14.49	chr3	N/A	17	44.90
FAM83G	14.48	chr17	17p11.2	5	97.70
Hs.128847	14.48	chr3	N/A	6	73.52
Hs.662613	14.48	chr6	N/A	16	64.97
Hs.650312	14.48	chr12	N/A	8	14.24
ZIC5	14.48	chr13	13q32.3	31	64.72
Hs.552750	14.48	chr3	N/A	3	41.04
Hs.686598	14.48	chr1	N/A	1	0.00
Hs.580401	14.48	chr2	N/A	3	27.10
STOML3	14.48	chr13	13q13.3	19	163.81
Hs.660287	14.48	chr9	N/A	1	0.00
CGREF1	14.48	chr2	2p23.3	28	82.98
Hs.633960	14.48	chr7	N/A	11	77.06
VIL1	14.48	chr2	2q35	48	135.21
TEX26	14.48	chr13	13q12.3	22	209.66
Hs.734254	14.48	chr20	N/A	2	24.47
Hs.211005	14.48	chr6	N/A	3	47.94
CES4A	14.48	chr16	16q22.1	35	84.14
MEGF10	14.48	chr5	5q33	46	111.14
CHEK1	14.48	chr11	11q24.2	58	75.19
Hs.662684	14.47	chr4	N/A	5	71.74
ENTPD7	14.47	chr10	N/A	38	60.77
Hs.568876	14.47	chr10	N/A	10	20.02
OR6C4	14.47	chr12	12q13.2	5	77.52
Hs.2442	14.47	chr8	N/A	7	109.30
Hs.672788	14.47	chr17	N/A	1	0.00
Hs.520750	14.47	chr7	N/A	10	105.64
Hs.175569	14.47	chr12	N/A	11	63.72
Hs.417710	14.47	chr16	N/A	7	102.25
DRD3	14.47	chr3	3q13.3	39	118.80
Hs.655676	14.47	chr9	N/A	11	82.29
C3orf72	14.47	chr3	3q22.3	10	74.17
Hs.545239	14.47	chr8	N/A	3	59.98
Hs.106359	14.47	chr17	N/A	3	59.65
Hs.648871	14.47	chr7	N/A	23	85.17
Hs.368100	14.47	chr5	N/A	3	16.93
CD300A	14.47	chr17	17q25.1	48	90.83
CLCNKB	14.47	chr1	1p36	25	59.67
Hs.659847	14.46	chr5	N/A	14	56.01
Hs.662687	14.46	chr20	N/A	7	63.74
Hs.303889	14.46	chr4	N/A	3	58.31
Hs.659743	14.46	chr2	N/A	3	68.35
C21orf128	14.46	chr21	21q22.3	25	97.30

Hs.544686	14.46	chr6	N/A	3	28.29
HIST1H2BN	14.46	chr6	6p22.1	32	96.15
Hs.480419	14.46	chr4	N/A	5	55.36
MTHFSD	14.46	chr16	16q24.1	59	115.56
Hs.656422	14.46	chr19	N/A	2	34.71
Hs.649362	14.45	chr9	N/A	10	124.15
WNT7B	14.45	chr22	22q13	38	140.05
NEK2	14.45	chr1	1q32.2-q41	65	105.02
Hs.539607	14.45	chr13	N/A	10	66.96
Hs.520854	14.45	chr8	N/A	3	53.87
Hs.434502	14.45	chr10	N/A	6	60.83
Hs.526484	14.45	chr15	N/A	3	101.71
HTRA4	14.45	chr8	8p11.22	24	151.88
C12orf60	14.45	chr12	12p12.3	37	88.04
Hs.656070	14.45	chr13	N/A	7	71.89
TAS2R43	14.45	chr12	12p13.2	16	85.34
REXO1L1	14.45	chr8	8q21.2	14	201.69
Hs.564150	14.45	chr10	N/A	3	91.98
MPO	14.45	chr17	17q23.1	42	61.85
LOC100129973	14.45	chr15	15q21.2	24	117.14
Hs.659927	14.45	chr10	N/A	28	100.06
MYCNOS	14.45	chr2	2p24.1	41	160.19
Hs.668107	14.45	chr10	N/A	7	76.64
CCDC105	14.44	chr19	19p13.12	19	152.73
CHRND	14.44	chr2	2q37.1	30	119.90
ZSCAN23	14.44	chr6	6p22.1	2	46.20
DMRTB1	14.44	chr1	1p32.3	35	73.43
TBL1Y	14.44	chrY	Yp11.2	26	37.62
Hs.661803	14.44	chr22	N/A	18	143.51
Hs.121224	14.43	chr11	N/A	7	69.04
MCOLN3	14.43	chr1	1p22.3	51	118.90
KLHDC7A	14.43	chr1	1p36.13	27	73.19
LRGUK	14.43	chr7	7q33	25	77.10
Hs.564371	14.43	chr12	N/A	3	22.62
DUOXA2	14.43	chr15	15q15.1	28	67.20
FGFR2	14.43	chr10	10q26	132	131.49
CRYBB1	14.43	chr22	22q12.1	30	176.81
LOC284577	14.43	chr1	1q32.1	3	19.29
Hs.538201	14.43	chr1	N/A	8	71.12
Hs.735141	14.43	chrX	N/A	11	235.29
HAUS6	14.43	chr9	9p22.1	66	93.05
Hs.551097	14.43	chr7	N/A	3	42.74
LOC284632	14.43	chr1	1p36.11	1	0.00
Hs.666907	14.42	chr11	N/A	9	114.54
KCNAB3	14.42	chr17	17p13.1	24	80.01
CHRNA1	14.42	chr2	2q31.1	47	100.78
HOXA7	14.42	chr7	7p15.2	46	107.13
Hs.585433	14.42	chr1	N/A	12	77.30
CXCR6	14.42	chr3	3p21	45	261.18
FOXP4	14.42	chr6	6p21.1	52	117.94
Hs.571426	14.42	chr8	N/A	3	54.99
SEC14L2	14.42	chr22	22q12.2	49	133.53
LOC728660	14.42	chrX	Xq27.1	3	66.00
Hs.639981	14.41	chr7	N/A	3	22.20
LOC100506497	14.41	chr7	N/A	9	90.51
ECT2	14.41	chr3	3q26.1-q26.2	48	82.59
Hs.44877	14.41	chr15	N/A	7	59.24
KIAA1328	14.41	chr18	18q12.2	47	118.02
C11orf34	14.41	chr11	11q23.1	8	72.80
PLA2G4E	14.41	chr15	15q15.1	12	100.85
LOC100652994	14.41	chr21	N/A	21	97.74
Hs.623723	14.41	chr6	N/A	3	24.65
SSX3	14.41	chrX	Xp11.23	56	78.00
Hs.603817	14.41	chr4	N/A	7	66.09
Hs.584618	14.41	chrX	N/A	3	78.57
SNX32	14.41	chr11	11q13.1	16	120.66

Hs.538650	14.40	chr10	N/A	3	39.47
TIGD2	14.40	chr4	4q22.1	26	71.71
Hs.568479	14.40	chr1	N/A	3	50.39
Hs.558261	14.40	chr4	N/A	3	97.05
TTC24	14.40	chr1	1q23.1	3	30.80
Hs.541118	14.40	chr18	N/A	3	34.53
Hs.687878	14.40	chr10	N/A	2	62.13
Hs.571630	14.40	chr9	N/A	3	48.53
Hs.579547	14.40	chr18	N/A	3	57.17
Hs.659483	14.40	chr5	N/A	24	167.69
Hs.538804	14.40	chr11	N/A	3	96.87
Hs.544050	14.40	chr5	N/A	3	72.72
GBGT1	14.40	chr9	9q34.13-q34.3	33	97.99
GPRIN3	14.40	chr4	4q22.1	15	65.51
Hs.649712	14.40	chr13	N/A	3	78.31
Hs.607854	14.40	chr10	N/A	1	0.00
LOC643043	14.39	chrX	Xp11.4	6	44.20
ADAM20	14.39	chr14	14q24.1	28	115.77
Hs.661658	14.39	chr7	N/A	7	70.78
Hs.660258	14.39	chr7	N/A	1	0.00
IRS4	14.39	chrX	Xq22.3	23	104.20
Hs.180902	14.39	chr16	N/A	11	81.42
LINC00427	14.39	chr13	N/A	11	68.34
Hs.565078	14.39	chr17	N/A	3	59.90
Hs.544639	14.39	chr6	N/A	3	49.09
Hs.560191	14.39	chr13	N/A	3	35.54
FKBPL	14.39	chr6	6p21.3	28	84.75
C6orf201	14.39	chr6	6p25.2	24	129.15
Hs.537829	14.38	chr1	N/A	3	63.40
Hs.657480	14.38	chr10	N/A	10	70.91
Hs.365134	14.38	chr6	N/A	3	25.88
Hs.545139	14.38	chr7	N/A	3	73.13
KIF11	14.38	chr10	10q24.1	50	163.93
Hs.720176	14.38	chr3	N/A	8	40.70
Hs.572295	14.38	chr14	N/A	3	30.92
Hs.594840	14.37	chr17	N/A	8	107.85
Hs.738266	14.37	chr10	N/A	3	105.75
LINC00707	14.37	chr10	N/A	10	224.96
Hs.560594	14.37	chr18	N/A	4	103.77
LOC727941	14.37	chr1	1p13.3	2	29.21
ZNF880	14.37	chr19	19q13.41	2	45.46
Hs.633638	14.37	chr2	N/A	2	22.12
ORM1	14.37	chr9	9q31-q32	31	89.61
Hs.545548	14.37	chr8	N/A	3	40.68
GRHL1	14.37	chr2	2p25.1	40	112.06
CABYR	14.37	chr18	18q11.2	38	133.22
Hs.542761	14.37	chr22	N/A	3	40.55
Hs.602091	14.37	chr15	N/A	7	75.41
Hs.48903	14.37	chr12	N/A	3	78.88
TOX3	14.37	chr16	16q12.1	51	147.44
Hs.560186	14.37	chr13	N/A	15	71.89
Hs.673797	14.37	chr7	N/A	1	0.00
Hs.570912	14.37	chr5	N/A	3	53.11
ZNF484	14.36	chr9	9q22.31	20	94.76
Hs.539563	14.36	chr13	N/A	3	62.34
WNT10B	14.36	chr12	12q13	32	82.12
Hs.602813	14.36	chr14	N/A	2	131.30
LYPD5	14.36	chr19	19q13.31	33	95.11
Hs.600837	14.36	chr3	N/A	11	37.56
FUT5	14.36	chr19	19p13.3	23	65.70
Hs.571373	14.36	chr7	N/A	3	63.01
KRTCAP3	14.36	chr2	2p23.3	34	115.24
Hs.212769	14.36	chr15	N/A	3	62.30
Hs.569124	14.36	chr12	N/A	7	125.83
CCDC155	14.36	chr19	19q13.33	17	108.28
Hs.543672	14.36	chr4	N/A	3	53.09

Hs.543707	14.36	chr4	N/A	3	70.92
KRT80	14.35	chr12	12q13.13	30	124.52
Hs.362702	14.35	chr2	N/A	11	216.65
Hs.674576	14.35	chr1	N/A	1	0.00
Hs.147682	14.35	chr17	N/A	1	0.00
WEE2	14.35	chr7	7q32	7	101.59
Hs.666746	14.35	chr15	N/A	2	103.41
Hs.171045	14.35	chr2	N/A	1	0.00
Hs.544784	14.35	chr7	N/A	3	71.40
Hs.352679	14.35	chr6	N/A	11	71.78
Hs.733845	14.35	chr6	N/A	7	57.00
OSM	14.35	chr22	22q12.2	24	61.67
PHEX-AS1	14.35	chrX	N/A	1	0.00
Hs.617139	14.35	chr14	N/A	9	28.08
Hs.666892	14.34	chr1	N/A	17	111.20
ASB17	14.34	chr1	1p31.1	22	141.78
LOC100507438	14.34	chr9	N/A	5	90.58
Hs.648488	14.34	chr7	N/A	3	50.31
Hs.578350	14.34	chr14	N/A	3	73.58
Hs.571043	14.34	chr6	N/A	3	78.77
Hs.733675	14.34	chrX	N/A	1	0.00
ROPN1L	14.34	chr5	5p15.2	37	93.53
Hs.516314	14.34	chr2	N/A	6	63.33
OR5M9	14.34	chr11	11q12.1	3	66.24
Hs.544529	14.34	chr6	N/A	3	59.10
EDN2	14.34	chr1	1p34	37	60.91
Hs.648905	14.34	chr3	N/A	1	0.00
RLN3	14.34	chr19	19p13.2	24	79.88
Hs.543890	14.33	chr5	N/A	3	49.56
Hs.659731	14.33	chr19	N/A	3	49.73
DNAH9	14.33	chr17	17p12	44	116.31
Hs.535995	14.33	chrX	N/A	12	71.55
Hs.545815	14.33	chr9	N/A	10	79.14
ITGA2B	14.33	chr17	17q21.32	65	113.03
CCDC15	14.33	chr11	11q24.2	34	73.55
LYPD4	14.33	chr19	19q13.2	17	80.58
Hs.553988	14.33	chrX	N/A	1	0.00
Hs.563714	14.32	chr6	N/A	3	59.22
Hs.539569	14.32	chr13	N/A	3	73.73
Hs.580513	14.32	chr2	N/A	3	45.04
TTF2	14.32	chr1	1p22	41	111.84
Hs.44650	14.32	chr13	N/A	6	91.53
Hs.438858	14.32	chr9	N/A	1	0.00
Hs.178185	14.32	chr1	N/A	3	45.35
HSFX1	14.32	chrX	Xq28	31	62.92
KCNK10	14.32	chr14	14q31.3	49	116.71
CEP89	14.32	chr19	19q13.11	37	61.20
Hs.116531	14.32	chr10	N/A	3	101.49
Hs.704263	14.31	chr22	N/A	4	89.11
MATK	14.31	chr19	19p13.3	29	111.85
GJB7	14.31	chr6	6q15	25	58.13
Hs.564259	14.31	chr11	N/A	3	12.09
LOC100506113	14.31	chr11	N/A	8	71.84
LOC100506342	14.31	chr8	N/A	1	0.00
KIAA1958	14.30	chr9	9q32	35	87.26
Hs.580437	14.30	chr2	N/A	3	57.19
FTCDNL1	14.30	chr2	2q33.1	18	30.46
Hs.540848	14.30	chr17	N/A	3	39.76
ITGAD	14.30	chr16	16p11.2	28	228.15
Hs.128352	14.30	chr19	N/A	18	131.77
Hs.566271	14.30	chr5	N/A	3	2.07
ZNF610	14.30	chr19	19q13.41	33	72.96
Hs.123594	14.30	chrX	N/A	3	53.58
Hs.668381	14.30	chr4	N/A	7	63.37
LOC729175	14.30	chr4	4p15.2	3	53.64
CCDC157	14.30	chr22	22q12.2	7	75.74

Hs.537752	14.30	chr1	N/A	3	68.80
LOC158434	14.30	chr9	9q22.33	1	0.00
SNORD26	14.29	chr11	11q13	3	82.58
LOC100506127	14.29	chr11	11q13.5	2	11.84
Hs.741335	14.29	chr2	N/A	7	74.84
Hs.637057	14.29	chr6	N/A	3	54.41
KIAA1407	14.29	chr3	3q13.31	51	115.46
FMO5	14.29	chr1	1q21.1	53	112.59
Hs.318976	14.29	chrX	N/A	3	50.04
MEX3B	14.29	chr15	15q25.2	30	124.34
Hs.677235	14.29	chr1	N/A	6	86.39
ANXA13	14.29	chr8	8q24.13	49	107.91
Hs.560591	14.28	chr18	N/A	3	68.12
Hs.127380	14.28	chr10	N/A	6	80.32
Hs.664845	14.28	chr1	N/A	16	101.95
SULT1C2	14.28	chr2	2q12.3	50	103.45
Hs.582550	14.28	chr5	N/A	3	78.81
TAC1	14.28	chr7	7q21-q22	46	144.01
Hs.610775	14.28	chr1	N/A	11	100.77
Hs.334134	14.28	chr3	N/A	3	49.19
Hs.542344	14.28	chr20	N/A	3	52.93
Hs.597848	14.27	chr11	N/A	3	72.68
Hs.552808	14.27	chr1	N/A	3	77.94
Hs.572568	14.27	chr19	N/A	7	111.76
Hs.560940	14.27	chr2	N/A	4	90.45
Hs.658259	14.27	chr7	N/A	14	102.60
LOC729177	14.27	chr6	6p22.3	9	89.05
Hs.542350	14.27	chr20	N/A	3	130.29
Hs.550817	14.27	chr1	N/A	1	0.00
Hs.634771	14.26	chr6	N/A	3	31.99
Hs.541582	14.26	chr2	N/A	3	89.69
Hs.542001	14.26	chr2	N/A	10	75.49
SSX2	14.26	chrX	Xp11.22	55	121.73
Hs.630666	14.26	chr17	N/A	10	60.40
Hs.479342	14.26	chr4	N/A	3	33.50
Hs.660415	14.26	chr4	N/A	18	113.59
Hs.407523	14.26	chr6	N/A	7	101.71
PNMA6C	14.25	chrX	Xq28	4	65.39
Hs.508986	14.25	chr14	N/A	3	38.82
Hs.583885	14.25	chr8	N/A	3	56.86
AQPEP	14.25	chr5	5q23.1	55	78.95
Hs.564809	14.25	chr15	N/A	3	49.03
OR11H12	14.25	chr14	14q11.2	16	47.27
Hs.564011	14.25	chr10	N/A	3	96.32
Hs.539649	14.25	chr13	N/A	3	73.60
Hs.471910	14.25	chr20	N/A	3	76.28
Hs.538396	14.25	chr10	N/A	10	105.78
RNASE13	14.25	chr14	14q11.1	3	106.83
Hs.563991	14.25	chr1	N/A	3	47.83
LOC100130916	14.25	chr9	9q22.33	10	38.00
Hs.633449	14.24	chr9	N/A	1	0.00
Hs.650341	14.24	chr10	N/A	3	57.37
Hs.274586	14.24	chr4	N/A	4	83.36
Hs.121231	14.24	chr6	N/A	7	128.70
Hs.171009	14.24	chr20	N/A	3	46.58
Hs.650168	14.23	chr14	N/A	3	83.61
SUSD5	14.23	chr3	3p22.3	33	113.68
Hs.657249	14.23	chr5	N/A	7	110.38
Hs.541888	14.23	chr2	N/A	3	25.21
LOC494558	14.23	chr9	9q21.11	28	59.24
Hs.545657	14.23	chr9	N/A	3	71.07
Hs.458267	14.23	chr11	N/A	14	66.47
NAT8	14.23	chr2	2p13.2	30	77.60
FLJ44313	14.23	chr18	18q23	3	39.27
SIX3	14.22	chr2	2p21	39	96.40
ZNF736	14.22	chr7	7q11.21	1	0.00

TAF4B	14.22	chr18	18q11.2	44	95.50
Hs.656919	14.22	chr1	N/A	1	0.00
Hs.697113	14.22	chr18	N/A	11	39.55
PSG3	14.22	chr19	19q13.2	43	140.52
RLN2	14.22	chr9	9p24.1	33	107.80
Hs.665460	14.22	chr2	N/A	1	0.00
Hs.557928	14.22	chr7	N/A	3	52.02
ZSCAN25	14.22	chr7	7q22.1	56	111.42
Hs.677099	14.22	chr9	N/A	20	77.46
Hs.473548	14.22	chr21	N/A	3	94.96
NFE4	14.22	chr7	7q22.1	11	26.87
SLC6A17	14.21	chr1	1p13.3	25	84.55
Hs.581690	14.21	chr4	N/A	3	29.43
FAM200A	14.21	chr7	7q22.1	27	44.53
TNFRSF10D	14.21	chr8	8p21	38	133.74
Hs.368690	14.21	chr3	N/A	3	94.42
ZNF654	14.21	chr3	3p11.1	35	83.85
Hs.444348	14.21	chr10	N/A	4	46.32
KRTAP4-9	14.21	chr17	17q21.2	11	70.31
CXorf27	14.21	chrX	Xp21.1	37	137.52
LOC100506679	14.21	chr22	N/A	1	0.00
Hs.537553	14.21	chr1	N/A	3	63.71
Hs.713261	14.20	chr16	N/A	10	26.29
NKAIN1	14.20	chr1	1p35.2	35	86.25
Hs.563846	14.20	chr1	N/A	3	57.65
TGM1	14.20	chr14	14q11.2	30	104.61
Hs.602959	14.20	chr7	N/A	10	103.03
CDNF	14.20	chr10	10p13	16	84.53
Hs.463420	14.20	chr17	N/A	3	20.13
Hs.732068	14.20	chr21	N/A	5	18.42
LOC100507351	14.20	chr17	N/A	12	30.70
SLC4A8	14.20	chr12	12q13.13	75	109.52
MAGEC2	14.20	chrX	Xq27	29	69.92
Hs.547245	14.19	chr1	N/A	3	19.14
Hs.537727	14.19	chr1	N/A	3	40.35
NPB	14.19	chr17	17q25.3	17	77.30
RDH8	14.19	chr19	19p13.2	21	62.55
LOC100505938	14.19	chr7	N/A	11	72.09
DEFB123	14.19	chr20	20q11.1	24	95.98
Hs.373464	14.19	chr12	N/A	3	42.68
Hs.377961	14.19	chr4	N/A	1	0.00
Hs.577797	14.19	chr12	N/A	3	56.12
KHK	14.19	chr2	2p23.3	45	88.56
CSMD1	14.19	chr8	8p23.2	77	136.99
IGSF9	14.19	chr1	1q22-q23	26	40.04
ANPEP	14.19	chr15	15q25-q26	40	80.04
SNORD36C	14.18	chr9	9q34	3	63.21
Hs.602471	14.18	chr20	N/A	7	50.85
C9orf139	14.18	chr9	9q34.3	16	59.05
Hs.554075	14.18	chr11	N/A	4	71.83
Hs.571476	14.18	chr8	N/A	3	30.93
ZMIZ1-AS1	14.18	chr10	10q22.3	8	83.28
Hs.566753	14.18	chr7	N/A	1	0.00
FSHB	14.18	chr11	11p13	26	51.58
ZNF660	14.18	chr3	3p21.31	20	122.41
Hs.665214	14.18	chr12	N/A	7	109.95
Hs.722671	14.17	chr6	N/A	7	57.37
Hs.409273	14.17	chr9	N/A	7	127.45
Hs.664281	14.17	chr11	N/A	7	34.49
Hs.661018	14.17	chr16	N/A	7	64.11
TPRX1	14.17	chr19	19q13.33	16	134.94
FAM163B	14.17	chr9	9q34.2	13	82.10
KIF26B	14.17	chr1	1q44	38	107.73
Hs.633961	14.17	chrX	N/A	3	44.76
LRR6	14.17	chr8	8q24.22	29	227.74
Hs.602488	14.17	chr16	N/A	1	0.00

Hs.543320	14.17	chr4	N/A	3	50.43
C6orf170	14.17	chr6	6q22.31	60	104.75
Hs.135201	14.16	chr16	N/A	5	63.68
Hs.633409	14.16	chr16	N/A	7	126.54
Hs.722430	14.16	chr7	N/A	3	63.58
Hs.20798	14.16	chrX	N/A	11	79.30
Hs.475683	14.16	chr3	N/A	2	106.53
Hs.565961	14.16	chr3	N/A	3	89.79
Hs.563191	14.16	chr4	N/A	20	146.80
SLFN12	14.16	chr17	17q12	21	82.16
Hs.560701	14.16	chr19	N/A	3	97.22
TTY3B	14.16	chrY	Yq11.223	13	221.68
Hs.546173	14.16	chrX	N/A	3	114.24
IL17C	14.16	chr16	16q24	17	114.68
Hs.539471	14.16	chr12	N/A	3	58.26
CTSL2	14.16	chr9	9q22.2	30	91.07
Hs.551364	14.16	chr16	N/A	3	19.07
FLJ46284	14.15	chr8	8q22.1	3	29.73
TEX14	14.15	chr17	17q22	42	137.63
SLC30A4	14.15	chr15	15q21.1	48	82.51
Hs.733661	14.15	chr1	N/A	8	66.39
Hs.605805	14.15	chr6	N/A	1	0.00
Hs.646459	14.15	chr18	N/A	1	0.00
Hs.666931	14.15	chr1	N/A	13	131.68
FBXL16	14.15	chr16	16p13.3	25	97.95
Hs.576740	14.15	chr10	N/A	3	40.22
TP53TG5	14.15	chr20	20q13.12	23	89.93
Hs.542085	14.15	chr2	N/A	3	69.01
Hs.548301	14.15	chr11	N/A	3	74.44
Hs.507367	14.15	chr4	N/A	3	103.65
Hs.537880	14.15	chr1	N/A	3	62.64
Hs.547703	14.14	chr5	N/A	3	90.70
OR4E2	14.14	chr14	14q11.2	8	107.25
Hs.162734	14.14	chr5	N/A	3	58.40
Hs.553088	14.14	chr4	N/A	4	57.20
Hs.128216	14.14	chr15	N/A	3	76.31
Hs.662811	14.14	chr6	N/A	7	73.12
Hs.575502	14.14	chr7	N/A	3	21.30
Hs.736765	14.13	chr9	N/A	3	62.57
Hs.575854	14.13	chr1	N/A	3	37.71
Hs.715156	14.13	chr17	N/A	1	0.00
NKX6-2	14.13	chr10	10q26	19	183.24
Hs.374097	14.13	chr4	N/A	9	54.75
Hs.537575	14.13	chr1	N/A	3	60.03
Hs.547240	14.13	chr1	N/A	3	42.74
USP46-AS1	14.13	chr4	4q12	1	0.00
Hs.47878	14.13	chrX	N/A	3	30.91
Hs.135814	14.13	chr11	N/A	3	33.82
Hs.542462	14.13	chr20	N/A	3	68.49
CDH1	14.13	chr16	16q22.1	73	143.03
Hs.434930	14.13	chr2	N/A	2	54.71
Hs.669667	14.13	chr8	N/A	1	0.00
Hs.22566	14.13	chr1	N/A	8	77.04
Hs.580257	14.12	chr2	N/A	3	67.07
Hs.709835	14.12	chr19	N/A	1	0.00
Hs.499901	14.12	chr10	N/A	3	57.47
TLDC2	14.12	chr20	20q11.23	4	46.58
Hs.655897	14.12	chr8	N/A	8	80.09
GPR55	14.12	chr2	2q37	32	91.96
KCNN4	14.12	chr19	19q13.2	37	57.30
PTGDR	14.12	chr14	14q22.1	32	64.43
Hs.434969	14.12	chr14	N/A	8	57.17
Hs.563767	14.11	chr1	N/A	3	35.50
Hs.696718	14.11	chr2	N/A	7	52.99
LOC100505761	14.11	chr10	N/A	19	132.63
BCL2L11	14.11	chr2	2q13	86	100.81

ZFP30	14.11	chr19	19q13.12	38	165.98
Hs.517252	14.11	chr21	N/A	3	100.17
Hs.667402	14.11	chr16	N/A	2	29.51
Hs.611279	14.11	chr15	N/A	1	0.00
Hs.561259	14.11	chr4	N/A	10	78.38
CAPN9	14.11	chr1	1q42.11-q42.3	45	100.12
Hs.547175	14.11	chr9	N/A	4	47.68
GPR83	14.11	chr11	11q21	29	93.27
SCLT1	14.11	chr4	4q28.2	51	77.39
Hs.573025	14.11	chr3	N/A	6	35.45
GDF5	14.11	chr20	20q11.2	30	106.33
Hs.545111	14.11	chr7	N/A	3	27.06
Hs.435121	14.11	chr2	N/A	6	51.95
Hs.540680	14.11	chr16	N/A	3	48.25
Hs.439578	14.11	chr3	N/A	3	32.24
LINC00446	14.11	chr13	N/A	6	46.19
Hs.687430	14.10	chr4	N/A	8	46.41
Hs.131571	14.10	chr5	N/A	2	27.38
Hs.565225	14.10	chr19	N/A	3	10.06
EHHADH	14.10	chr3	3q26.3-q28	30	94.10
Hs.132347	14.10	chr3	N/A	2	28.60
Hs.733843	14.10	chr3	N/A	8	95.85
Hs.554638	14.10	chr2	N/A	3	52.52
GRIK4	14.10	chr11	11q22.3	29	91.84
Hs.598073	14.10	chr3	N/A	14	56.02
Hs.132564	14.10	chr8	N/A	6	78.23
Hs.543187	14.09	chr3	N/A	3	60.31
Hs.30509	14.09	chr6	N/A	3	45.70
LRP2BP	14.09	chr4	4q35.1	38	84.79
GLYATL2	14.09	chr11	11q12.1	19	115.26
ENTPD5	14.09	chr14	14q24	52	81.05
Hs.667880	14.09	chr1	N/A	12	177.55
SEC14L4	14.09	chr22	22q12.2	29	106.87
Hs.648469	14.09	chr2	N/A	3	33.51
SPATA4	14.09	chr4	4q34.2	26	92.55
SEL1L2	14.09	chr20	20p12.1	6	83.80
Hs.124173	14.09	chr20	N/A	11	69.71
Hs.257368	14.09	chr10	N/A	13	73.90
MAP3K13	14.09	chr3	3q27	57	161.68
Hs.662733	14.09	chr4	N/A	7	98.51
PTOV1-AS1	14.09	chr19	N/A	6	40.65
C9orf50	14.09	chr9	9q34.11	24	116.20
CCAT1	14.08	chr8	N/A	6	152.89
EREG	14.08	chr4	4q13.3	38	88.21
Hs.591351	14.08	chr6	N/A	7	54.35
Hs.593536	14.08	chr6	N/A	4	68.56
CALML6	14.08	chr1	1p36.33	17	184.84
Hs.662619	14.08	chr2	N/A	8	75.90
Hs.595026	14.08	chr6	N/A	10	84.64
Hs.580446	14.08	chr2	N/A	3	15.62
LOC728537	14.08	chr2	2q11.2	18	49.25
PRRG4	14.08	chr11	11p13	49	62.83
Hs.668316	14.08	chr11	N/A	7	118.06
Hs.564715	14.08	chr14	N/A	3	79.88
Hs.563122	14.07	chr3	N/A	3	34.39
Hs.734827	14.07	chr16	N/A	3	15.31
LOC644656	14.07	chr11	11p15.4	14	65.16
Hs.651521	14.07	chr18	N/A	3	38.88
FAM131B	14.07	chr7	7q34	53	168.36
OVOL3	14.07	chr19	19q13.12	12	79.20
Hs.564186	14.07	chr11	N/A	3	61.68
FLJ31945	14.07	chr13	13q14.2	14	102.53
Hs.401745	14.07	chr8	N/A	9	81.93
B4GALNT2	14.07	chr17	17q21.32	19	84.87
Hs.543573	14.07	chr4	N/A	3	55.32
Hs.664784	14.07	chr1	N/A	10	143.37

Hs.544359	14.07	chr6	N/A	3	43.22
OLFM4	14.07	chr13	13q14.3	43	125.59
Hs.127506	14.06	chr14	N/A	3	89.99
Hs.729668	14.06	chr17	N/A	1	0.00
Hs.544646	14.06	chr6	N/A	3	36.58
Hs.562746	14.06	chr17	N/A	3	15.02
Hs.660769	14.06	chr19	N/A	21	33.12
Hs.304248	14.06	chrX	N/A	3	58.13
AADAC	14.06	chr3	3q25.1	30	110.04
FAM24B	14.06	chr10	10q26.13	27	82.29
SPINT4	14.06	chr20	20q13.12	3	125.83
Hs.634035	14.06	chr3	N/A	7	87.25
Hs.655973	14.06	chr8	N/A	7	158.72
ADAMTS18	14.06	chr16	16q23	47	146.29
LOC100129223	14.06	chr12	12p13.32	5	98.18
Hs.60288	14.05	chr8	N/A	11	86.62
Hs.659101	14.05	chr4	N/A	7	53.35
Hs.580968	14.05	chr22	N/A	3	73.15
Hs.213065	14.05	chr9	N/A	18	81.43
Hs.663818	14.05	chr2	N/A	1	0.00
USP6NL-IT1	14.04	chr10	N/A	1	0.00
CCDC151	14.04	chr19	19p13.2	21	140.85
Hs.550236	14.04	chr1	N/A	3	82.91
Hs.571435	14.04	chr8	N/A	3	38.53
Hs.697073	14.04	chr2	N/A	15	74.19
Hs.540346	14.04	chr15	N/A	3	52.13
TM6SF2	14.04	chr19	19p13.3-p12	26	79.76
Hs.661543	14.04	chr2	N/A	7	85.27
KIR3DX1	14.04	chr19	19q13.42	26	79.27
LCN12	14.04	chr9	9q34.3	41	113.74
Hs.601138	14.04	chr1	N/A	7	125.20
KLHL6	14.03	chr3	3q27.3	47	49.90
DZIP1L	14.03	chr3	3q22.3	34	107.10
Hs.732987	14.03	chr7	N/A	7	67.23
GSG2	14.03	chr17	17p13	27	70.63
Hs.637111	14.03	chr15	N/A	3	52.22
CACNB4	14.03	chr2	2q22-q23	40	262.59
Hs.734085	14.03	chr8	N/A	4	10.88
Hs.564994	14.03	chr17	N/A	3	72.33
Hs.661529	14.03	chr6	N/A	1	0.00
Hs.600708	14.03	chr17	N/A	7	105.25
Hs.667826	14.02	chr20	N/A	1	0.00
Hs.545136	14.02	chr7	N/A	3	76.60
Hs.605145	14.02	chr18	N/A	16	141.28
LINC00115	14.02	chr1	1p36.33	21	103.68
Hs.662734	14.02	chr17	N/A	7	75.02
IL5RA	14.02	chr3	3p26-p24	63	99.52
Hs.634707	14.02	chr5	N/A	3	55.20
Hs.658005	14.02	chr2	N/A	1	0.00
Hs.677985	14.02	chr11	N/A	3	68.74
Hs.116962	14.02	chr11	N/A	10	79.70
APOBEC3G	14.02	chr22	22q13.1-q13.2	54	90.25
Hs.737019	14.02	chr12	N/A	3	22.32
CCDC27	14.02	chr1	1p36.32	24	141.55
Hs.545503	14.02	chr8	N/A	6	76.47
Hs.25447	14.02	chr13	N/A	13	62.73
Hs.539339	14.02	chr12	N/A	3	75.01
Hs.662906	14.02	chr3	N/A	7	90.14
Hs.720523	14.01	chrX	N/A	8	95.60
C18orf56	14.01	chr18	18p11.32	21	110.45
POU4F1	14.01	chr13	13q31.1	37	118.20
Hs.548831	14.01	chr3	N/A	6	75.83
Hs.667796	14.01	chr2	N/A	14	77.39
Hs.660180	14.01	chr10	N/A	8	64.22
HOXC13	14.01	chr12	12q13.3	21	129.82
Hs.637461	14.01	chr13	N/A	1	0.00

Hs.662110	14.01	chr18	N/A	1	0.00
RAB3C	14.01	chr5	5q13	34	82.99
Hs.650743	14.00	chr14	N/A	3	76.36
TRPV4	14.00	chr12	12q24.1	31	148.37
NHSL2	14.00	chrX	Xq13.1	7	59.03
Hs.667694	14.00	chr7	N/A	8	49.67
Hs.590708	14.00	chr9	N/A	7	64.53
Hs.731746	14.00	chr2	N/A	8	87.82
Hs.149040	14.00	chr3	N/A	1	0.00
Hs.547653	14.00	chr4	N/A	3	5.99
FADS6	14.00	chr17	17q25.1	19	72.46
CAPN6	13.99	chrX	Xq23	42	116.89
Hs.513895	13.99	chr15	N/A	12	108.40
Hs.587521	13.99	chrX	N/A	7	66.37
Hs.615947	13.99	chr5	N/A	3	30.77
Hs.599366	13.99	chr1	N/A	7	45.02
Hs.656448	13.99	chr15	N/A	11	46.88
Hs.222218	13.99	chr1	N/A	19	117.50
Hs.527062	13.99	chr4	N/A	10	164.88
Hs.658853	13.99	chr22	N/A	8	85.43
Hs.667913	13.99	chr7	N/A	7	51.65
Hs.579141	13.99	chr17	N/A	3	45.12
Hs.575253	13.99	chr5	N/A	3	95.28
C19orf26	13.99	chr19	19p13.3	27	82.78
Hs.566299	13.99	chr5	N/A	3	52.69
Hs.544452	13.99	chr6	N/A	3	69.52
Hs.622155	13.99	chr12	N/A	10	30.74
SRSF12	13.99	chr6	6q15	42	84.84
Hs.542847	13.98	chr3	N/A	3	36.52
Hs.543242	13.98	chr3	N/A	3	59.97
Hs.137945	13.98	chr2	N/A	2	29.22
TMPRSS2	13.97	chr21	21q22.3	58	90.39
HMGB4	13.97	chr1	1p35.1	27	146.35
Hs.732927	13.97	chr22	N/A	8	40.28
Hs.608367	13.97	chr17	N/A	3	80.03
FLJ45974	13.97	chr7	7p12.1	3	29.47
Hs.601637	13.97	chr2	N/A	7	49.49
Hs.662615	13.97	chr9	N/A	7	63.22
Hs.659649	13.97	chr12	N/A	2	88.60
Hs.408426	13.97	chr4	N/A	3	28.70
GPR17	13.97	chr2	2q21	33	72.24
Hs.733138	13.97	chr9	N/A	7	37.07
Hs.540736	13.97	chr17	N/A	3	21.71
GPR52	13.97	chr1	1q24	24	216.17
PATL2	13.97	chr15	15q21.1	8	75.57
Hs.604687	13.97	chr5	N/A	7	138.00
IYD	13.97	chr6	6q25.1	26	114.88
Hs.656969	13.96	chr4	N/A	7	129.22
GJB1	13.96	chrX	Xq13.1	40	91.09
Hs.143610	13.96	chr9	N/A	7	68.88
ARHGEF26	13.96	chr3	3q25.2	45	59.94
Hs.570945	13.96	chr5	N/A	3	56.71
KCNQ1DN	13.96	chr11	11p15.5	35	249.02
Hs.662930	13.96	chr1	N/A	10	24.97
HRNR	13.96	chr1	1q21.3	5	41.31
Hs.666600	13.96	chr18	N/A	7	113.24
DOK2	13.96	chr8	8p21.3	33	83.24
Hs.538703	13.96	chr11	N/A	3	70.86
CDCA5	13.96	chr11	11q12.1	26	88.49
LOC151174	13.95	chr2	2q37.3	23	53.97
Hs.148659	13.95	chr7	N/A	3	23.97
Hs.544791	13.95	chr7	N/A	10	48.50
Hs.676831	13.95	chr11	N/A	5	70.03
Hs.654971	13.95	chr4	N/A	1	0.00
Hs.128692	13.95	chr19	N/A	7	50.09
LOC253044	13.95	chr15	15q24.1	1	0.00

Hs.156773	13.95	chr13	N/A	10	108.53
TDRD12	13.95	chr19	19q13.11	37	93.68
ABCB11	13.95	chr2	2q24	35	68.62
Hs.576213	13.95	chr1	N/A	3	60.64
Hs.561363	13.95	chr5	N/A	3	21.73
Hs.705958	13.95	chr4	N/A	10	40.46
Hs.580032	13.95	chr7	N/A	3	57.36
PCSK1	13.95	chr5	5q15-q21	51	127.96
Hs.547831	13.95	chrX	N/A	18	62.73
Hs.130268	13.94	chr8	N/A	3	10.39
REG4	13.94	chr1	1p13.1-p12	44	94.01
Hs.495811	13.94	chr3	N/A	3	32.45
GCKR	13.94	chr2	2p23	30	99.25
SPINK5	13.94	chr5	5q32	30	71.37
Hs.633313	13.94	chr19	N/A	8	93.09
Hs.436346	13.94	chr1	N/A	3	101.11
OR12D2	13.94	chr6	6p22.2-p21.31	21	56.89
SPINT3	13.94	chr20	20q12-q13.1	7	58.88
KYNU	13.94	chr2	2q22.2	115	90.88
LOC100505650	13.93	chr1	N/A	12	67.87
Hs.202053	13.93	chr18	N/A	3	75.25
Hs.564531	13.93	chr13	N/A	3	22.53
Hs.570567	13.93	chr3	N/A	10	23.62
Hs.542112	13.93	chr2	N/A	3	74.80
RUNDC3B	13.93	chr7	7q21.12	29	100.96
Hs.543175	13.92	chr3	N/A	3	17.06
LOC400768	13.92	chr1	1p13.3	4	55.27
Hs.635637	13.92	chr2	N/A	3	47.54
ZNF677	13.92	chr19	19q13.42	16	75.83
Hs.659738	13.92	chr17	N/A	7	77.26
PCAT4	13.92	chr4	4q21.1	29	265.38
Hs.709987	13.92	chr4	N/A	8	85.49
KNG1	13.92	chr3	3q27	67	105.13
Hs.49053	13.92	chr20	N/A	8	51.99
ROS1	13.92	chr6	6q22	60	99.72
PRR19	13.92	chr19	19q13.2	12	67.37
Hs.547732	13.91	chr6	N/A	10	75.24
FBXL4	13.91	chr6	6q16.1-q16.3	56	76.96
TRIM46	13.91	chr1	1q22	44	65.24
Hs.486102	13.91	chr11	N/A	3	29.74
R3HDML	13.91	chr20	20q13.12	19	77.43
Hs.538859	13.91	chr11	N/A	3	46.61
Hs.663240	13.91	chr9	N/A	7	92.43
Hs.566432	13.91	chr6	N/A	3	94.33
DNAH17	13.91	chr17	17q25.3	51	173.67
OR2T35	13.91	chr1	1q44	6	66.32
Hs.397001	13.91	chr5	N/A	12	33.10
DUOX1	13.91	chr15	15q15.3	44	80.90
MS4A12	13.90	chr11	11q12	21	82.10
HIGD2B	13.90	chr15	15q24.1	10	141.81
Hs.580891	13.90	chr21	N/A	3	76.34
SYT12	13.90	chr11	11q13.2	53	120.35
RBPJL	13.90	chr20	20q12-q13.1	21	53.88
Hs.539412	13.90	chr12	N/A	7	56.73
ODF2L	13.89	chr1	1p22.3	62	99.44
Hs.656794	13.89	chr19	N/A	7	61.37
Hs.443198	13.89	chr6	N/A	3	64.56
NXT2	13.89	chrX	Xq23	35	85.11
Hs.566332	13.89	chr5	N/A	3	69.18
LOC100506125	13.89	chr12	N/A	24	66.54
Hs.661437	13.89	chr1	N/A	7	135.30
Hs.614013	13.89	chr10	N/A	3	62.04
FLJ14186	13.89	chr4	4q26	5	59.46
Hs.566751	13.89	chr7	N/A	3	55.58
Hs.579889	13.89	chr19	N/A	3	50.33
GRIK3	13.89	chr1	1p34.3	43	144.49

NAIP	13.89	chr5	5q13.2	62	74.61
Hs.402837	13.89	chr3	N/A	3	47.89
Hs.105081	13.89	chr6	N/A	14	69.56
Hs.655795	13.89	chr12	N/A	1	0.00
IRGM	13.89	chr5	5q33.1	4	73.15
MEIS1-AS3	13.89	chr2	2p14	3	128.33
LOC100130560	13.89	chr15	15q26.1	7	86.94
CYP11B2	13.89	chr8	8q21-q22	23	102.85
Hs.131365	13.89	chr11	N/A	4	80.48
Hs.596813	13.88	chr1	N/A	3	69.39
Hs.545128	13.88	chr7	N/A	3	51.11
Hs.571256	13.88	chr7	N/A	8	116.89
THPO	13.88	chr3	3q27	52	126.00
Hs.150022	13.88	chr2	N/A	20	55.32
KIAA1199	13.88	chr15	15q24	46	89.32
Hs.546227	13.88	chrY	N/A	3	89.17
Hs.593659	13.88	chr5	N/A	8	94.69
Hs.665217	13.87	chr10	N/A	7	131.79
Hs.385770	13.87	chr2	N/A	4	83.45
KCNG2	13.87	chr18	18q23	24	103.30
KL	13.87	chr13	13q12	20	96.78
Hs.667132	13.87	chr15	N/A	1	0.00
Hs.500557	13.87	chr17	N/A	2	94.13
Hs.113631	13.87	chr21	N/A	16	48.73
AHNAK2	13.87	chr14	14q32.33	49	124.48
Hs.565130	13.87	chr18	N/A	3	39.55
Hs.603671	13.87	chr16	N/A	3	85.15
Hs.271955	13.86	chr5	N/A	1	0.00
Hs.632903	13.86	chr3	N/A	14	72.04
Hs.533936	13.86	chr18	N/A	10	67.93
Hs.635685	13.86	chr5	N/A	1	0.00
LOC100996417	13.86	chr19	N/A	7	54.15
Hs.740867	13.86	chr2	N/A	1	0.00
LRRC19	13.86	chr9	9p21.2	35	114.07
LOC100131043	13.86	chr6	6p21.2	1	0.00
KRT4	13.86	chr12	12q13.13	35	106.78
Hs.551409	13.86	chr2	N/A	3	72.43
KDELC1	13.86	chr13	13q33	118	45.84
Hs.566422	13.86	chr5	N/A	3	29.87
BAIAP2L2	13.85	chr22	22q13.1	49	56.69
Hs.599749	13.85	chr10	N/A	3	37.05
CD226	13.85	chr18	18q22.3	30	73.56
C1orf186	13.85	chr1	1q32.1	21	70.34
MARVELD3	13.85	chr16	16q22.2	62	96.11
Hs.574786	13.85	chr20	N/A	3	21.33
Hs.543075	13.85	chr3	N/A	3	18.71
Hs.574673	13.85	chr2	N/A	3	43.46
Hs.539450	13.85	chr12	N/A	3	66.94
Hs.545076	13.85	chr7	N/A	3	35.41
Hs.563825	13.85	chr1	N/A	3	63.66
Hs.565379	13.84	chr2	N/A	3	27.10
SP7	13.84	chr12	12q13.13	19	68.52
Hs.566903	13.84	chr8	N/A	3	65.08
Hs.481117	13.84	chr4	N/A	2	28.19
LRRC15	13.84	chr3	3q29	54	114.07
WDR64	13.84	chr1	1q43	26	63.32
Hs.520877	13.84	chr7	N/A	2	13.56
Hs.649600	13.84	chr4	N/A	3	47.31
Hs.567094	13.84	chr9	N/A	3	41.85
TEX13B	13.84	chrX	Xq22.3	21	62.86
SERINC2	13.84	chr1	1p35.1	63	103.41
PCDHA6	13.84	chr5	5q31	10	123.51
Hs.131334	13.83	chr7	N/A	21	60.72
Hs.63158	13.83	chr10	N/A	10	72.55
TREML2	13.83	chr6	6p21.1	38	73.70
EAF2	13.83	chr3	3q13.33	34	62.58

Hs.516741	13.83	chr2	N/A	3	49.31
FAM135B	13.83	chr8	8q24.23	32	155.80
SLC25A48	13.83	chr5	5q31.1	28	93.73
Hs.540398	13.82	chr15	N/A	3	72.50
Hs.543189	13.82	chr3	N/A	3	100.17
Hs.664655	13.82	chr8	N/A	7	35.95
Hs.538460	13.82	chr10	N/A	3	37.95
Hs.543759	13.82	chr4	N/A	3	94.92
NBEAL1	13.82	chr2	2q33.2	42	78.52
Hs.687519	13.82	chr5	N/A	2	72.04
Hs.582289	13.82	chr5	N/A	3	23.83
Hs.600283	13.81	chr6	N/A	3	99.95
Hs.541299	13.81	chr19	N/A	7	77.37
Hs.547858	13.81	chrX	N/A	3	17.11
Hs.437856	13.81	chr1	N/A	3	18.14
ZNF385C	13.81	chr17	17q21.2	11	54.84
Hs.597536	13.81	chr8	N/A	1	0.00
Hs.150471	13.81	chr5	N/A	7	111.61
Hs.544021	13.81	chr5	N/A	3	54.11
Hs.131465	13.81	chr5	N/A	10	102.07
Hs.550129	13.81	chr8	N/A	4	45.96
Hs.544609	13.81	chr6	N/A	3	24.20
Hs.656825	13.81	chr21	N/A	1	0.00
ZNF551	13.80	chr19	19q13.43	43	57.45
LOC100133612	13.80	chr1	1p36.32	5	79.20
Hs.147636	13.80	chr18	N/A	3	53.87
Hs.132585	13.80	chr4	N/A	3	32.60
CNTLN	13.80	chr9	9p22.2	61	89.08
Hs.671823	13.80	chr5	N/A	1	0.00
Hs.205745	13.80	chr7	N/A	4	70.10
Hs.640585	13.80	chr7	N/A	3	83.52
Hs.576820	13.80	chr10	N/A	3	61.58
Hs.566282	13.80	chr5	N/A	3	55.64
Hs.648215	13.80	chr12	N/A	3	56.25
Hs.739195	13.80	chr12	N/A	3	40.25
Hs.735397	13.80	chr10	N/A	10	45.26
Hs.48100	13.80	chr1	N/A	11	214.48
Hs.603126	13.80	chr18	N/A	3	42.52
Hs.615966	13.80	chr18	N/A	3	59.66
Hs.663973	13.79	chr6	N/A	8	107.56
GABRA5	13.79	chr15	15q12	41	147.51
Hs.655906	13.79	chr11	N/A	1	0.00
Hs.658297	13.79	chr1	N/A	7	48.94
Hs.554235	13.79	chr21	N/A	3	31.09
E2F2	13.79	chr1	1p36	38	88.46
Hs.570922	13.79	chr5	N/A	3	80.25
Hs.572272	13.79	chr14	N/A	3	64.74
Hs.655376	13.79	chr4	N/A	1	0.00
Hs.584259	13.79	chr9	N/A	3	5.10
TMEM154	13.79	chr4	4q31.3	26	73.11
USP51	13.79	chrX	Xp11.21	25	68.76
Hs.563998	13.79	chr10	N/A	3	90.51
Hs.640506	13.79	chr20	N/A	3	20.41
Hs.663918	13.78	chr8	N/A	8	96.22
Hs.148081	13.78	chr21	N/A	10	88.67
TMEM163	13.78	chr2	2q21.3	57	89.59
Hs.667687	13.78	chr17	N/A	2	64.18
Hs.660906	13.78	chrX	N/A	7	64.98
Hs.537983	13.78	chr12	N/A	3	30.09
LOC440082	13.78	chr12	12p13.2	3	53.43
Hs.730925	13.78	chr16	N/A	14	39.67
GAS5-AS1	13.78	chr1	N/A	16	116.50
Hs.541056	13.78	chr18	N/A	3	79.18
KRTAP10-5	13.78	chr21	21q22.3	6	79.34
MAGIX	13.78	chrX	Xp11.23	35	97.01
Hs.659083	13.78	chr18	N/A	3	50.77

Hs.347810	13.77	chr16	N/A	3	72.06
CCNYL2	13.77	chr10	10q11.21	5	46.04
Hs.658224	13.77	chr13	N/A	8	47.19
CSF2	13.77	chr5	5q31.1	37	115.34
Hs.512989	13.77	chr15	N/A	3	39.98
Hs.548070	13.77	chr22	N/A	3	46.21
Hs.21383	13.77	chr5	N/A	6	70.11
Hs.335010	13.77	chr7	N/A	3	60.44
LOC730101	13.77	chr6	6p12.2	24	81.72
NLRP12	13.77	chr19	19q13.42	36	147.96
Hs.660229	13.77	chr4	N/A	3	56.86
Hs.577831	13.77	chr13	N/A	3	33.41
Hs.543052	13.77	chr3	N/A	3	68.36
SAMSN1-AS1	13.76	chr21	N/A	3	36.32
Hs.603705	13.76	chr9	N/A	2	46.79
TDO2	13.76	chr4	4q31-q32	34	99.44
Hs.438979	13.76	chr6	N/A	12	134.40
Hs.659615	13.76	chr19	N/A	7	62.86
Hs.661359	13.76	chr3	N/A	7	44.79
Hs.196034	13.76	chr6	N/A	3	31.70
Hs.130262	13.76	chr16	N/A	2	17.84
PLCXD2	13.76	chr3	3q13.2	11	128.07
Hs.334332	13.76	chr1	N/A	3	89.19
DUX2	13.76	chr4	4q35.2	21	188.60
Hs.538345	13.76	chr10	N/A	3	18.80
Hs.465316	13.76	chr18	N/A	18	92.57
Hs.437939	13.76	chr21	N/A	3	40.89
MIAT	13.75	chr22	22q12.1	50	141.24
Hs.580824	13.75	chr20	N/A	3	26.93
CCDC140	13.75	chr2	2q36.1	17	140.53
Hs.541386	13.75	chr19	N/A	3	21.34
Hs.734074	13.75	chr8	N/A	10	59.10
Hs.634616	13.75	chr9	N/A	7	63.76
GABRA1	13.74	chr5	5q34	48	153.29
ITGB3	13.74	chr17	17q21.32	109	107.17
Hs.609652	13.74	chr5	N/A	1	0.00
Hs.122051	13.74	chr2	N/A	10	100.17
CCNA1	13.74	chr13	13q12.3-q13	30	71.07
TRIM17	13.74	chr1	1q42	24	94.65
Hs.666706	13.74	chr19	N/A	7	75.05
Hs.545952	13.74	chrX	N/A	3	67.35
Hs.527939	13.74	chr13	N/A	3	95.93
Hs.673455	13.74	chr8	N/A	1	0.00
Hs.199708	13.74	chr5	N/A	3	35.83
CACNA1G	13.74	chr17	17q22	61	101.50
Hs.543700	13.74	chr4	N/A	3	39.61
AATK-AS1	13.74	chr17	17q25.3	3	37.80
Hs.566146	13.73	chr4	N/A	3	92.48
Hs.544681	13.73	chr6	N/A	3	55.53
Hs.659137	13.73	chr4	N/A	8	90.82
TRPM8	13.73	chr2	2q37.1	29	152.76
Hs.662053	13.73	chr11	N/A	1	0.00
Hs.538798	13.73	chr11	N/A	3	78.65
RAB38	13.73	chr11	11q14	32	89.80
ASMTL-AS1	13.73	chrX	Xp22.33; Yp11.32	38	130.88
TTC16	13.73	chr9	9q34.11	31	101.33
Hs.736066	13.73	chr3	N/A	10	26.63
Hs.164324	13.73	chr17	N/A	12	177.64
WWC1	13.73	chr5	5q34	68	127.36
Hs.666065	13.72	chr20	N/A	14	101.85
EME1	13.72	chr17	17q21.33	26	92.14
Hs.580557	13.72	chr2	N/A	6	59.23
KCNC4	13.72	chr1	1p21	64	64.42
TBX1	13.72	chr22	22q11.21	68	134.06
Hs.597134	13.72	chr1	N/A	7	76.16
C10orf82	13.72	chr10	10q25.3	36	90.95

LOC100996448	13.72	chr2	N/A	5	73.96
ELOVL4	13.72	chr6	6q14	35	135.35
LOC100130817	13.72	chr16	16q13	3	59.80
Hs.378923	13.72	chr7	N/A	3	15.68
Hs.663580	13.72	chr4	N/A	7	78.78
Hs.661390	13.72	chr10	N/A	1	0.00
LOC100506691	13.71	chr12	N/A	4	59.52
CCDC159	13.71	chr19	19p13.2	13	139.88
LOC100506238	13.71	chr11	N/A	18	110.62
LOC400940	13.71	chr2	2p25.2	2	47.31
SFTA2	13.71	chr6	6p21.33	27	176.98
Hs.530415	13.71	chr1	N/A	3	69.54
Hs.564563	13.71	chr13	N/A	3	56.25
Hs.98744	13.71	chr6	N/A	3	65.96
Hs.598900	13.71	chr3	N/A	7	110.25
Hs.597857	13.71	chr1	N/A	10	189.38
LOC100130078	13.71	chr17	17q25.3	11	38.40
Hs.145784	13.71	chr5	N/A	2	65.67
Hs.211252	13.70	chr20	N/A	7	101.21
Hs.732506	13.70	chr12	N/A	7	59.54
Hs.666022	13.70	chr4	N/A	7	83.75
Hs.539124	13.70	chr12	N/A	3	75.07
Hs.567059	13.70	chr9	N/A	3	43.91
Hs.677790	13.70	chr12	N/A	1	0.00
Hs.609493	13.70	chr12	N/A	4	68.09
Hs.729540	13.70	chr20	N/A	4	104.32
Hs.446020	13.70	chr19	N/A	7	150.85
Hs.677037	13.69	chr6	N/A	1	0.00
Hs.734871	13.69	chr16	N/A	1	0.00
Hs.569768	13.69	chr17	N/A	3	42.39
LOC100130700	13.69	chr16	16p11.1	18	71.77
PADI4	13.69	chr1	1p36.13	46	105.53
Hs.576601	13.69	chr10	N/A	3	55.62
C1orf112	13.69	chr1	1q24.2	21	63.21
SPP2	13.69	chr2	2q37.1	28	109.96
CCDC135	13.69	chr16	16q21	33	166.32
SRRM2-AS1	13.69	chr16	16p13.3	4	105.36
Hs.584406	13.69	chrX	N/A	3	77.30
MXD3	13.69	chr5	5q35.3	38	59.72
Hs.545024	13.69	chr7	N/A	3	99.04
Hs.733497	13.69	chr18	N/A	1	0.00
Hs.657024	13.68	chr8	N/A	15	64.53
Hs.667541	13.68	chr14	N/A	2	109.75
CYP19A1	13.68	chr15	15q21.1	136	133.31
KDM5B-AS1	13.68	chr1	N/A	11	112.08
Hs.660113	13.68	chr16	N/A	8	80.18
SYT14	13.68	chr1	1q32.2	25	92.82
Hs.543093	13.68	chr3	N/A	3	56.00
Hs.744396	13.67	chr17	N/A	7	54.75
Hs.710970	13.67	chr3	N/A	1	0.00
SPATA12	13.67	chr3	3p14.3	24	81.44
LOC645262	13.67	chr1	1q21.2	3	90.05
Hs.543659	13.67	chr4	N/A	3	50.10
Hs.703006	13.67	chr11	N/A	5	35.09
Hs.436589	13.67	chr1	N/A	8	133.51
Hs.640336	13.67	chr4	N/A	3	62.88
OR2J2	13.67	chr6	6p22.2-p21.31	31	74.31
PARD6B	13.67	chr20	20q13.13	47	85.67
Hs.537450	13.67	chr6	N/A	18	99.25
C10orf99	13.67	chr10	10q23.1	22	88.34
Hs.129220	13.67	chr3	N/A	14	97.55
Hs.610951	13.67	chr9	N/A	3	34.80
Hs.570550	13.67	chr3	N/A	4	61.89
Hs.662220	13.66	chr3	N/A	3	59.24
AGTR2	13.66	chrX	Xq22-q23	33	114.41
Hs.571571	13.66	chr9	N/A	3	62.12

LOC100505474	13.66	chr18	N/A	18	74.65
SLC22A2	13.66	chr6	6q25.3	57	85.03
Hs.560725	13.66	chr19	N/A	7	96.49
LOC100499227	13.66	chr11	11q23	3	28.33
TEX13A	13.66	chrX	Xq22.3	29	109.71
Hs.539264	13.66	chr12	N/A	3	41.12
IL17RB	13.66	chr3	3p21.1	47	68.72
Hs.567421	13.66	chr15	N/A	2	102.09
ZBTB26	13.66	chr9	9q33.2	43	89.22
LRRN4	13.66	chr20	20p12.3	28	119.66
Hs.539609	13.65	chr13	N/A	3	48.56
Hs.538306	13.65	chr10	N/A	3	30.33
Hs.649268	13.65	chr9	N/A	10	79.54
SAG	13.65	chr2	2q37.1	40	103.12
Hs.149036	13.65	chr5	N/A	5	50.80
Hs.543520	13.65	chr4	N/A	3	23.10
Hs.129235	13.65	chr6	N/A	10	107.71
Hs.140841	13.65	chr9	N/A	3	64.56
Hs.486466	13.65	chr6	N/A	21	101.09
Hs.658280	13.65	chr4	N/A	7	67.95
LOC100506853	13.65	chr10	N/A	21	71.00
Hs.660787	13.65	chr3	N/A	7	28.85
Hs.539410	13.65	chr12	N/A	3	54.72
ZNF623	13.65	chr8	8q24.3	31	82.17
Hs.147781	13.64	chr10	N/A	3	65.15
CCDC168	13.64	chr13	13q33.1	13	48.18
NRG4	13.64	chr15	15q24.2	21	69.79
Hs.542149	13.64	chr2	N/A	3	46.64
Hs.562641	13.64	chr16	N/A	3	17.64
RNF157-AS1	13.64	chr17	N/A	8	113.96
Hs.545238	13.64	chr8	N/A	3	77.02
Hs.444808	13.63	chr1	N/A	3	44.15
ATP10A	13.63	chr15	15q11.2	56	79.76
ST7-AS2	13.63	chr7	7q31.2	15	180.51
Hs.645697	13.63	chr16	N/A	9	95.64
LOC729970	13.63	chr1	1p21.3	13	78.59
WDR87	13.63	chr19	19q13.13	19	151.86
Hs.662123	13.63	chr17	N/A	3	26.23
DPF1	13.63	chr19	19q13.2	29	78.32
Hs.564256	13.63	chr11	N/A	3	90.91
Hs.174761	13.62	chr6	N/A	3	77.21
Hs.44102	13.62	chr11	N/A	7	61.80
Hs.734927	13.62	chr21	N/A	5	93.25
BICC1	13.62	chr10	10q21.1	21	91.32
Hs.669773	13.62	chr4	N/A	1	0.00
Hs.596591	13.62	chr19	N/A	7	63.82
Hs.584721	13.62	chrY	N/A	3	15.57
MAP3K15	13.62	chrX	Xp22.12	16	84.41
LOH12CR2	13.62	chr12	12p13.2	20	76.62
Hs.597195	13.62	chrX	N/A	10	89.68
Hs.171036	13.62	chr9	N/A	3	71.20
Hs.52264	13.62	chr6	N/A	10	58.16
Hs.662183	13.62	chr8	N/A	15	148.47
Hs.547332	13.62	chr11	N/A	3	48.51
Hs.745069	13.62	chr6	N/A	8	11.65
Hs.580342	13.62	chr2	N/A	3	28.26
Hs.733255	13.61	chr5	N/A	1	0.00
Hs.613041	13.61	chr4	N/A	1	0.00
Hs.539519	13.61	chr12	N/A	3	118.20
Hs.561981	13.61	chr9	N/A	3	51.61
Hs.708322	13.61	chr15	N/A	7	43.22
Hs.675103	13.61	chr11	N/A	1	0.00
HHIPL2	13.61	chr1	1q41	31	96.99
DPP4	13.61	chr2	2q24.3	47	115.24
LOC100505679	13.61	chr15	N/A	9	60.28
Hs.544896	13.61	chr7	N/A	3	52.91

Hs.545351	13.61	chr8	N/A	3	68.57
Hs.326718	13.61	chr13	N/A	4	56.44
C22orf23	13.61	chr22	22q13.1	44	231.97
Hs.438273	13.61	chr8	N/A	3	10.01
SPAG8	13.61	chr9	9p13.3	44	111.13
Hs.520397	13.61	chr6	N/A	3	63.64
Hs.568897	13.61	chr11	N/A	3	26.81
Hs.596815	13.61	chr6	N/A	7	48.72
Hs.544406	13.61	chr6	N/A	3	59.51
Hs.412102	13.61	chr15	N/A	2	19.13
FAM160A1	13.60	chr4	4q31.3	12	153.47
Hs.635182	13.60	chr15	N/A	2	1.15
Hs.734125	13.60	chr3	N/A	1	0.00
LOC100505912	13.60	chr4	N/A	11	231.98
Hs.551837	13.60	chr1	N/A	1	0.00
Hs.733896	13.60	chr6	N/A	14	156.53
Hs.545241	13.60	chr8	N/A	5	76.57
FCRL5	13.60	chr1	1q21	43	120.54
Hs.656877	13.60	chr4	N/A	8	58.80
SSX4B	13.59	chrX	Xp11.23	51	100.28
Hs.661820	13.59	chr7	N/A	1	0.00
LOC644925	13.59	chr14	14q22.2	3	38.93
Hs.142253	13.59	chr4	N/A	7	57.60
Hs.662368	13.59	chr10	N/A	3	73.25
Hs.572747	13.59	chr2	N/A	3	58.00
Hs.581454	13.59	chr3	N/A	3	61.97
TECTA	13.59	chr11	11q22-q24	31	52.72
Hs.517125	13.59	chr20	N/A	5	60.22
Hs.151176	13.59	chr5	N/A	2	101.82
Hs.734054	13.59	chr4	N/A	7	122.88
ZBP1	13.59	chr20	20q13.31	32	167.91
LRRC37A2	13.59	chr17	17q21.31	27	50.19
Hs.403584	13.59	chr3	N/A	3	88.32
DNAH8	13.58	chr6	6p21.2	51	283.20
Hs.565022	13.58	chr17	N/A	3	61.27
TRERF1	13.58	chr6	6p21.1-p12.1	44	109.78
Hs.644882	13.58	chr16	N/A	3	30.58
CPB1	13.58	chr3	3q24	30	63.94
Hs.551771	13.58	chr6	N/A	4	78.62
Hs.257117	13.58	chr2	N/A	3	47.97
NTSR2	13.58	chr2	2p25.1	36	149.20
Hs.546024	13.58	chrX	N/A	3	38.71
Hs.677188	13.58	chr4	N/A	2	31.78
Hs.561274	13.58	chr4	N/A	3	12.51
Hs.124524	13.58	chr9	N/A	3	62.71
Hs.550982	13.58	chr2	N/A	3	47.01
Hs.634602	13.58	chr1	N/A	8	77.87
Hs.580392	13.58	chr2	N/A	3	91.19
Hs.574813	13.58	chr20	N/A	7	41.13
CDKAL1	13.57	chr6	6p22.3	62	74.59
P2RY13	13.57	chr3	3q24	46	91.42
Hs.578947	13.57	chr16	N/A	3	54.97
ASAP1-IT1	13.57	chr8	8q24.21	25	111.31
Hs.668464	13.57	chr16	N/A	3	58.11
LINC00402	13.57	chr13	N/A	10	31.90
FLJ33630	13.57	chr5	5q23.3	33	50.46
LRRC18	13.57	chr10	10q11.23	36	64.94
Hs.733901	13.56	chr10	N/A	2	102.53
ZNF81	13.56	chrX	Xp11.23	55	85.77
Hs.521794	13.56	chr8	N/A	3	14.48
Hs.563834	13.56	chr1	N/A	3	78.31
ELL3	13.56	chr15	15q15.3	36	65.45
LOC100507670	13.56	chr1	N/A	11	89.99
Hs.656237	13.56	chr3	N/A	11	60.99
Hs.432535	13.56	chr19	N/A	15	78.18
UNC5A	13.56	chr5	5q35.2	31	101.62

Hs.566701	13.56	chr7	N/A	3	58.18
Hs.656608	13.56	chr11	N/A	8	114.92
Hs.544598	13.56	chr6	N/A	3	24.65
Hs.593970	13.56	chr8	N/A	7	66.01
GLI2	13.56	chr2	2q14	65	115.29
Hs.720455	13.56	chr8	N/A	7	80.55
RSG1	13.56	chr1	1p36.13	28	86.63
CD3G	13.56	chr11	11q23	30	163.23
Hs.662641	13.55	chr3	N/A	3	58.49
Hs.566134	13.55	chr4	N/A	3	53.05
ZNF781	13.55	chr19	19q13.12	38	163.83
Hs.28327	13.55	chr6	N/A	3	36.86
Hs.167218	13.55	chr11	N/A	7	62.51
Hs.541265	13.55	chr19	N/A	3	42.42
Hs.635195	13.55	chr7	N/A	2	45.66
Hs.436979	13.55	chr6	N/A	3	52.31
BMPER	13.55	chr7	7p14.3	36	179.08
NELL1	13.55	chr11	11p15.1	36	100.91
Hs.565083	13.54	chr17	N/A	3	17.77
Hs.541871	13.54	chr2	N/A	3	31.47
ZNF599	13.54	chr19	19q13.11	37	124.86
Hs.399833	13.54	chr1	N/A	3	47.96
GPR123	13.54	chr10	10q26	26	189.66
Hs.659444	13.54	chr1	N/A	8	64.11
Hs.575411	13.54	chr7	N/A	3	50.55
Hs.657099	13.54	chr5	N/A	6	78.44
KIAA1377	13.54	chr11	11q22.1	45	119.45
FLJ27255	13.54	chr6	6q25.3	3	21.52
Hs.640203	13.54	chr6	N/A	3	42.00
Hs.575820	13.54	chr1	N/A	3	21.27
NHS	13.54	chrX	Xp22.13	34	82.57
CCL23	13.53	chr17	17q12	61	154.03
LOC100507377	13.53	chr12	N/A	10	228.97
TRIM40	13.53	chr6	6p22.1	17	285.27
NXF2	13.53	chrX	Xq22.1	30	66.22
Hs.581542	13.53	chr3	N/A	3	66.37
AKR1E2	13.53	chr10	10p15.1	30	60.60
Hs.594544	13.53	chr1	N/A	7	63.02
Hs.582097	13.53	chr4	N/A	3	52.83
Hs.562172	13.53	chr1	N/A	3	93.77
Hs.278817	13.53	chr2	N/A	3	56.43
Hs.661079	13.53	chr1	N/A	2	65.01
Hs.674006	13.53	chr12	N/A	11	47.07
PLB1	13.53	chr2	2p23.2	50	183.34
CSH2	13.53	chr17	17q24.2	36	151.81
LOC440786	13.53	chr22	22q11.1	5	48.03
TISP43	13.53	chr2	2q21.1	7	69.63
Hs.516048	13.53	chr2	N/A	3	50.97
Hs.596867	13.53	chr2	N/A	7	72.75
Hs.540784	13.53	chr17	N/A	4	58.17
DOCK10	13.53	chr2	2q36.2	69	101.28
Hs.720281	13.53	chr7	N/A	2	29.64
PTHLH	13.52	chr12	12p12.1-p11.2	45	80.91
Hs.122133	13.52	chr2	N/A	10	70.06
RBMXL2	13.52	chr11	11p15	37	116.86
Hs.566027	13.52	chr4	N/A	3	18.65
VSIG10L	13.52	chr19	19q13.41	18	50.63
Hs.543464	13.52	chr4	N/A	3	67.84
Hs.620808	13.52	chr17	N/A	11	170.45
Hs.436509	13.52	chr4	N/A	4	99.28
Hs.132446	13.52	chr3	N/A	7	115.44
Hs.659250	13.52	chr15	N/A	4	81.84
Hs.540023	13.52	chr14	N/A	3	39.95
SNAI3-AS1	13.52	chr16	16q24.3	12	55.40
C9orf96	13.52	chr9	9q34.2	19	158.18
Hs.542342	13.52	chr20	N/A	3	47.83

VIP	13.51	chr6	6q25	35	60.05
Hs.542624	13.51	chr21	N/A	3	95.76
Hs.543053	13.51	chr3	N/A	3	50.82
Hs.656568	13.51	chr8	N/A	7	97.39
Hs.541466	13.51	chr2	N/A	3	18.91
Hs.568685	13.51	chr1	N/A	11	40.81
Hs.569365	13.51	chr14	N/A	3	92.35
Hs.649221	13.51	chr2	N/A	3	83.82
CNGB1	13.51	chr16	16q13	52	87.94
Hs.538454	13.51	chr10	N/A	10	131.86
Hs.666231	13.51	chr18	N/A	5	122.29
Hs.561814	13.51	chr8	N/A	3	86.60
SPATA31A3	13.51	chr9	9p13.1	10	81.09
INHBE	13.50	chr12	12q13.3	21	98.82
Hs.580105	13.50	chr2	N/A	3	53.66
Hs.656585	13.50	chr1	N/A	18	107.52
TRPM5	13.50	chr11	11p15.5	19	50.15
RHOH	13.50	chr4	4p13	120	160.01
FAM71F2	13.50	chr7	7q32.1	6	88.70
Hs.667645	13.50	chr15	N/A	3	78.44
Hs.574211	13.50	chr15	N/A	2	35.58
Hs.377159	13.50	chr4	N/A	3	24.24
LOC100132046	13.50	chr8	8p23.1	9	19.63
Hs.548217	13.50	chr1	N/A	3	23.89
CST2	13.49	chr20	20p11.21	21	91.39
Hs.539693	13.49	chr13	N/A	3	59.10
Hs.727691	13.49	chr18	N/A	7	100.81
Hs.501911	13.49	chr11	N/A	2	12.11
Hs.743739	13.49	chr16	N/A	5	82.55
Hs.562340	13.49	chr11	N/A	2	35.59
GOLGA8F	13.49	chr15	15q13.1	5	52.10
ARMCX4	13.49	chrX	Xq22.1	68	296.38
ZIC3	13.49	chrX	Xq26.2	28	109.04
LOC100506606	13.49	chr12	N/A	1	0.00
Hs.454202	13.49	chr9	N/A	6	63.79
PSTPIP2	13.49	chr18	18q12	40	97.32
Hs.604230	13.49	chr3	N/A	1	0.00
Hs.541638	13.48	chr2	N/A	3	76.70
Hs.637082	13.48	chr17	N/A	3	16.93
PIEZO2	13.48	chr18	18p11.22	70	120.14
CLHC1	13.48	chr2	2p16.1	22	103.43
OAZ3	13.48	chr1	1q21.3	38	126.01
Hs.204764	13.48	chr15	N/A	3	54.60
Hs.723431	13.48	chr3	N/A	1	0.00
PTPRT	13.48	chr20	20q12-q13	44	96.09
Hs.476944	13.48	chr3	N/A	2	68.43
Hs.548040	13.47	chr2	N/A	14	93.85
Hs.545706	13.47	chr9	N/A	3	45.56
Hs.281959	13.47	chr6	N/A	2	95.33
TMEM212	13.47	chr3	3q26.31	8	60.09
Hs.259036	13.47	chr6	N/A	3	61.23
Hs.668429	13.47	chr1	N/A	11	36.30
C14orf166B	13.47	chr14	14q24.3	11	77.01
LINC00028	13.47	chr20	20q11.21	1	0.00
OR51V1	13.47	chr11	11p15.4	8	150.39
NIM1	13.47	chr5	5p12	19	94.48
Hs.663025	13.47	chr19	N/A	7	63.83
AMBP	13.47	chr9	9q32-q33	33	122.87
Hs.544727	13.47	chr6	N/A	3	69.60
MANEA	13.46	chr6	6q16.1	56	74.19
Hs.253430	13.46	chr3	N/A	3	41.63
LOC402269	13.46	chr7	7q11.21	3	72.52
Hs.734912	13.46	chr17	N/A	2	72.03
Hs.539629	13.46	chr13	N/A	3	82.69
Hs.65882	13.46	chrX	N/A	3	21.95
MLC1	13.46	chr22	22q13.33	39	91.69

Hs.617463	13.46	chrX	N/A	3	36.75
AK8	13.46	chr9	9q34.13	22	70.47
Hs.12764	13.46	chr12	N/A	4	76.69
Hs.575260	13.46	chr5	N/A	3	46.13
Hs.565086	13.46	chr17	N/A	3	29.42
LOC100996595	13.46	chr1	N/A	12	209.57
Hs.738304	13.46	chr7	N/A	3	54.98
Hs.596043	13.45	chr2	N/A	5	32.58
KRTAP19-2	13.45	chr21	21q22.1	6	50.93
PP13	13.45	chr17	17q25.3	15	91.97
Hs.667192	13.45	chr14	N/A	11	44.42
GALNT5	13.45	chr2	2q24.1	43	110.31
Hs.613479	13.45	chr6	N/A	1	0.00
FLJ42393	13.45	chr3	3q27.3	18	67.06
LOC400654	13.45	chr18	18q22.1	4	66.74
Hs.734405	13.45	chr8	N/A	1	0.00
Hs.716850	13.45	chr21	N/A	7	101.54
Hs.652802	13.45	chr3	N/A	3	41.29
Hs.667268	13.45	chr8	N/A	7	57.57
Hs.439498	13.45	chr2	N/A	3	62.54
LOC100131662	13.45	chr2	2q11.1	14	46.57
Hs.628272	13.45	chr1	N/A	10	34.02
PP2D1	13.45	chr3	3p24.3	19	58.31
ZNF763	13.45	chr19	19p13.2	5	37.33
CPS1	13.45	chr2	2q35	137	278.92
KCNA7	13.44	chr19	19q13.3	29	120.93
SKIDA1	13.44	chr10	10p12.31	18	82.97
Hs.542429	13.44	chr20	N/A	3	44.37
Hs.599489	13.44	chr11	N/A	1	0.00
Hs.658887	13.44	chr13	N/A	1	0.00
BEAN1	13.44	chr16	16q21	31	74.85
HEPACAM2	13.44	chr7	7q21.3	43	128.04
Hs.171397	13.44	chr4	N/A	4	41.48
LOC154449	13.44	chr6	6q27	3	38.95
Hs.543452	13.44	chr4	N/A	3	62.19
Hs.571263	13.44	chr7	N/A	10	32.86
G6PC2	13.44	chr2	2q24.3	27	69.94
Hs.562147	13.44	chr1	N/A	10	25.19
Hs.214368	13.44	chr19	N/A	10	155.74
Hs.557803	13.43	chr9	N/A	3	73.59
Hs.598523	13.43	chr5	N/A	7	114.65
Hs.526996	13.43	chr3	N/A	3	14.19
Hs.402427	13.43	chr2	N/A	3	21.51
Hs.572666	13.43	chr2	N/A	7	102.56
C6orf163	13.43	chr6	6q15	19	69.60
Hs.282397	13.43	chr12	N/A	3	58.89
Hs.536630	13.43	chr4	N/A	3	49.71
CSNK1G2-AS1	13.43	chr19	19p13.3	17	188.03
ABCC4	13.43	chr13	13q32	67	96.29
LOC100132529	13.43	chr16	16q22.2	7	67.42
LETM2	13.43	chr8	8p11.23	20	64.50
PSMD6-AS2	13.43	chr3	3p14	4	63.68
Hs.128108	13.42	chr2	N/A	3	78.13
Hs.603466	13.42	chr1	N/A	7	49.08
Hs.53997	13.42	chrX	N/A	11	120.73
ZNF780A	13.42	chr19	19q13.2	27	106.40
Hs.633316	13.42	chr4	N/A	16	114.52
NAALADL1	13.42	chr11	11q12	31	132.13
Hs.597227	13.42	chr5	N/A	7	55.12
Hs.521310	13.42	chr10	N/A	3	40.38
FSBP	13.42	chr8	8q	17	151.84
Hs.663990	13.42	chr7	N/A	7	40.11
CFC1	13.42	chr2	2q21.1	31	52.34
ARL9	13.41	chr4	4q12	16	112.01
Hs.695103	13.41	chr5	N/A	10	23.86
Hs.582216	13.41	chr5	N/A	3	70.94

Hs.89081	13.41	chr12	N/A	7	91.94
Hs.579914	13.41	chr19	N/A	3	21.24
LOC100130557	13.41	chr1	1p34.2	28	125.14
Hs.586309	13.41	chr7	N/A	3	47.51
Hs.171192	13.41	chr2	N/A	1	0.00
Hs.102896	13.41	chr4	N/A	10	57.69
Hs.582293	13.41	chr5	N/A	3	21.19
CRLF2	13.41	chrX	Xp22.3; Yp11.3	27	53.27
Hs.734220	13.41	chr5	N/A	7	95.57
Hs.734273	13.41	chr18	N/A	2	9.12
Hs.156984	13.41	chr17	N/A	7	101.34
Hs.522143	13.41	chr16	N/A	29	120.33
NR1H4	13.40	chr12	12q23.1	32	84.75
SIGLEC10	13.40	chr19	19q13.3	20	104.92
Hs.577172	13.40	chr11	N/A	3	13.62
PRSS42	13.40	chr3	3p21.31	18	49.94
Hs.657782	13.40	chr13	N/A	8	75.80
ZSCAN29	13.40	chr15	15q15.3	38	134.80
Hs.477877	13.40	chr3	N/A	3	56.75
TFR2	13.40	chr7	7q22	55	67.17
Hs.582659	13.40	chr6	N/A	3	29.36
Hs.581503	13.40	chr3	N/A	3	29.60
SRMS	13.40	chr20	N/A	19	60.80
Hs.545643	13.40	chr9	N/A	3	87.63
Hs.245931	13.40	chr9	N/A	14	75.26
Hs.666315	13.40	chr6	N/A	7	110.30
Hs.551057	13.40	chr13	N/A	3	110.53
PTPN5	13.39	chr11	11p15.1	25	59.49
TGM4	13.39	chr3	3p22-p21.33	64	127.96
Hs.551127	13.39	chr8	N/A	10	83.76
Hs.352427	13.39	chr11	N/A	3	30.55
Hs.544749	13.39	chr6	N/A	3	64.40
PIK3CG	13.39	chr7	7q22.3	43	87.17
Hs.672575	13.39	chr5	N/A	1	0.00
MUC7	13.39	chr4	4q13.3	37	112.19
PRAMEF1	13.39	chr1	1p36.21	37	101.53
Hs.153238	13.39	chr3	N/A	5	107.96
RNF128	13.39	chrX	Xq22.3	44	117.63
Hs.564221	13.39	chr11	N/A	3	40.91
KLRD1	13.39	chr12	12p13	39	92.60
ITIH1	13.39	chr3	3p21.1	30	63.56
LRR30	13.39	chr18	18p11.23	3	68.94
Hs.565749	13.39	chr21	N/A	3	39.20
LOC93463	13.39	chr2	2q37.3	14	253.41
Hs.541801	13.38	chr2	N/A	3	76.00
Hs.544491	13.38	chr6	N/A	3	38.06
Hs.538383	13.38	chr10	N/A	3	48.52
TIFAB	13.38	chr5	5q31.1	7	69.97
Hs.596778	13.38	chr12	N/A	7	61.95
Hs.713713	13.38	chr15	N/A	1	0.00
Hs.664620	13.38	chr1	N/A	8	92.11
Hs.538496	13.38	chr10	N/A	3	63.36
Hs.560672	13.38	chr19	N/A	7	53.58
UNC5C	13.38	chr4	4q21-q23	72	144.13
PDHA2	13.38	chr4	4q22-q23	26	89.83
Hs.576763	13.38	chr10	N/A	3	81.58
ASCL3	13.38	chr11	11p15.3	21	80.19
Hs.513152	13.38	chr15	N/A	3	26.61
HDX	13.38	chrX	Xq21.1	22	87.57
Hs.568720	13.38	chr1	N/A	3	28.83
PRAMEF21	13.37	chr1	1p36.21	3	47.57
RSBN1L-AS1	13.37	chr7	N/A	18	48.66
Hs.190988	13.37	chr11	N/A	4	48.92
Hs.407480	13.37	chr4	N/A	1	0.00
Hs.635226	13.37	chr1	N/A	3	63.96
NBPF4	13.37	chr1	1p13.3	12	42.94

OR5L1	13.37	chr11	11q11	9	88.52
Hs.538112	13.37	chr1	N/A	3	29.98
Hs.615036	13.37	chr8	N/A	2	43.04
Hs.682090	13.37	chr9	N/A	3	61.43
Hs.385561	13.37	chr1	N/A	1	0.00
LINC00518	13.37	chr6	6p24.3	25	69.71
ANKRD34A	13.37	chr1	1q21.1	16	136.75
Hs.544197	13.37	chr5	N/A	5	79.61
TAS2R14	13.36	chr12	12p13	48	109.49
Hs.45117	13.36	chr4	N/A	14	60.48
Hs.106296	13.36	chr12	N/A	3	52.31
Hs.601019	13.36	chr2	N/A	7	70.73
SMIM17	13.36	chr19	19q13.43	1	0.00
Hs.248294	13.36	chr6	N/A	3	31.24
Hs.634116	13.36	chr12	N/A	3	37.23
Hs.607986	13.36	chr5	N/A	1	0.00
GPR132	13.36	chr14	14q32.3	32	165.40
Hs.127013	13.36	chr3	N/A	5	49.04
Hs.549774	13.35	chr10	N/A	3	53.55
Hs.571204	13.35	chr6	N/A	3	63.54
TCP11	13.35	chr6	6p21.31	21	106.18
Hs.661668	13.35	chr8	N/A	1	0.00
TCP10	13.35	chr6	6q27	23	68.85
ALDH3A1	13.35	chr17	17p11.2	30	101.00
LOC100506373	13.35	chr17	N/A	4	77.80
Hs.733660	13.35	chr4	N/A	9	84.31
ZG16	13.35	chr16	16p11.2	44	90.97
Hs.287292	13.35	chr21	N/A	3	59.90
SPATA18	13.35	chr4	4q12	42	61.68
Hs.537616	13.35	chr1	N/A	5	22.45
Hs.595233	13.35	chr20	N/A	10	60.83
LOC100506071	13.35	chr14	N/A	1	0.00
NMUR2	13.35	chr5	5q33.1	14	129.49
Hs.447737	13.35	chr5	N/A	3	86.67
Hs.199759	13.35	chr2	N/A	3	61.24
DSG1	13.35	chr18	18q12.1	37	98.92
Hs.512544	13.34	chr7	N/A	7	48.37
KCNE3	13.34	chr11	11q13.4	33	97.75
Hs.605510	13.34	chr8	N/A	1	0.00
Hs.669083	13.34	chr21	N/A	1	0.00
Hs.662925	13.34	chr5	N/A	7	57.55
Hs.570942	13.34	chr5	N/A	3	39.32
Hs.162279	13.34	chr14	N/A	3	32.41
IQCF6	13.33	chr3	3p21.2	10	104.07
TXK	13.33	chr4	4p12	43	120.43
GCM2	13.33	chr6	6p23	35	210.18
Hs.98163	13.33	chr13	N/A	7	48.82
Hs.661718	13.33	chr22	N/A	1	0.00
Hs.58013	13.33	chr14	N/A	4	90.09
Hs.458606	13.33	chr19	N/A	3	72.14
LOC100129316	13.33	chr9	9q22.2	6	49.37
Hs.737118	13.33	chr1	N/A	9	55.89
Hs.734016	13.33	chr2	N/A	8	59.21
VN1R1	13.33	chr19	19q13.4	21	63.31
LOC653602	13.32	chr2	2p24.3	9	81.12
Hs.552025	13.32	chr20	N/A	3	13.62
Hs.659332	13.32	chr11	N/A	2	103.98
Hs.657814	13.32	chr19	N/A	3	52.53
AQP12A	13.32	chr2	2q37.3	17	127.64
Hs.543618	13.32	chr4	N/A	3	55.22
FETUB	13.32	chr3	3q27	58	109.39
LOC100505549	13.32	chr18	N/A	19	109.73
Hs.729285	13.32	chr1	N/A	4	30.38
Hs.597508	13.32	chr5	N/A	8	79.98
Hs.129458	13.32	chr6	N/A	3	44.79
Hs.607553	13.32	chr17	N/A	1	0.00

Hs.201050	13.31	chr17	N/A	3	33.62
ADRB3	13.31	chr8	8p12	35	65.84
Hs.95034	13.31	chr12	N/A	1	0.00
Hs.538911	13.31	chr11	N/A	3	57.64
Hs.565106	13.31	chr3	N/A	1	0.00
Hs.568480	13.31	chr1	N/A	4	54.64
Hs.569235	13.31	chr13	N/A	3	78.49
Hs.543144	13.31	chr3	N/A	10	101.52
Hs.582857	13.31	chr6	N/A	3	61.21
LOC100996344	13.31	chr16	N/A	11	57.98
Hs.708673	13.31	chr1	N/A	4	41.52
COL6A5	13.30	chr3	3q22.1	29	99.73
LINC00636	13.30	chr3	3q13.12	8	80.36
Hs.734444	13.30	chr15	N/A	7	32.17
LINC00239	13.30	chr14	14q32.31	18	67.56
LOC100506675	13.30	chr11	N/A	12	80.38
Hs.443993	13.30	chr5	N/A	3	32.21
Hs.558200	13.30	chr4	N/A	1	0.00
Hs.308351	13.30	chr1	N/A	3	45.27
Hs.657739	13.30	chr11	N/A	1	0.00
LOC100130744	13.30	chr5	5p15.2	11	212.80
Hs.276442	13.30	chr20	N/A	3	38.73
LOC157273	13.30	chr8	8p23.1	1	0.00
Hs.545443	13.30	chr8	N/A	3	17.12
Hs.709978	13.30	chr2	N/A	5	53.70
Hs.540763	13.29	chr17	N/A	3	96.71
Hs.583463	13.29	chr7	N/A	3	100.11
RCAN3	13.29	chr1	1p35.3-p33	50	76.53
Hs.653540	13.29	chr13	N/A	3	45.65
KIAA0226L	13.29	chr13	13q14.13	67	113.21
LINC00494	13.29	chr20	20q13.13	8	96.29
LPAR4	13.29	chrX	Xq21.1	30	115.87
Hs.666477	13.29	chr7	N/A	2	94.32
LOC728196	13.29	chr11	11q23.1	1	0.00
TIGIT	13.29	chr3	3q13.31	19	120.46
UGT3A2	13.29	chr5	5p13.2	17	55.33
AKAP4	13.28	chrX	Xp11.2	36	101.52
Hs.469608	13.28	chr2	N/A	17	92.69
Hs.581655	13.28	chr3	N/A	3	58.35
Hs.732417	13.28	chr19	N/A	17	80.13
Hs.656501	13.28	chr10	N/A	1	0.00
SSX5	13.28	chrX	Xp11.23	23	125.22
Hs.557901	13.28	chr10	N/A	3	5.87
SULT1B1	13.28	chr4	4q13.3	29	128.47
Hs.518941	13.28	chr4	N/A	2	3.98
C15orf43	13.28	chr15	15q21.1	22	102.97
CD160	13.27	chr1	1q21.1	20	111.78
Hs.60260	13.27	chr12	N/A	3	75.71
Hs.511952	13.27	chr22	N/A	10	138.52
Hs.155004	13.27	chr12	N/A	1	0.00
Hs.673891	13.27	chr11	N/A	1	0.00
SAMD7	13.27	chr3	3q26.2	16	57.82
Hs.421532	13.27	chr6	N/A	10	90.67
Hs.550248	13.27	chr1	N/A	3	52.98
Hs.129560	13.27	chr1	N/A	3	89.41
BCL2L14	13.27	chr12	12p13-p12	54	95.14
CCDC17	13.26	chr1	1p34.1	21	77.41
Hs.658545	13.26	chr7	N/A	7	102.14
GRIK1	13.26	chr21	21q22.11	45	97.74
Hs.542014	13.26	chr2	N/A	5	85.38
KRTAP21-2	13.26	chr21	21q22.1	6	78.65
Hs.733781	13.26	chr10	N/A	3	92.63
Hs.606961	13.26	chr6	N/A	3	23.90
TRPV6	13.26	chr7	7q34	37	96.27
LOC647211	13.26	chr16	16p11.2	2	11.29
Hs.581671	13.26	chr4	N/A	3	55.19

LOC100506551	13.26	chr12	N/A	3	72.53
Hs.648985	13.26	chr19	N/A	8	56.67
OR51M1	13.26	chr11	11p15.4	4	51.89
Hs.664825	13.26	chr6	N/A	7	69.23
Hs.582812	13.26	chr6	N/A	3	31.19
Hs.697110	13.26	chr16	N/A	10	119.79
Hs.545073	13.26	chr7	N/A	3	68.56
Hs.664738	13.26	chr6	N/A	7	106.27
Hs.666196	13.26	chr7	N/A	5	135.05
C19orf81	13.26	chr19	19q13.33	1	0.00
LOC100507521	13.26	chr11	N/A	13	150.66
Hs.566738	13.26	chr7	N/A	3	79.11
Hs.564829	13.26	chr15	N/A	3	49.02
Hs.564446	13.25	chr12	N/A	3	55.96
Hs.180761	13.25	chr4	N/A	1	0.00
Hs.576313	13.25	chr1	N/A	3	44.91
Hs.588704	13.25	chr1	N/A	3	45.22
Hs.688925	13.25	chr2	N/A	5	84.67
LOC100505875	13.25	chr4	N/A	10	81.84
Hs.445077	13.25	chr3	N/A	3	54.35
Hs.613790	13.25	chr15	N/A	9	133.01
Hs.654686	13.25	chr18	N/A	1	0.00
Hs.586216	13.25	chr5	N/A	5	84.74
LINC00315	13.25	chr21	21q22.3	15	80.51
Hs.634685	13.25	chr19	N/A	13	23.49
MAP1LC3C	13.25	chr1	1q43	21	101.50
Hs.658096	13.25	chr7	N/A	1	0.00
L1TD1	13.24	chr1	1p31.3	43	98.40
LIN28A	13.24	chr1	1p36.11	21	71.69
Hs.539614	13.24	chr13	N/A	3	45.51
Hs.544190	13.24	chr5	N/A	3	26.20
Hs.566801	13.24	chr8	N/A	3	86.38
DCSTAMP	13.24	chr8	8q23	21	116.69
Hs.572260	13.24	chr13	N/A	10	83.64
Hs.549810	13.24	chr11	N/A	3	52.27
LOC100130452	13.24	chr2	2q33.1	3	83.15
Hs.565709	13.24	chr20	N/A	3	49.05
Hs.663583	13.24	chr1	N/A	5	57.70
Hs.558003	13.24	chr12	N/A	3	88.87
RPH3A	13.24	chr12	12q24.13	27	92.70
Hs.294131	13.24	chr6	N/A	7	77.62
COL4A3	13.23	chr2	2q36-q37	84	69.04
Hs.335362	13.23	chr17	N/A	3	35.78
Hs.572735	13.23	chr2	N/A	6	58.77
Hs.659696	13.23	chr4	N/A	3	69.56
LOC375196	13.23	chr2	2p22.3	11	159.57
SOST	13.23	chr17	17q11.2	22	75.09
Hs.146467	13.23	chr11	N/A	2	35.92
SFRP5	13.23	chr10	10q24.1	21	50.69
NALCN	13.23	chr13	13q32.3	33	77.49
FSD1	13.23	chr19	19p13.3	41	108.75
LOC100507281	13.23	chr10	N/A	8	59.19
Hs.663265	13.23	chr9	N/A	21	57.62
Hs.458395	13.23	chr6	N/A	8	60.55
Hs.675515	13.23	chr16	N/A	1	0.00
Hs.721259	13.22	chr4	N/A	22	52.97
Hs.446292	13.22	chr2	N/A	26	109.66
IQCD	13.22	chr12	12q24.13	21	94.81
Hs.666559	13.22	chr19	N/A	12	51.94
Hs.738335	13.22	chr2	N/A	3	73.99
Hs.133294	13.22	chr1	N/A	24	105.47
Hs.568627	13.22	chr1	N/A	3	52.00
Hs.520524	13.22	chr6	N/A	10	86.84
Hs.575112	13.22	chr4	N/A	3	90.77
Hs.567754	13.22	chr5	N/A	4	134.55
Hs.651358	13.22	chr15	N/A	24	104.40

Hs.664510	13.21	chr14	N/A	21	137.13
HOXB13	13.21	chr17	17q21.2	48	80.28
Hs.583802	13.21	chr8	N/A	3	16.32
Hs.543883	13.21	chr5	N/A	3	51.11
IFNA8	13.21	chr9	9p22	26	174.49
Hs.572624	13.21	chr19	N/A	3	11.67
Hs.202218	13.21	chr5	N/A	3	9.68
Hs.735926	13.20	chr10	N/A	3	37.72
SMIM6	13.20	chr17	N/A	18	133.14
WDR63	13.20	chr1	1p22.3	19	84.50
Hs.676018	13.20	chr13	N/A	1	0.00
NOS1AP	13.20	chr1	1q23.3	31	75.89
Hs.61312	13.20	chr16	N/A	7	68.18
Hs.582010	13.20	chr4	N/A	3	41.89
OR8J3	13.20	chr11	11q12.1	11	66.07
Hs.560046	13.20	chr12	N/A	3	35.90
Hs.598607	13.20	chr12	N/A	1	0.00
Hs.677088	13.20	chr18	N/A	1	0.00
C12orf66	13.20	chr12	12q14.2	37	97.03
BRS3	13.20	chrX	Xq26.3	24	86.94
Hs.543683	13.20	chr4	N/A	3	35.91
Hs.436447	13.20	chr1	N/A	3	64.51
Hs.601345	13.19	chr21	N/A	7	105.81
Hs.160098	13.19	chr1	N/A	1	0.00
Hs.503451	13.19	chr2	N/A	1	0.00
Hs.580451	13.19	chr2	N/A	3	72.35
Hs.541276	13.19	chr19	N/A	3	46.60
Hs.564534	13.19	chr13	N/A	10	92.85
Hs.586413	13.19	chr8	N/A	3	56.32
Hs.540264	13.19	chr15	N/A	3	63.67
KLHL4	13.19	chrX	Xq21.3	39	50.17
SIGLEC9	13.19	chr19	19q13.41	21	89.59
POU2F3	13.19	chr11	11q23.3	36	103.74
Hs.732575	13.19	chr9	N/A	7	63.99
NTSR1	13.19	chr20	20q13	33	67.60
LOC643802	13.19	chr16	16q12.2	12	41.38
TRIM31	13.18	chr6	6p21.3	55	99.75
Hs.581639	13.18	chr3	N/A	3	63.13
Hs.550204	13.18	chr7	N/A	10	88.16
NCKAP5	13.18	chr2	2q21.2	59	90.55
METAP1D	13.18	chr2	2q31.1	27	67.45
HCG4B	13.18	chr6	6p21.3	52	84.51
LOC100862671	13.18	chr16	16p	14	54.11
IL22	13.18	chr12	12q15	25	152.99
Hs.127715	13.18	chr13	N/A	3	78.14
Hs.658846	13.18	chr11	N/A	5	60.38
ULBP2	13.18	chr6	6q25	49	159.10
CASS4	13.18	chr20	20q13.31	22	75.86
LOC100505853	13.17	chr18	N/A	4	73.02
Hs.675486	13.17	chr12	N/A	5	63.55
DCST1	13.17	chr1	1q22	17	50.22
Hs.567121	13.17	chrX	N/A	3	53.55
Hs.658656	13.17	chr2	N/A	7	81.00
Hs.622739	13.17	chr11	N/A	3	37.98
Hs.539775	13.17	chr13	N/A	3	75.62
Hs.492496	13.17	chr8	N/A	3	42.22
Hs.201038	13.17	chr12	N/A	3	71.74
Hs.666854	13.17	chr4	N/A	14	57.57
Hs.637767	13.17	chr9	N/A	3	52.11
Hs.734001	13.16	chr3	N/A	7	98.18
Hs.582765	13.16	chr6	N/A	3	40.27
Hs.565908	13.16	chr3	N/A	3	23.46
WNT7A	13.16	chr3	3p25	32	96.26
C6orf165	13.16	chr6	6q15	42	68.19
Hs.654669	13.15	chr6	N/A	2	72.70
Hs.542846	13.15	chr3	N/A	3	48.00

Hs.606367	13.15	chr2	N/A	3	97.43
Hs.516862	13.15	chr2	N/A	6	90.58
Hs.570095	13.15	chr2	N/A	3	84.67
EFCAB10	13.15	chr7	7q22.3	20	194.05
Hs.667725	13.15	chr11	N/A	16	62.38
BCL2L15	13.15	chr1	1p13.2	40	76.66
LOC285627	13.15	chr5	5q33.3	1	0.00
WDR66	13.15	chr12	12q24.31	47	120.46
C22orf31	13.15	chr22	22q12.1	30	147.55
Hs.581564	13.15	chr3	N/A	3	59.92
YPEL4	13.14	chr11	11q12.1	34	38.38
Hs.543742	13.14	chr4	N/A	3	81.56
SLC25A35	13.14	chr17	17p13.1	22	48.52
Hs.120196	13.14	chr3	N/A	14	73.10
Hs.544127	13.14	chr5	N/A	10	65.81
Hs.596168	13.13	chr14	N/A	7	90.69
Hs.150043	13.13	chr5	N/A	4	39.82
Hs.576357	13.13	chr1	N/A	3	57.19
LOC100128059	13.13	chr5	5q35.1	3	93.13
Hs.680750	13.13	chr6	N/A	1	0.00
Hs.334137	13.13	chr8	N/A	3	43.87
B4GALNT4	13.13	chr11	11p15.5	29	76.83
Hs.571501	13.13	chr8	N/A	3	19.65
Hs.638451	13.13	chr5	N/A	3	76.30
SALL3	13.13	chr18	18q23	25	165.32
Hs.467233	13.13	chr19	N/A	3	82.81
CYLC2	13.13	chr9	9q31.1	37	96.23
Hs.533844	13.13	chr13	N/A	3	56.09
Hs.650527	13.13	chr16	N/A	3	17.63
GBA3	13.12	chr4	4p15.2	24	67.02
Hs.579101	13.12	chr17	N/A	3	72.33
QPCTL	13.12	chr19	19q13.32	20	111.62
Hs.660368	13.12	chr4	N/A	3	85.95
Hs.503854	13.12	chr11	N/A	1	0.00
Hs.662386	13.12	chr18	N/A	3	38.03
Hs.603359	13.12	chr5	N/A	2	63.31
Hs.436001	13.12	chr18	N/A	6	79.16
Hs.527009	13.12	chr7	N/A	3	59.87
RDM1	13.12	chr17	17q11.2	22	135.91
Hs.124358	13.12	chr15	N/A	3	106.87
Hs.612613	13.12	chr5	N/A	3	30.77
Hs.558098	13.12	chr17	N/A	3	52.34
Hs.593601	13.12	chr2	N/A	8	93.86
ADAMDEC1	13.12	chr8	8p21.2	31	81.32
C2orf57	13.12	chr2	2q37.1	24	152.77
Hs.602505	13.12	chr2	N/A	7	70.42
HTR7	13.12	chr10	10q21-q24	41	88.15
Hs.707326	13.12	chr9	N/A	7	62.87
Hs.406863	13.12	chr1	N/A	3	12.19
Hs.562320	13.12	chr11	N/A	4	76.47
Hs.635655	13.11	chr2	N/A	3	20.00
WWC2-AS2	13.11	chr4	4q35.1	28	91.56
Hs.537592	13.11	chr1	N/A	3	24.09
OR6A2	13.11	chr11	11p15	21	80.95
TFF2	13.11	chr21	21q22.3	28	50.97
PPIL6	13.11	chr6	6q21	37	96.12
PLEKHH2	13.11	chr2	2p21	46	103.41
Hs.539997	13.11	chr14	N/A	3	45.95
FAM66E	13.11	chr8	8p23.1	3	64.87
Hs.583010	13.11	chr6	N/A	3	30.20
PNPLA1	13.11	chr6	6p21.31	20	137.91
OR10K1	13.11	chr1	1q23.1	8	50.19
CTXN3	13.11	chr5	5q23.2	32	136.28
Hs.580473	13.11	chr2	N/A	3	43.20
Hs.620209	13.11	chr1	N/A	3	64.26
Hs.576968	13.11	chr11	N/A	3	65.77

Hs.132332	13.11	chr10	N/A	2	51.58
SIRPB2	13.11	chr20	20p13	14	36.78
LOC729047	13.10	chr10	10q11.23	3	58.32
HOTTIP	13.10	chr7	7p15.2	18	117.63
Hs.147375	13.10	chr11	N/A	4	58.33
Hs.374243	13.10	chr2	N/A	10	67.98
Hs.151498	13.10	chr4	N/A	7	105.41
C11orf45	13.10	chr11	11q24.3	17	77.89
PCYT1B	13.10	chrX	Xp22.11	50	105.35
Hs.618649	13.10	chr6	N/A	14	61.09
Hs.576428	13.10	chr1	N/A	3	51.66
Hs.599613	13.10	chr7	N/A	7	70.99
Hs.705920	13.10	chr4	N/A	14	89.36
Hs.537602	13.10	chr1	N/A	3	39.42
LOC345051	13.10	chr4	4q31.22	5	60.75
Hs.544111	13.10	chr5	N/A	3	65.40
C3orf22	13.10	chr3	3q21.3	33	80.83
Hs.408449	13.10	chr19	N/A	10	58.61
CCDC74A	13.10	chr2	2q21.1	13	76.94
ACVR1C	13.10	chr2	2q24.1	28	66.52
Hs.583879	13.10	chr8	N/A	3	10.32
Hs.543617	13.10	chr4	N/A	10	72.98
INS-IGF2	13.10	chr11	11p15.5	6	92.05
Hs.551280	13.10	chr1	N/A	1	0.00
TMEM179	13.10	chr14	14q32.33	19	99.25
Hs.579069	13.10	chr17	N/A	3	74.86
PSAPL1	13.09	chr4	4p16.1	11	218.46
Hs.547293	13.09	chr10	N/A	3	62.55
DNAH1	13.09	chr3	3p21.1	60	106.84
SPATA5	13.09	chr4	4q28.1	46	67.78
Hs.662511	13.09	chr20	N/A	7	82.15
Hs.658869	13.09	chr5	N/A	7	41.91
Hs.547943	13.09	chr12	N/A	2	110.30
Hs.224803	13.09	chr6	N/A	3	69.68
FAM87B	13.09	chr1	1p36.33	10	75.45
Hs.542267	13.09	chr20	N/A	3	10.72
Hs.681706	13.09	chr1	N/A	8	58.51
IL4	13.09	chr5	5q31.1	56	125.29
Hs.594362	13.08	chr5	N/A	7	68.68
Hs.606278	13.08	chr6	N/A	1	0.00
NTN5	13.08	chr19	19q13.33	31	75.99
Hs.577671	13.08	chr12	N/A	3	34.00
SCGB3A1	13.08	chr5	5q35-qter	17	32.16
Hs.298112	13.08	chr6	N/A	3	51.69
Hs.671201	13.08	chr19	N/A	1	0.00
Hs.666759	13.08	chr8	N/A	7	69.62
Hs.636825	13.08	chr16	N/A	4	59.72
FCN2	13.08	chr9	9q34.3	59	101.31
LOC100996672	13.08	chr19	N/A	1	0.00
LINC00578	13.08	chr3	N/A	9	179.77
Hs.595356	13.08	chr13	N/A	1	0.00
Hs.661336	13.08	chr17	N/A	7	97.55
Hs.539875	13.08	chr14	N/A	3	38.68
ALX4	13.08	chr11	11p11.2	28	65.52
Hs.665791	13.07	chr3	N/A	14	69.07
PPP1R27	13.07	chr17	17q25.3	7	84.10
Hs.544031	13.07	chr5	N/A	3	46.94
PLK5	13.07	chr19	19p13.3	3	65.87
Hs.417966	13.07	chr10	N/A	3	57.24
CLCA1	13.07	chr1	1p22.3	28	112.65
S100A7L2	13.07	chr1	1q21.3	6	116.67
KRTAP10-2	13.07	chr21	21q22.3	6	65.83
Hs.368500	13.07	chr6	N/A	10	83.57
FAM26E	13.07	chr6	6q22.1	27	97.30
ATG9B	13.07	chr7	7q36.1	56	72.65
C22orf29	13.07	chr22	22q11.21	7	84.89

LOC100287728	13.07	chrX	Xq26.3	20	156.97
Hs.576476	13.07	chr1	N/A	3	79.37
Hs.126811	13.06	chr17	N/A	11	75.66
Hs.635061	13.06	chr9	N/A	7	80.97
ANKRD42	13.06	chr11	11q14.1	43	69.23
ESM1	13.06	chr5	5q11.2	50	232.84
Hs.736403	13.06	chr20	N/A	1	0.00
Hs.653966	13.06	chr7	N/A	7	69.39
Hs.650729	13.06	chr4	N/A	3	13.87
P2RY10	13.06	chrX	Xq21.1	36	98.56
Hs.666281	13.06	chr3	N/A	7	83.81
Hs.566142	13.06	chr4	N/A	3	25.15
TP53AIP1	13.06	chr11	11q24	41	55.75
RPRM	13.06	chr2	2q23.3	28	68.58
Hs.664162	13.06	chr10	N/A	9	151.21
Hs.656289	13.06	chr10	N/A	8	90.39
Hs.543807	13.06	chr5	N/A	3	87.00
Hs.542160	13.06	chr2	N/A	3	41.40
Hs.515976	13.06	chr2	N/A	5	96.44
Hs.582518	13.06	chr5	N/A	3	15.90
Hs.489646	13.05	chr7	N/A	1	0.00
Hs.651889	13.05	chr14	N/A	3	54.94
Hs.544729	13.05	chr6	N/A	3	31.22
Hs.550394	13.05	chr2	N/A	3	61.91
Hs.596380	13.05	chr2	N/A	3	78.60
Hs.729305	13.05	chr7	N/A	2	19.28
Hs.403246	13.05	chr20	N/A	17	45.60
Hs.563609	13.05	chr9	N/A	3	70.72
OR4S2	13.05	chr11	11q11	5	59.72
Hs.543676	13.05	chr4	N/A	3	48.04
Hs.129561	13.05	chr11	N/A	10	72.22
Hs.604596	13.05	chr13	N/A	3	16.40
LOC100996673	13.04	chr20	N/A	14	61.66
Hs.566570	13.04	chr6	N/A	3	29.89
Hs.530030	13.04	chr7	N/A	3	25.03
TACR3	13.04	chr4	4q25	23	79.79
LOC100505915	13.04	chr16	N/A	38	58.37
Hs.554213	13.04	chr20	N/A	3	62.29
Hs.324879	13.04	chr5	N/A	3	27.10
Hs.530183	13.04	chr8	N/A	3	50.55
Hs.157803	13.04	chr16	N/A	3	59.41
Hs.156256	13.04	chr19	N/A	5	45.33
Hs.540476	13.04	chr16	N/A	3	77.16
CCDC74B	13.04	chr2	2q21.1	25	46.13
Hs.175285	13.04	chr1	N/A	11	77.14
Hs.597151	13.04	chr6	N/A	2	42.00
Hs.668113	13.04	chr2	N/A	2	0.76
HCG11	13.03	chr6	6p22.2	9	72.05
PLXNB3	13.03	chrX	Xq28	42	88.75
TMEM169	13.03	chr2	2q35	46	132.87
Hs.576136	13.03	chr1	N/A	3	73.18
UFSP1	13.03	chr7	7q22.1	6	85.64
Hs.745321	13.03	chr2	N/A	3	63.27
Hs.563806	13.03	chr1	N/A	8	86.70
C10orf55	13.03	chr10	10q22.2	11	45.53
CDKL1	13.03	chr14	14q21.3	52	100.30
Hs.382012	13.03	chr18	N/A	4	40.96
Hs.541659	13.03	chr2	N/A	10	94.21
Hs.569179	13.02	chr12	N/A	3	94.81
Hs.670888	13.02	chr6	N/A	1	0.00
Hs.539225	13.02	chr12	N/A	3	41.72
Hs.732442	13.02	chr9	N/A	7	131.82
MAP2	13.02	chr2	2q34-q35	69	100.44
Hs.58423	13.02	chr7	N/A	4	54.50
Hs.585896	13.02	chr19	N/A	2	13.35
SERPINA10	13.02	chr14	14q32.13	21	170.33

Hs.303763	13.02	chr4	N/A	3	69.49
Hs.634840	13.02	chr7	N/A	14	99.61
Hs.603227	13.02	chr16	N/A	7	47.58
Hs.521210	13.02	chr7	N/A	3	31.96
TMCO2	13.02	chr1	1p34.2	26	85.68
Hs.565687	13.02	chr20	N/A	3	45.39
GAPDHS	13.02	chr19	19q13.12	41	125.59
Hs.370108	13.02	chr21	N/A	3	59.81
Hs.232769	13.01	chr18	N/A	3	41.69
PROZ	13.01	chr13	13q34	30	101.44
Hs.434909	13.01	chr21	N/A	4	61.43
Hs.436582	13.01	chr4	N/A	3	24.35
Hs.633667	13.01	chr17	N/A	8	53.68
Hs.565092	13.01	chr17	N/A	3	46.49
UBL4B	13.01	chr1	1p13.3	17	134.05
Hs.659388	13.01	chr14	N/A	3	65.19
Hs.543956	13.01	chr5	N/A	3	24.43
LOC643355	13.01	chr1	1p13.2	21	58.35
UNC13D	13.01	chr17	17q25.1	36	91.94
Hs.536399	13.01	chr5	N/A	5	80.26
Hs.583649	13.01	chr8	N/A	3	79.09
FRMD6-AS2	13.00	chr14	N/A	3	68.42
LUZP2	13.00	chr11	11p14.3	25	120.50
TSPY1	13.00	chrY	Yp11.2	48	131.60
Hs.140466	13.00	chr1	N/A	3	71.59
HTR1A	13.00	chr5	5q11.2-q13	21	65.37
LRRC29	13.00	chr16	16q22.1	24	93.34
FOXN3-AS2	13.00	chr14	14q32.11	18	121.14
Hs.664016	13.00	chr12	N/A	7	72.35
LOC100507594	13.00	chr12	N/A	1	0.00
Hs.542473	13.00	chr20	N/A	3	46.26
Hs.732314	13.00	chr3	N/A	13	147.91
Hs.712279	13.00	chr10	N/A	7	48.15
ZNF619	13.00	chr3	3p22.1	19	66.87
Hs.121320	12.99	chr18	N/A	3	13.09
Hs.603160	12.99	chr8	N/A	7	61.49
CPA1	12.99	chr7	7q32	30	82.88
FLJ30403	12.99	chr19	19q13.41	10	32.03
Hs.334190	12.99	chr21	N/A	3	37.58
Hs.136401	12.99	chr17	N/A	10	85.43
SSX9	12.99	chrX	Xp11.23	16	116.41
Hs.544673	12.99	chr6	N/A	3	68.87
Hs.736035	12.99	chr14	N/A	10	32.97
Hs.664494	12.99	chr5	N/A	7	54.90
ZDHHC11B	12.99	chr5	5p15.33	3	24.15
Hs.160973	12.99	chr6	N/A	3	47.75
Hs.552247	12.99	chr2	N/A	7	94.01
HSP90AA2	12.99	chr11	11p14.1	8	81.88
Hs.562571	12.99	chr15	N/A	3	10.26
TRAF3IP3	12.99	chr1	1q32	58	140.08
CXorf21	12.99	chrX	Xp21.2	24	112.91
Hs.90221	12.98	chr21	N/A	23	121.12
Hs.602731	12.98	chr17	N/A	2	28.31
Hs.538178	12.98	chr1	N/A	3	46.34
Hs.544563	12.98	chr6	N/A	3	19.28
Hs.587037	12.98	chr2	N/A	13	60.66
OR5M10	12.98	chr11	11q12.1	6	37.56
Hs.679076	12.98	chr5	N/A	6	59.45
LPA	12.98	chr6	6q26	45	70.14
MEPE	12.98	chr4	4q21.1	21	253.94
LOC100508120	12.98	chr6	N/A	44	58.07
NPHS1	12.98	chr19	19q13.1	32	51.91
Hs.565628	12.98	chr20	N/A	3	53.00
Hs.599494	12.97	chr22	N/A	7	93.23
Hs.572223	12.97	chr12	N/A	3	12.50
Hs.434799	12.97	chr4	N/A	4	92.48

Hs.551909	12.97	chr12	N/A	1	0.00
PKD1L1	12.97	chr7	7p12.3	49	135.13
Hs.666675	12.97	chr1	N/A	7	49.89
PYY	12.97	chr17	17q21.1	30	65.51
Hs.565300	12.97	chr19	N/A	3	61.51
Hs.60556	12.97	chr3	N/A	9	90.87
Hs.130074	12.97	chr9	N/A	5	112.56
Hs.431926	12.97	chr4	N/A	6	34.55
KPTN	12.97	chr19	19q13.32	31	61.94
TBC1D8B	12.97	chrX	Xq22.3	61	71.01
ARHGAP6	12.97	chrX	Xp22.3	57	128.81
MGC16025	12.96	chr2	2q37.3	16	52.47
Hs.540146	12.96	chr15	N/A	3	58.74
NUP210L	12.96	chr1	1q21.3	31	119.09
Hs.116424	12.96	chr16	N/A	1	0.00
Hs.596835	12.96	chr3	N/A	7	109.35
ZNF485	12.96	chr10	10q11.21	26	56.28
Hs.574269	12.96	chr15	N/A	3	51.86
IFNA21	12.96	chr9	9p22	23	83.14
Hs.571518	12.96	chr8	N/A	2	94.55
MLNR	12.96	chr13	13q14-q21	21	70.15
HTR3C	12.96	chr3	3q27.1	14	70.72
Hs.615502	12.96	chr3	N/A	3	73.79
CD207	12.96	chr2	2p13	21	93.52
Hs.545256	12.95	chr8	N/A	3	55.57
Hs.200038	12.95	chr14	N/A	3	51.98
Hs.563743	12.95	chr1	N/A	3	35.61
Hs.666901	12.95	chr6	N/A	15	75.95
LMX1A	12.95	chr1	1q24.1	28	68.78
Hs.572307	12.95	chr15	N/A	7	18.73
SOAT2	12.95	chr12	12q13.13	26	74.79
Hs.370999	12.95	chrX	N/A	4	77.57
Hs.196119	12.95	chr4	N/A	1	0.00
Hs.580040	12.95	chr2	N/A	3	72.89
Hs.735727	12.95	chr5	N/A	1	0.00
AMZ1	12.94	chr7	7p22.3	27	139.31
Hs.656839	12.94	chr7	N/A	25	194.20
TCTE1	12.94	chr6	6p21.1	26	70.94
Hs.531564	12.94	chr16	N/A	9	119.52
PTCHD2	12.94	chr1	1p36.22	24	90.61
LCN1	12.94	chr9	9q34	23	83.66
MCPH1	12.94	chr8	8p23.1	66	110.59
Hs.674443	12.94	chr2	N/A	1	0.00
Hs.640508	12.94	chr12	N/A	3	36.98
Hs.133181	12.94	chr3	N/A	6	39.91
OR8H1	12.94	chr11	11q12.1	16	63.11
Hs.741243	12.94	chr13	N/A	6	149.25
Hs.544656	12.94	chr6	N/A	10	78.43
Hs.613057	12.94	chrX	N/A	13	89.58
Hs.658658	12.93	chr3	N/A	8	63.06
Hs.563041	12.93	chr21	N/A	3	46.85
SPRR2A	12.93	chr1	1q21-q22	8	49.61
Hs.648446	12.93	chr14	N/A	7	86.59
JAKMIP1	12.93	chr4	4p16.1	39	130.89
FLJ22447	12.93	chr14	14q23.1	9	90.21
Hs.539605	12.93	chr13	N/A	3	25.19
Hs.564643	12.93	chr14	N/A	3	43.82
Hs.555240	12.93	chr8	N/A	7	99.79
VN1R5	12.93	chr1	1q44	17	65.45
Hs.603726	12.93	chr6	N/A	2	24.69
Hs.540427	12.93	chr16	N/A	3	39.90
Hs.668351	12.92	chr18	N/A	1	0.00
FAM196A	12.92	chr10	10q26.2	17	152.02
Hs.656396	12.92	chr22	N/A	8	86.48
Hs.28456	12.92	chr1	N/A	11	51.78
Hs.666362	12.92	chr6	N/A	7	71.62

Hs.658301	12.92	chr10	N/A	7	147.01
GPR84	12.92	chr12	12q13.13	17	87.62
Hs.541754	12.92	chr2	N/A	3	36.01
Hs.732527	12.92	chr6	N/A	7	71.16
TFAP2A	12.92	chr6	6p24	82	107.90
Hs.408044	12.92	chr12	N/A	3	52.96
Hs.552266	12.92	chr5	N/A	3	32.05
Hs.123430	12.92	chr4	N/A	3	33.44
Hs.125487	12.92	chr5	N/A	2	98.08
Hs.545600	12.92	chr9	N/A	3	19.23
Hs.29733	12.92	chr7	N/A	3	21.11
TRIM59	12.91	chr3	3q25.33	37	104.36
Hs.571139	12.91	chr6	N/A	3	49.95
Hs.667654	12.91	chr6	N/A	2	20.96
Hs.150084	12.91	chr16	N/A	7	97.75
Hs.213810	12.91	chr15	N/A	3	88.60
LOC100128398	12.91	chr19	19q13.43	12	108.60
IQCF1	12.91	chr3	3p21.2	30	93.32
Hs.653972	12.91	chr13	N/A	4	50.32
Hs.600122	12.91	chr7	N/A	7	41.93
Hs.127794	12.91	chr1	N/A	8	40.39
C10orf126	12.91	chr10	10p12.1	3	65.35
Hs.733322	12.91	chr17	N/A	12	83.74
Hs.661332	12.91	chr5	N/A	7	75.06
Hs.709853	12.91	chr2	N/A	3	12.40
Hs.619407	12.91	chr15	N/A	3	75.57
EPHA7	12.91	chr6	6q16.1	48	228.17
PNLDC1	12.91	chr6	6q25.3	21	146.92
Hs.709551	12.91	chr14	N/A	7	95.31
IKZF3	12.90	chr17	17q21	62	107.64
Hs.710868	12.90	chr11	N/A	10	30.52
POTEA	12.90	chr8	8p11.1	10	64.40
Hs.544015	12.90	chr5	N/A	3	25.71
FABP2	12.90	chr4	4q28-q31	23	113.01
Hs.542758	12.90	chr22	N/A	10	50.18
Hs.561593	12.90	chr6	N/A	3	48.65
Hs.666407	12.90	chr7	N/A	7	73.63
CLRN1	12.90	chr3	3q25	37	129.19
RAB27B	12.90	chr18	18q21.2	60	126.05
Hs.429450	12.90	chr3	N/A	3	21.67
TUBB1	12.90	chr20	20q13.32	46	216.72
Hs.657748	12.90	chr1	N/A	8	65.94
Hs.543852	12.90	chr5	N/A	3	106.33
Hs.130140	12.90	chr15	N/A	2	3.24
Hs.656351	12.90	chr18	N/A	18	70.58
TTBK2	12.90	chr15	15q15.2	39	98.28
HNF4A	12.90	chr20	20q13.12	97	134.96
XAGE3	12.89	chrX	Xp11.22	30	125.76
PRSS27	12.89	chr16	16p13.3	17	101.55
Hs.657828	12.89	chr6	N/A	7	88.92
Hs.223741	12.89	chr2	N/A	3	8.47
LOC100506175	12.89	chr20	N/A	1	0.00
Hs.640173	12.89	chr9	N/A	10	31.60
Hs.737877	12.89	chr20	N/A	1	0.00
KLK10	12.89	chr19	19q13	45	129.89
Hs.661696	12.89	chr1	N/A	1	0.00
Hs.568200	12.89	chr16	N/A	7	169.40
MF12-AS1	12.89	chr3	N/A	13	72.13
Hs.565151	12.89	chr18	N/A	3	93.94
LOC646903	12.89	chr3	3q25.1	13	84.46
C2orf16	12.89	chr2	2p23.3	25	120.39
Hs.535847	12.89	chr6	N/A	9	79.35
Hs.662315	12.88	chr8	N/A	7	68.80
Hs.733887	12.88	chr17	N/A	8	48.82
Hs.97129	12.88	chr5	N/A	1	0.00
LINC00473	12.88	chr6	6q27	1	0.00

Hs.588355	12.88	chr7	N/A	8	22.15
Hs.738421	12.88	chr15	N/A	3	45.59
GAPT	12.88	chr5	5q11.2	36	77.33
PIH1D3	12.88	chrX	Xq22.3	26	217.17
PLA2G7	12.88	chr6	6p21.2-p12	30	67.58
Hs.564755	12.88	chr15	N/A	3	74.82
Hs.667322	12.87	chr12	N/A	1	0.00
Hs.720205	12.87	chr19	N/A	4	75.52
C10orf95	12.87	chr10	10q24.32	21	75.19
Hs.156371	12.87	chr2	N/A	7	78.83
Hs.144151	12.87	chr10	N/A	8	78.88
PITX2	12.87	chr4	4q25	47	104.96
Hs.621882	12.87	chr13	N/A	3	59.77
Hs.500245	12.87	chr10	N/A	3	34.37
BARX2	12.87	chr11	11q25	23	76.38
Hs.545831	12.87	chr9	N/A	3	23.55
Hs.662478	12.87	chr20	N/A	7	69.88
Hs.565395	12.87	chr2	N/A	3	60.45
Hs.380362	12.87	chr10	N/A	4	76.69
Hs.576630	12.87	chr10	N/A	3	59.73
Hs.259567	12.87	chr5	N/A	3	68.84
Hs.444291	12.87	chr2	N/A	15	74.01
Hs.127094	12.87	chr1	N/A	2	98.03
Hs.738472	12.87	chrX	N/A	3	71.19
Hs.519855	12.87	chr6	N/A	1	0.00
Hs.444092	12.87	chr14	N/A	3	21.71
C8orf48	12.87	chr8	8p22	19	62.43
LOC645967	12.87	chr6	6q25.1	3	33.53
EPS8L2	12.87	chr11	11p15.5	36	67.14
ADH7	12.86	chr4	4q23-q24	25	113.94
LOC100996537	12.86	chr2	N/A	8	53.38
Hs.585496	12.86	chr11	N/A	8	60.16
Hs.665281	12.86	chr1	N/A	8	68.14
MMP13	12.86	chr11	11q22.3	30	161.96
Hs.622013	12.86	chr15	N/A	7	66.45
Hs.125914	12.86	chr8	N/A	5	68.43
Hs.585087	12.86	chr12	N/A	8	71.34
Hs.48803	12.86	chr11	N/A	7	46.68
Hs.558117	12.86	chr17	N/A	3	104.62
Hs.664726	12.86	chr20	N/A	14	60.89
Hs.580662	12.86	chr20	N/A	3	19.37
IL36B	12.85	chr2	2q14	30	88.84
Hs.678603	12.85	chr1	N/A	1	0.00
MAGEA6	12.85	chrX	Xq28	124	55.98
LOC100129648	12.85	chr22	22q13.2	25	71.37
ERC2	12.85	chr3	3p14.3	43	136.26
Hs.159293	12.85	chr1	N/A	7	72.70
MEGF11	12.85	chr15	15q22.31	42	78.09
Hs.572088	12.85	chr11	N/A	3	43.30
Hs.667539	12.85	chr15	N/A	7	47.33
PYDC1	12.85	chr16	16p11.2	26	96.70
LOC100506737	12.85	chr22	N/A	13	71.61
RBM44	12.85	chr2	2q37.3	6	67.74
TMEM155	12.85	chr4	4q27	36	95.09
Hs.149514	12.85	chr3	N/A	3	11.99
Hs.542946	12.85	chr3	N/A	2	33.27
DYNC2H1	12.85	chr11	11q21-q22.1	52	125.36
Hs.560970	12.85	chr20	N/A	3	49.26
Hs.577834	12.84	chr13	N/A	3	107.76
CCL27	12.84	chr9	9p13	23	93.34
PRG3	12.84	chr11	11q12	21	44.08
MYO3B	12.84	chr2	2q31.1-q31.2	34	140.92
Hs.668224	12.84	chr16	N/A	2	81.38
Hs.656387	12.84	chr1	N/A	7	148.81
LOC100506059	12.84	chr15	N/A	10	135.46
Hs.148383	12.84	chr19	N/A	7	104.74

ATP2A3	12.84	chr17	17p13.3	58	108.29
Hs.583671	12.84	chr8	N/A	3	46.51
Hs.575019	12.84	chr3	N/A	3	68.72
Hs.595841	12.84	chr17	N/A	1	0.00
KCTD8	12.84	chr4	4p13	19	107.60
Hs.149695	12.84	chr8	N/A	3	23.97
SLURP1	12.84	chr8	8q24.3	30	149.47
Hs.609785	12.84	chr12	N/A	2	95.01
GRID2	12.84	chr4	4q22	45	83.95
TRPV3	12.84	chr17	17p13.2	39	117.74
Hs.633036	12.84	chr2	N/A	10	45.34
Hs.203201	12.84	chr6	N/A	3	90.89
Hs.658372	12.84	chr19	N/A	10	95.21
NPY5R	12.84	chr4	4q31-q32	35	124.89
Hs.551940	12.83	chr14	N/A	4	60.61
Hs.596922	12.83	chr9	N/A	3	87.68
Hs.735257	12.83	chr7	N/A	6	48.68
Hs.542884	12.83	chr3	N/A	3	40.14
Hs.580820	12.83	chr20	N/A	3	79.99
GALR2	12.83	chr17	17q25.3	23	76.26
Hs.634134	12.83	chr5	N/A	3	111.40
Hs.568352	12.83	chr10	N/A	3	79.11
Hs.208554	12.83	chr5	N/A	3	55.99
LOC100130815	12.83	chr14	14q32.2	14	60.65
Hs.580154	12.83	chr2	N/A	3	90.31
Hs.662698	12.83	chr6	N/A	8	38.08
Hs.738208	12.83	chr8	N/A	3	56.03
Hs.564907	12.82	chr16	N/A	3	41.46
Hs.646953	12.82	chr5	N/A	19	41.82
IFNA10	12.82	chr9	9p22	23	81.87
SNTB1	12.82	chr8	8q23-q24	83	128.12
Hs.672510	12.82	chr6	N/A	4	36.57
Hs.537946	12.82	chr1	N/A	3	83.84
AK9	12.82	chr6	6q21	71	86.82
Hs.599634	12.82	chr11	N/A	3	12.70
Hs.445847	12.82	chr15	N/A	10	49.57
Hs.112715	12.82	chr4	N/A	7	43.61
Hs.334192	12.82	chr21	N/A	3	20.26
Hs.601535	12.82	chr3	N/A	7	103.12
Hs.543820	12.81	chr5	N/A	3	37.86
FBF1	12.81	chr17	17q25.1	37	66.78
Hs.633779	12.81	chr17	N/A	5	65.58
LOC152578	12.81	chr4	4q12	4	84.69
EFCAB5	12.81	chr17	17q11.2	24	167.74
Hs.434324	12.81	chr9	N/A	4	123.68
GABRR3	12.81	chr3	3q11.2	6	144.62
Hs.732495	12.81	chr16	N/A	7	85.67
Hs.604172	12.81	chr4	N/A	2	84.19
Hs.612186	12.81	chr2	N/A	1	0.00
Hs.434940	12.81	chr4	N/A	3	58.11
MIA	12.81	chr19	19q13.2	18	79.00
Hs.145761	12.80	chr21	N/A	4	83.77
MACROD2-AS1	12.80	chr20	20p12.1	8	51.42
Hs.545705	12.80	chr9	N/A	3	57.10
OR4N5	12.80	chr14	14q11.2	3	34.38
ERVW-1	12.80	chr7	7q21.2	30	116.01
PEX11G	12.80	chr19	19p13.2	26	91.31
Hs.538116	12.80	chr1	N/A	5	57.71
CA10	12.80	chr17	17q21.33	38	87.30
CCDC7	12.80	chr10	10p11.22	65	141.51
Hs.658704	12.80	chr11	N/A	7	70.95
Hs.128287	12.80	chr18	N/A	8	63.79
Hs.660999	12.80	chr19	N/A	2	68.89
Hs.566171	12.80	chr4	N/A	3	56.00
Hs.708728	12.80	chr14	N/A	10	14.96
DLGAP1	12.79	chr18	18p11.31	61	125.74

Hs.170719	12.79	chr9	N/A	4	75.65
LELP1	12.79	chr1	1q21.3	21	177.16
Hs.158720	12.79	chr14	N/A	3	31.36
Hs.170946	12.79	chr16	N/A	5	83.40
SLFN12L	12.79	chr17	17q12	3	46.23
TCF24	12.79	chr8	8q13.1	4	35.77
STIM2	12.79	chr4	4p15.2	37	75.64
Hs.578916	12.79	chr16	N/A	3	58.78
LOC100505515	12.79	chr20	N/A	18	125.37
C4orf17	12.79	chr4	4q23	24	124.54
Hs.34068	12.79	chr11	N/A	3	68.27
Hs.667627	12.79	chr17	N/A	3	85.97
Hs.570467	12.79	chr22	N/A	3	54.14
C8orf31	12.79	chr8	8q24.3	24	47.49
Hs.544667	12.79	chr6	N/A	7	52.48
TMEM252	12.79	chr9	9q21.11	14	75.53
TTC22	12.79	chr1	1p32.3	50	90.80
Hs.572130	12.79	chr11	N/A	3	11.84
GUCA2A	12.79	chr1	1p35-p34	23	66.91
Hs.734767	12.78	chr13	N/A	2	103.32
LOC285084	12.78	chr2	2q31.1	4	75.59
Hs.664320	12.78	chrX	N/A	7	34.30
Hs.147090	12.78	chr4	N/A	6	55.89
Hs.568626	12.78	chr1	N/A	3	83.01
Hs.662833	12.78	chr19	N/A	7	66.56
HDGFL1	12.78	chr6	6p22.3	18	41.46
Hs.631643	12.78	chr19	N/A	3	26.66
Hs.479944	12.78	chr12	N/A	3	79.76
Hs.491869	12.78	chr8	N/A	7	64.89
Hs.595814	12.78	chr19	N/A	3	51.33
Hs.617549	12.78	chr3	N/A	3	91.31
Hs.511686	12.77	chr15	N/A	18	42.27
LOC339524	12.77	chr1	1p22.3	14	78.48
Hs.745143	12.77	chr3	N/A	3	27.99
Hs.547760	12.77	chr7	N/A	3	82.69
Hs.542210	12.77	chr2	N/A	3	91.39
MEIS3	12.77	chr19	19q13.32	31	72.58
Hs.618601	12.77	chr8	N/A	3	103.14
Hs.585812	12.77	chr17	N/A	4	42.38
C20orf57	12.77	chr20	20q11.21	6	40.76
Hs.667181	12.77	chr15	N/A	2	35.92
Hs.664125	12.77	chr9	N/A	8	86.64
Hs.662939	12.77	chr13	N/A	7	78.87
Hs.671884	12.77	chr15	N/A	1	0.00
Hs.724055	12.77	chr2	N/A	4	99.65
KNTC1	12.77	chr12	12q24.31	120	95.13
NLRP3	12.76	chr1	1q44	39	88.19
Hs.447814	12.76	chrX	N/A	12	65.28
SLC6A11	12.76	chr3	3p25.3	24	159.21
Hs.496096	12.76	chrX	N/A	8	19.48
PCDH11X	12.76	chrX	Xq21.3	60	78.89
Hs.538807	12.76	chr11	N/A	3	33.63
Hs.334376	12.76	chr13	N/A	3	41.65
STIL	12.76	chr1	1p32	30	93.21
LOC401176	12.76	chr5	5p15.1	18	41.44
HAS3	12.76	chr16	16q22.1	41	108.09
Hs.656505	12.76	chr8	N/A	8	151.60
Hs.555549	12.76	chr2	N/A	3	53.37
EMR2	12.76	chr19	19p13.1	23	90.00
Hs.582742	12.76	chr6	N/A	3	14.49
HIST1H3H	12.76	chr6	6p22.1	21	58.63
NAT8B	12.76	chr2	2p13.1	26	47.67
Hs.562869	12.76	chr2	N/A	3	32.20
CCDC153	12.76	chr11	11q23.3	10	172.42
SELV	12.76	chr19	19q13.2	16	178.20
Hs.650183	12.76	chr8	N/A	3	24.40

CCDC39	12.76	chr3	3q26.33	18	174.63
Hs.661731	12.76	chr1	N/A	1	0.00
Hs.560522	12.76	chr17	N/A	3	25.65
Hs.567130	12.76	chrX	N/A	3	52.89
Hs.131775	12.76	chr1	N/A	1	0.00
LINC00479	12.75	chr21	21q22.3	19	151.44
Hs.565369	12.75	chr2	N/A	3	37.45
LOC100507564	12.75	chr1	N/A	1	0.00
FCER2	12.75	chr19	19p13.3	37	97.98
Hs.658018	12.75	chr8	N/A	8	96.75
KCNU1	12.75	chr8	8p11.23	6	53.62
GDPD2	12.75	chrX	Xq13.1	28	141.72
Hs.552770	12.75	chr5	N/A	4	65.99
Hs.658740	12.75	chr6	N/A	8	57.97
Hs.461807	12.75	chr17	N/A	3	80.07
PREX2	12.75	chr8	8q13.2	35	82.92
LRRTM4	12.75	chr2	2p12	33	97.91
Hs.633154	12.75	chr17	N/A	10	58.10
EPPIN	12.75	chr20	20q13.12	54	105.88
Hs.603813	12.74	chr11	N/A	7	25.79
ULBP1	12.74	chr6	6q25	21	110.37
FAM182A	12.74	chr20	20p11.1	31	62.59
Hs.98077	12.74	chr18	N/A	12	93.52
PMAIP1	12.74	chr18	18q21.32	128	185.79
Hs.323878	12.74	chr2	N/A	1	0.00
CCDC129	12.74	chr7	7p14.3	7	81.34
Hs.596272	12.74	chr1	N/A	18	94.63
Hs.554647	12.74	chr2	N/A	3	4.96
Hs.542107	12.74	chr2	N/A	3	41.83
Hs.554052	12.74	chr10	N/A	25	52.70
TMEM102	12.74	chr17	17p13.1	29	51.88
Hs.664827	12.74	chr19	N/A	7	67.76
CD300E	12.74	chr17	17q25.1	16	48.53
Hs.569542	12.74	chr16	N/A	3	65.01
Hs.386254	12.74	chr8	N/A	2	68.62
Hs.537859	12.73	chr1	N/A	3	35.67
Hs.368984	12.73	chr7	N/A	3	26.16
Hs.544104	12.73	chr5	N/A	3	90.99
Hs.660926	12.73	chr7	N/A	7	75.64
C2orf61	12.73	chr2	2p21	24	85.74
PAGE4	12.73	chrX	Xp11.23	37	90.00
Hs.485241	12.73	chr6	N/A	4	27.17
Hs.565941	12.73	chr3	N/A	3	46.74
PUS7L	12.73	chr12	12q12	39	87.83
LOC284600	12.73	chr1	1p36.33	11	27.78
Hs.623466	12.73	chr15	N/A	3	70.21
Hs.566927	12.73	chr8	N/A	3	60.68
Hs.657504	12.73	chr16	N/A	15	69.50
Hs.649277	12.72	chr5	N/A	7	82.22
Hs.583078	12.72	chr7	N/A	3	20.14
CCDC138	12.72	chr2	2q12.3	31	124.73
ZNF221	12.72	chr19	19q13.2	22	174.72
Hs.102890	12.72	chr13	N/A	7	39.64
Hs.540839	12.72	chr17	N/A	10	55.12
Hs.539080	12.72	chr11	N/A	3	24.88
DPYS	12.72	chr8	8q22	35	101.75
Hs.580972	12.72	chr22	N/A	3	18.23
Hs.544444	12.72	chr6	N/A	3	21.97
Hs.550355	12.72	chr18	N/A	3	85.38
Hs.436323	12.72	chr9	N/A	3	61.92
Hs.523127	12.72	chr10	N/A	3	83.30
TPSD1	12.72	chr16	16p13.3	21	72.86
ZNF785	12.72	chr16	16p11.2	28	79.35
Hs.564597	12.72	chr13	N/A	3	63.40
Hs.386102	12.71	chr7	N/A	6	78.89
Hs.732636	12.71	chr8	N/A	7	84.48

Hs.17519	12.71	chr4	N/A	18	111.76
LOC100506882	12.71	chr17	N/A	8	165.60
Hs.59319	12.71	chr5	N/A	7	65.18
Hs.541723	12.71	chr2	N/A	3	24.07
Hs.496631	12.71	chrX	N/A	23	61.46
Hs.710748	12.71	chr2	N/A	2	97.12
Hs.653646	12.71	chr13	N/A	5	41.44
CHAD	12.70	chr17	17q21.33	30	98.72
B3GALT1	12.70	chr2	2q24.3	22	96.70
GC	12.70	chr4	4q12-q13	37	95.10
Hs.334221	12.70	chr21	N/A	3	69.26
Hs.570965	12.70	chr5	N/A	3	63.28
Hs.435212	12.70	chr2	N/A	3	37.23
Hs.731809	12.70	chr4	N/A	17	47.89
Hs.130439	12.70	chr4	N/A	7	63.44
FLJ46010	12.70	chr5	5q12.3	3	100.45
Hs.670271	12.70	chr12	N/A	1	0.00
LOC729291	12.70	chr12	12p11.22	9	73.52
Hs.737953	12.69	chrX	N/A	1	0.00
Hs.543731	12.69	chr4	N/A	3	81.61
Hs.436030	12.69	chr4	N/A	3	58.04
Hs.587858	12.69	chr16	N/A	3	46.82
Hs.543958	12.69	chr5	N/A	10	62.60
Hs.686993	12.69	chr19	N/A	1	0.00
Hs.596687	12.69	chr2	N/A	7	85.50
Hs.639075	12.69	chr9	N/A	3	69.16
Hs.667300	12.69	chr1	N/A	16	69.46
SCGB1D2	12.69	chr11	11q13	23	73.03
Hs.369677	12.69	chr9	N/A	7	51.12
PRSS16	12.69	chr6	6p21	37	76.97
Hs.662796	12.69	chr1	N/A	8	56.09
Hs.580927	12.69	chr21	N/A	3	82.08
ATXN3L	12.69	chrX	Xp22.2	25	119.63
Hs.603395	12.69	chr19	N/A	7	103.27
CPB2	12.69	chr13	13q14.11	61	89.87
C16orf92	12.69	chr16	16p11.2	14	50.86
FAAH2	12.69	chrX	Xp11.21	33	117.61
VIM-AS1	12.69	chr10	N/A	17	81.84
LOC100505985	12.68	chr6	N/A	4	30.26
GOLGA8R	12.68	chr15	15q13.2	10	16.99
HSD3B1	12.68	chr1	1p13.1	53	103.54
BRWD3	12.68	chrX	Xq21.1	53	86.69
ZNF571	12.68	chr19	19q13.12	24	55.25
Hs.128041	12.68	chr15	N/A	7	58.54
IFITM10	12.68	chr11	11p15.5	12	89.61
Hs.667887	12.68	chr1	N/A	7	52.07
LOC100506274	12.68	chr2	2p25	12	96.07
Hs.544814	12.68	chr7	N/A	3	48.02
Hs.666874	12.67	chr1	N/A	2	40.08
Hs.190548	12.67	chr21	N/A	10	28.14
ADAMTS9-AS2	12.67	chr3	N/A	13	36.69
C4orf6	12.67	chr4	4p16.2	25	51.56
Hs.543445	12.67	chr4	N/A	3	6.78
Hs.542604	12.67	chr21	N/A	7	58.01
Hs.540874	12.67	chr17	N/A	3	5.84
LOC100129884	12.67	chr13	13q22.1	25	109.98
Hs.564554	12.67	chr13	N/A	3	53.61
Hs.540962	12.67	chr18	N/A	3	94.85
LOC100506865	12.67	chr3	N/A	15	204.00
Hs.559846	12.67	chr10	N/A	1	0.00
Hs.655896	12.67	chr5	N/A	7	85.28
Hs.667905	12.67	chr15	N/A	1	0.00
Hs.656393	12.66	chr17	N/A	18	28.09
DCLRE1B	12.66	chr1	1p13.2	29	58.05
Hs.542634	12.66	chr21	N/A	6	79.81
OR10G9	12.66	chr11	11q24.1	3	12.54

Hs.640507	12.66	chr3	N/A	3	69.87
Hs.523194	12.66	chr10	N/A	7	45.35
Hs.133191	12.66	chr13	N/A	5	85.96
LOC339807	12.66	chr2	2p14	1	0.00
DMRTA2	12.66	chr1	1p32.3	6	130.56
Hs.540668	12.66	chr16	N/A	3	23.55
Hs.666422	12.66	chr11	N/A	3	78.52
Hs.560817	12.66	chr2	N/A	3	56.24
Hs.162426	12.66	chr1	N/A	3	78.77
Hs.578473	12.66	chr15	N/A	3	56.92
Hs.161330	12.66	chr10	N/A	3	27.11
TAS2R40	12.66	chr7	7q34	17	60.76
Hs.667182	12.65	chr3	N/A	2	56.25
Hs.157882	12.65	chr7	N/A	14	97.60
Hs.657181	12.65	chr6	N/A	7	92.69
TBC1D21	12.65	chr15	15q24.1	24	182.81
BTLA	12.65	chr3	3q13.2	34	100.84
Hs.544178	12.65	chr5	N/A	3	17.70
Hs.661939	12.65	chr19	N/A	1	0.00
Hs.664608	12.65	chr8	N/A	7	95.70
Hs.602228	12.65	chr15	N/A	7	51.48
TREM1	12.65	chr6	6p21.1	28	119.63
Hs.535227	12.65	chr1	N/A	21	232.07
MYO15A	12.65	chr17	17p11.2	40	112.34
Hs.519026	12.65	chr4	N/A	13	68.09
Hs.617624	12.65	chr7	N/A	3	84.52
Hs.445842	12.64	chr1	N/A	3	76.12
Hs.445849	12.64	chr11	N/A	2	54.60
Hs.658461	12.64	chr10	N/A	8	104.36
Hs.582810	12.64	chr6	N/A	3	108.17
Hs.446044	12.64	chr5	N/A	1	0.00
Hs.563049	12.64	chr21	N/A	3	14.90
Hs.668358	12.64	chr15	N/A	7	54.95
Hs.537870	12.64	chr1	N/A	3	67.28
Hs.596152	12.64	chr6	N/A	7	43.01
Hs.98376	12.64	chr4	N/A	3	43.79
Hs.545417	12.64	chr8	N/A	3	74.75
C9orf53	12.64	chr9	9p21.3	18	50.58
Hs.658075	12.63	chr4	N/A	7	83.49
Hs.539423	12.63	chr12	N/A	3	31.93
Hs.543990	12.63	chr5	N/A	3	51.54
Hs.664763	12.63	chr9	N/A	5	40.14
TAS2R7	12.63	chr12	12p13	21	69.42
DEFB106B	12.63	chr8	8p23.1	31	94.19
Hs.593807	12.63	chr8	N/A	1	0.00
Hs.666269	12.63	chr18	N/A	10	77.97
Hs.292754	12.63	chr2	N/A	7	100.35
Hs.545141	12.63	chr7	N/A	3	85.07
Hs.597179	12.62	chr14	N/A	7	55.63
Hs.513323	12.62	chr1	N/A	10	41.23
LOC100506797	12.62	chr2	N/A	8	94.85
Hs.543853	12.62	chr5	N/A	3	62.67
Hs.734889	12.62	chr14	N/A	11	143.00
Hs.155764	12.62	chr10	N/A	1	0.00
Hs.538409	12.62	chr10	N/A	3	69.94
Hs.26651	12.62	chr5	N/A	3	45.54
Hs.667072	12.62	chr3	N/A	8	83.77
Hs.207059	12.61	chr11	N/A	3	1.19
Hs.539158	12.61	chr12	N/A	3	63.67
CCDC89	12.61	chr11	11q14.1	19	96.22
Hs.72981	12.61	chr2	N/A	8	87.31
Hs.732134	12.61	chr7	N/A	14	47.80
FSTL4	12.61	chr5	5q31.1	55	122.74
Hs.538654	12.61	chr10	N/A	3	23.92
Hs.253460	12.61	chr17	N/A	3	35.41
Hs.542756	12.61	chr22	N/A	3	54.47

ZDHC15	12.61	chrX	Xq13.3	29	91.05
Hs.132541	12.61	chr10	N/A	3	38.99
RAB39B	12.61	chrX	Xq28	49	238.64
Hs.660191	12.61	chr15	N/A	7	108.69
DDX11-AS1	12.60	chr12	N/A	7	72.63
Hs.660065	12.60	chr4	N/A	1	0.00
LOC401242	12.60	chr6	6p22.1	3	38.35
Hs.566534	12.60	chr6	N/A	3	6.36
Hs.543982	12.60	chr5	N/A	3	74.76
KCNV2	12.60	chr9	9p24.2	29	75.12
GHRHR	12.60	chr7	7p14	53	84.10
Hs.734143	12.60	chr7	N/A	7	63.82
ZNF365	12.60	chr10	10q21.2	40	164.20
Hs.591107	12.60	chr15	N/A	8	85.65
ALOX12B	12.60	chr17	17p13.1	23	53.28
Hs.557839	12.59	chr1	N/A	3	3.34
Hs.581567	12.59	chr3	N/A	3	38.10
Hs.571733	12.59	chrX	N/A	3	53.58
Hs.484295	12.59	chr5	N/A	11	84.68
Hs.662472	12.59	chr1	N/A	7	46.03
PRICKLE2-AS3	12.59	chr3	N/A	1	0.00
Hs.165387	12.59	chr6	N/A	7	85.89
Hs.441196	12.59	chr2	N/A	3	49.84
Hs.677113	12.59	chr10	N/A	5	40.63
Hs.156798	12.59	chr3	N/A	7	113.03
Hs.602711	12.59	chr5	N/A	7	52.26
CYSLTR1	12.59	chrX	Xq13.2-q21.1	32	111.01
Hs.132005	12.59	chr2	N/A	7	111.09
Hs.582025	12.59	chr4	N/A	3	31.69
Hs.666839	12.59	chr3	N/A	10	32.46
Hs.538099	12.59	chr1	N/A	3	70.35
CDC6	12.58	chr17	17q21.3	37	95.64
RIMBP3	12.58	chr22	22q11.21	27	106.66
Hs.661184	12.58	chr6	N/A	7	44.07
Hs.601758	12.58	chr4	N/A	1	0.00
SLC26A8	12.58	chr6	6p21	35	152.73
Hs.262789	12.58	chr17	N/A	10	98.46
Hs.639883	12.58	chr2	N/A	3	5.85
LOC645195	12.58	chr1	1p31.3	17	53.02
Hs.578836	12.58	chr16	N/A	3	48.81
Hs.661232	12.58	chr19	N/A	7	63.58
C1QTNF9B	12.58	chr13	13q12.12	19	68.04
PTGER1	12.58	chr19	19p13.1	29	43.67
Hs.666552	12.58	chr1	N/A	7	54.35
Hs.560862	12.58	chr2	N/A	3	72.38
Hs.635035	12.58	chr21	N/A	14	76.82
Hs.659603	12.58	chr3	N/A	7	30.45
Hs.666699	12.58	chr12	N/A	3	66.27
MAGEA2B	12.58	chrX	Xq28	23	84.43
SORCS2	12.58	chr4	4p16.1	26	52.87
DNASE1L2	12.58	chr16	16p13.3	23	119.96
MLK7-AS1	12.57	chr2	2q31.1	1	0.00
ALDH1L1-AS2	12.57	chr3	3q21.3	14	117.78
Hs.541785	12.57	chr2	N/A	3	88.27
Hs.597000	12.57	chr19	N/A	7	53.90
CCDC102B	12.57	chr18	18q22.1	38	138.96
SLC17A4	12.57	chr6	6p22.2	30	141.55
Hs.729247	12.57	chr17	N/A	2	59.07
Hs.134520	12.56	chr14	N/A	8	76.33
Hs.734340	12.56	chr18	N/A	2	15.32
Hs.565374	12.56	chr2	N/A	3	21.47
Hs.602377	12.56	chr3	N/A	7	74.16
Hs.635574	12.56	chr20	N/A	1	0.00
Hs.537938	12.56	chr1	N/A	3	66.74
Hs.658971	12.56	chr11	N/A	7	115.39
Hs.537973	12.56	chr1	N/A	3	62.36

Hs.112954	12.56	chr12	N/A	10	40.50
Hs.442614	12.56	chr1	N/A	3	18.82
SLC22A11	12.56	chr11	11q13.1	45	95.74
STAC3	12.56	chr12	12q13.3	26	57.81
Hs.667461	12.56	chr11	N/A	8	81.71
Hs.403212	12.56	chr10	N/A	3	48.70
FOXN1	12.56	chr17	17q11-q12	22	70.42
LOC100129203	12.55	chr11	11q21	14	84.50
LINC00163	12.55	chr21	21q22.3	4	59.25
LOC100506392	12.55	chr1	1p13-p12	22	40.72
Hs.663282	12.55	chr2	N/A	8	82.47
Hs.539786	12.55	chr13	N/A	3	21.83
Hs.732303	12.55	chr9	N/A	20	75.39
Hs.541113	12.55	chr18	N/A	3	64.38
Hs.658105	12.55	chr1	N/A	1	0.00
Hs.303498	12.55	chr14	N/A	7	87.13
Hs.645046	12.55	chr16	N/A	3	85.83
AK5	12.55	chr1	1p31	49	104.41
PRSS41	12.55	chr16	16p13.3	6	81.72
Hs.651625	12.55	chr8	N/A	5	52.89
Hs.666253	12.55	chr3	N/A	7	57.05
Hs.656628	12.55	chr2	N/A	1	0.00
Hs.657030	12.55	chr6	N/A	7	25.70
Hs.559690	12.54	chr1	N/A	3	24.52
Hs.709921	12.54	chr5	N/A	8	66.07
IGF2BP3	12.54	chr7	7p11	45	84.26
Hs.552442	12.54	chr19	N/A	3	81.28
Hs.368755	12.54	chr12	N/A	1	0.00
C22orf26	12.54	chr22	22q13.31	21	89.69
LOC100506371	12.54	chr17	N/A	6	60.18
Hs.540993	12.54	chr18	N/A	3	54.94
Hs.656932	12.54	chr10	N/A	8	70.45
CCL17	12.54	chr16	16q13	23	108.60
PIH1D2	12.54	chr11	11q23.1	23	106.06
Hs.521338	12.54	chr7	N/A	11	59.51
Hs.540156	12.53	chr15	N/A	10	36.26
Hs.612942	12.53	chr8	N/A	1	0.00
PROCA1	12.53	chr17	17q11.2	18	41.67
Hs.637097	12.53	chr17	N/A	1	0.00
RSPH10B	12.53	chr7	7p22.1	29	97.67
Hs.596408	12.53	chr14	N/A	7	36.07
Hs.583989	12.53	chr9	N/A	3	50.14
TVP23A	12.53	chr16	16p13.13	1	0.00
Hs.656141	12.53	chr17	N/A	14	89.15
Hs.541150	12.53	chr18	N/A	3	75.42
ZNF582	12.52	chr19	19q13.43	26	132.71
Hs.598412	12.52	chr18	N/A	14	52.10
Hs.671895	12.52	chr18	N/A	2	86.23
LOC374890	12.52	chr19	19p12	11	55.14
Hs.545632	12.52	chr9	N/A	3	49.29
MOV10L1	12.52	chr22	22q13.33	44	135.91
Hs.507932	12.52	chr4	N/A	3	59.11
Hs.538234	12.52	chr1	N/A	5	84.22
MED12L	12.52	chr3	3q25.1	35	109.17
Hs.147132	12.51	chr6	N/A	3	46.38
Hs.543569	12.51	chr4	N/A	3	29.71
LOC401589	12.51	chrX	Xp11.22	9	62.17
Hs.667217	12.51	chr16	N/A	1	0.00
FBXO24	12.51	chr7	7q22	28	140.68
Hs.418279	12.51	chr21	N/A	17	55.98
Hs.132701	12.51	chr18	N/A	2	84.24
AICDA	12.51	chr12	12p13	28	94.47
FLJ41327	12.50	chr2	2q37.3	5	48.78
Hs.656739	12.50	chr3	N/A	8	93.16
LOC653739	12.50	chr7	7q33	1	0.00
Hs.659591	12.50	chr6	N/A	7	35.51

MIXL1	12.50	chr1	1q42.12	17	94.68
Hs.666392	12.50	chr20	N/A	7	68.98
Hs.131071	12.50	chr20	N/A	3	64.19
CHRM3	12.50	chr1	1q43	29	93.80
Hs.369462	12.50	chr4	N/A	12	131.55
Hs.500311	12.50	chr10	N/A	10	73.20
ZRANB3	12.50	chr2	2q21.3	62	121.85
C14orf79	12.50	chr14	14q32.33	49	88.07
Hs.131598	12.50	chr12	N/A	2	62.37
ZFP28	12.50	chr19	N/A	63	100.39
Hs.661896	12.50	chr21	N/A	5	40.49
CD72	12.49	chr9	9p13.3	23	106.78
ZNF703	12.49	chr8	8p11.23	21	110.72
AKR1CL1	12.49	chr10	10p15.1	6	70.56
Hs.544030	12.49	chr5	N/A	5	75.90
Hs.565663	12.49	chr20	N/A	3	73.33
Hs.733944	12.49	chr6	N/A	7	52.21
Hs.538215	12.49	chr1	N/A	3	25.85
Hs.540396	12.49	chr15	N/A	3	71.34
ARPP21	12.49	chr3	3p22.3	71	320.83
Hs.658031	12.49	chr9	N/A	15	84.03
LINC00642	12.49	chr14	14q32.12	10	96.77
OR8H2	12.49	chr11	11q12.1	11	107.65
Hs.538401	12.49	chr10	N/A	3	58.56
NKAIN3	12.49	chr8	8q12.3	17	128.94
Hs.181536	12.49	chr6	N/A	10	51.11
Hs.537807	12.48	chr1	N/A	3	79.65
Hs.655690	12.48	chr7	N/A	8	68.78
OR4F6	12.48	chr15	15q26.3	8	111.88
Hs.566910	12.48	chr8	N/A	3	23.56
Hs.231830	12.48	chr2	N/A	3	50.23
Hs.539972	12.48	chr14	N/A	3	61.97
Hs.662155	12.48	chr12	N/A	8	78.82
Hs.554608	12.48	chr17	N/A	3	79.47
Hs.543394	12.48	chr4	N/A	3	66.83
Hs.664734	12.48	chr22	N/A	7	118.85
GPR63	12.48	chr6	6q16.1-q16.3	24	49.86
LOC100128108	12.48	chr15	15q26.3	22	73.05
LOC283332	12.48	chr12	12q13.12	7	73.13
Hs.639767	12.48	chr7	N/A	3	34.98
Hs.650273	12.48	chr4	N/A	3	47.34
Hs.578887	12.48	chr16	N/A	3	55.38
CD200R1	12.47	chr3	3q13.2	34	193.52
PRKG2	12.47	chr4	4q13.1-q21.1	30	107.62
SKA3	12.47	chr13	13q12.11	26	62.71
RXFP2	12.47	chr13	13q13.1	23	79.44
GPR62	12.47	chr3	3p21.1	19	50.18
NBPF12	12.47	chr1	1q21	19	66.60
FANCM	12.47	chr14	14q21.2	52	142.18
Hs.576629	12.47	chr10	N/A	3	50.86
Hs.657449	12.47	chr12	N/A	1	0.00
LOC644634	12.47	chr1	1q21.2	9	67.66
Hs.655757	12.47	chrX	N/A	22	149.08
KRTAP26-1	12.47	chr21	21q22.11	12	61.68
Hs.546067	12.47	chrX	N/A	3	56.60
Hs.558293	12.47	chrX	N/A	3	37.09
USP29	12.47	chr19	19q13.43	31	175.08
OR52B6	12.46	chr11	11p15.4	6	80.04
Hs.127566	12.46	chr5	N/A	10	89.20
GRID1	12.46	chr10	10q22	38	97.78
FABP9	12.46	chr8	8q21.13	6	68.82
GHRL	12.46	chr3	3p26-p25	54	73.30
Hs.539915	12.46	chr14	N/A	3	37.34
MGC34800	12.46	chr16	16p11.2	14	29.87
Hs.582861	12.46	chr6	N/A	3	63.83
Hs.664164	12.46	chr16	N/A	8	98.60

BIRC7	12.46	chr20	20q13.3	24	117.61
Hs.382669	12.46	chr21	N/A	4	66.00
Hs.560338	12.46	chr15	N/A	3	43.21
Hs.555069	12.46	chr3	N/A	3	64.11
Hs.544194	12.46	chr5	N/A	3	50.64
Hs.388788	12.46	chr8	N/A	8	60.16
Hs.675966	12.46	chr5	N/A	15	54.90
Hs.539065	12.46	chr11	N/A	3	38.15
IGLV3-19	12.45	chr22	22q11.2	5	66.02
Hs.543400	12.45	chr4	N/A	3	31.47
Hs.662702	12.45	chr9	N/A	7	43.20
Hs.573871	12.45	chr10	N/A	3	28.22
BLNK	12.45	chr10	10q23.2-q23.33	35	97.35
Hs.649593	12.45	chr5	N/A	4	71.41
Hs.715910	12.45	chr16	N/A	9	66.38
Hs.538893	12.45	chr11	N/A	3	31.82
Hs.652694	12.45	chr4	N/A	3	70.85
Hs.661581	12.45	chr11	N/A	14	48.68
Hs.539917	12.45	chr14	N/A	10	107.19
Hs.575679	12.45	chr9	N/A	3	54.40
Hs.125693	12.45	chr11	N/A	3	43.11
Hs.668114	12.45	chr1	N/A	2	11.32
Hs.667239	12.45	chr19	N/A	2	9.62
AJAP1	12.45	chr1	1p36.32	46	91.51
Hs.733357	12.45	chr9	N/A	3	75.87
Hs.343846	12.45	chr9	N/A	10	18.22
Hs.542544	12.44	chr21	N/A	3	53.06
PRNT	12.44	chr20	20p13	24	88.78
Hs.5724	12.44	chr3	N/A	1	0.00
RALGPS2	12.44	chr1	1q25.2	67	98.19
Hs.634161	12.44	chr6	N/A	11	65.15
Hs.655798	12.44	chr3	N/A	8	80.01
LINC00839	12.44	chr10	10q11.21	27	102.57
KCNRG	12.44	chr13	13q14.2	17	47.47
Hs.649598	12.44	chr5	N/A	3	57.92
Hs.594601	12.44	chr4	N/A	1	0.00
LOC441511	12.44	chrX	Xq23	3	32.99
PTH	12.44	chr11	11p15.3-p15.1	38	119.83
Hs.145603	12.44	chr1	N/A	3	91.38
DNAJC5B	12.44	chr8	8q13.1	18	153.54
LOC340107	12.44	chr5	5p14.1	7	81.22
Hs.550386	12.44	chr2	N/A	7	77.80
ACER1	12.43	chr19	19p13.3	19	49.28
Hs.147406	12.43	chr19	N/A	6	50.50
Hs.567377	12.43	chr12	N/A	2	51.84
LOC100132217	12.43	chr7	7q11.21	4	95.97
Hs.36034	12.43	chr6	N/A	3	67.81
NUPR1L	12.43	chr7	7p11.2	8	14.55
Hs.710128	12.43	chr1	N/A	1	0.00
Hs.580903	12.43	chr21	N/A	3	41.59
Hs.126101	12.43	chr8	N/A	21	98.19
Hs.512386	12.43	chr2	N/A	1	0.00
Hs.434285	12.43	chrX	N/A	7	90.07
Hs.129613	12.43	chr6	N/A	17	117.86
ADARB2	12.43	chr10	10p15.3	34	54.99
FBXO27	12.43	chr19	19q13.2	26	99.54
Hs.657805	12.43	chr4	N/A	1	0.00
Hs.581224	12.42	chr3	N/A	3	85.50
IL20RA	12.42	chr6	6q23.3	23	81.16
Hs.662015	12.42	chr17	N/A	11	87.26
Hs.638440	12.42	chr7	N/A	3	42.06
C1QTNF6	12.42	chr22	22q13.1	40	129.51
FLJ32255	12.42	chr5	5p12	24	66.10
Hs.579352	12.42	chr17	N/A	3	21.60
Hs.728849	12.42	chr6	N/A	10	30.84
TTLL11	12.42	chr9	9q33.2	32	70.78

Hs.599221	12.42	chr15	N/A	1	0.00
CA5A	12.42	chr16	16q24.3	32	162.56
Hs.636929	12.42	chr3	N/A	4	77.65
Hs.541808	12.42	chr2	N/A	10	83.70
Hs.564516	12.42	chr13	N/A	3	24.34
Hs.663291	12.42	chr10	N/A	8	50.71
Hs.739274	12.42	chr12	N/A	3	60.36
Hs.541802	12.42	chr2	N/A	3	51.60
Hs.667099	12.42	chr5	N/A	7	132.42
Hs.525086	12.41	chr13	N/A	3	75.00
C8orf34	12.41	chr8	8q13	57	108.80
Hs.543118	12.41	chr3	N/A	3	69.62
Hs.638993	12.41	chr20	N/A	3	36.60
Hs.283289	12.41	chr11	N/A	3	99.13
C1orf140	12.41	chr1	1q41	3	25.00
Hs.346679	12.41	chr5	N/A	1	0.00
OR4C12	12.41	chr11	11p11.12	8	64.43
Hs.665324	12.41	chr2	N/A	3	45.53
Hs.659105	12.41	chr15	N/A	18	73.58
DIRAS2	12.41	chr9	9q22.2	44	207.95
Hs.583753	12.41	chr8	N/A	3	49.78
Hs.542854	12.41	chr3	N/A	10	61.54
Hs.528979	12.41	chr17	N/A	7	47.11
Hs.664554	12.41	chr3	N/A	7	57.86
GLIPR1L1	12.40	chr12	12q21.2	26	84.75
Hs.709480	12.40	chr12	N/A	11	82.58
Hs.606606	12.40	chr13	N/A	3	22.38
KRT33A	12.40	chr17	17q12-q21	26	117.30
Hs.540009	12.40	chr14	N/A	3	93.89
Hs.610260	12.40	chr1	N/A	10	28.72
Hs.552949	12.40	chr15	N/A	12	31.22
Hs.729214	12.40	chr9	N/A	7	68.87
Hs.561499	12.40	chr6	N/A	1	0.00
Hs.745140	12.40	chr17	N/A	1	0.00
Hs.558279	12.39	chr8	N/A	3	90.84
OLR1	12.39	chr12	12p13.2-p12.3	30	93.17
Hs.283637	12.39	chrX	N/A	3	28.89
SLC28A2	12.39	chr15	15q15	28	142.07
CELF3	12.39	chr1	1q21	35	94.45
MMRN1	12.39	chr4	4q22	23	79.45
Hs.734159	12.39	chr6	N/A	4	69.11
Hs.706947	12.39	chr6	N/A	1	0.00
NCF1	12.39	chr7	7q11.23	33	73.43
Hs.545825	12.39	chr9	N/A	3	45.64
Hs.542763	12.39	chr22	N/A	3	32.88
Hs.596107	12.39	chr18	N/A	7	50.67
Hs.721421	12.39	chr10	N/A	3	65.47
Hs.554643	12.39	chr2	N/A	3	56.08
Hs.561829	12.38	chr8	N/A	10	54.16
Hs.579112	12.38	chr17	N/A	3	56.92
RHOXF2B	12.38	chrX	Xq24	26	92.45
Hs.685420	12.38	chr3	N/A	2	7.22
Hs.677119	12.38	chr3	N/A	5	34.40
Hs.662838	12.38	chr3	N/A	7	103.10
Hs.314458	12.38	chr13	N/A	3	42.08
Hs.559709	12.38	chr1	N/A	3	40.44
Hs.282556	12.38	chr16	N/A	3	64.04
Hs.582478	12.38	chr5	N/A	3	16.43
KRT27	12.38	chr17	17q21.2	24	70.27
Hs.132545	12.38	chr17	N/A	24	120.70
DKFZP434L187	12.38	chr15	15q13.2	32	101.46
COL17A1	12.38	chr10	10q24.3	57	123.81
Hs.565713	12.38	chr20	N/A	3	17.05
CELF4	12.37	chr18	18q12	70	107.78
BPIFB3	12.37	chr20	20q11.21	16	82.70
PROX2	12.37	chr14	14q24.3	13	132.14

Hs.534671	12.37	chr19	N/A	3	49.73
Hs.128109	12.37	chr5	N/A	3	24.99
Hs.726818	12.37	chr5	N/A	11	47.95
TACR1	12.37	chr2	2p12	50	80.24
Hs.559139	12.37	chr10	N/A	11	103.20
LOC440742	12.37	chr1	1q44	3	71.64
BPIFA3	12.37	chr20	20q11.21	25	96.12
Hs.128073	12.37	chr5	N/A	14	109.37
Hs.659436	12.36	chr18	N/A	8	50.61
Hs.652964	12.36	chr10	N/A	3	25.26
Hs.570910	12.36	chr5	N/A	3	102.74
Hs.128812	12.36	chr11	N/A	18	81.61
LOC255130	12.36	chr4	4q12	3	67.69
LOC100130992	12.36	chr10	10p12.31	20	72.05
Hs.668074	12.36	chr5	N/A	1	0.00
OR1E2	12.36	chr17	17p13.3	14	69.28
LCA5L	12.36	chr21	21q22.2	30	107.60
Hs.551112	12.36	chr7	N/A	3	36.68
Hs.656356	12.36	chr8	N/A	7	73.39
Hs.602466	12.36	chr15	N/A	7	70.91
TOB1-AS1	12.36	chr17	17q21.33	25	66.23
Hs.544020	12.36	chr5	N/A	3	22.46
Hs.706874	12.36	chr11	N/A	10	24.49
Hs.732154	12.36	chr1	N/A	8	90.13
SPDYA	12.36	chr2	2p23.2	38	128.03
Hs.668396	12.35	chr7	N/A	7	76.97
MATN4	12.35	chr20	20q13.1-q13.2	36	75.14
Hs.670477	12.35	chr4	N/A	11	58.94
GPR26	12.35	chr10	10q26.13	35	134.99
Hs.649591	12.35	chr9	N/A	1	0.00
HTN1	12.35	chr4	4q13	21	132.77
Hs.576319	12.35	chr1	N/A	3	44.23
RIBC2	12.35	chr22	22q13.31	30	136.47
LINC00663	12.35	chr19	19p13.11	15	93.94
Hs.703398	12.35	chr1	N/A	1	0.00
Hs.145222	12.35	chr7	N/A	2	89.59
Hs.664535	12.35	chr16	N/A	1	0.00
Hs.540344	12.35	chr15	N/A	3	72.09
Hs.669119	12.35	chr19	N/A	1	0.00
Hs.565469	12.34	chr2	N/A	3	61.28
LINC00336	12.34	chr6	6p21.31	3	92.91
Hs.560757	12.34	chr2	N/A	7	69.01
Hs.555072	12.34	chr4	N/A	4	58.16
Hs.564537	12.34	chr13	N/A	3	63.22
OVOL2	12.34	chr20	20pter-q11.23	42	95.05
Hs.666817	12.34	chr12	N/A	7	159.95
Hs.444290	12.34	chr3	N/A	21	71.57
Hs.581442	12.34	chr3	N/A	3	10.22
Hs.169979	12.34	chr19	N/A	3	36.83
Hs.170973	12.34	chr8	N/A	3	34.59
Hs.275663	12.34	chr2	N/A	3	72.91
Hs.655701	12.34	chr1	N/A	7	124.63
FAM5B	12.34	chr1	1q24	27	80.23
Hs.658815	12.34	chr17	N/A	2	35.72
LOC339568	12.34	chr20	20q12	4	70.05
RSPO1	12.33	chr1	1p34.3	27	253.67
SCGB2A2	12.33	chr11	11q13	58	78.94
C6orf141	12.33	chr6	6p12.3	26	44.85
Hs.204545	12.33	chr3	N/A	3	22.24
Hs.209445	12.33	chr2	N/A	3	48.36
CMTM5	12.33	chr14	14q11.2	24	75.24
Hs.599723	12.33	chr13	N/A	8	84.96
KCNJ13	12.33	chr2	2q37	39	182.11
Hs.668219	12.33	chr7	N/A	2	19.39
MIP	12.33	chr12	12q13	21	78.43
VSX2	12.33	chr14	14q24.3	6	92.93

Hs.438365	12.33	chr15	N/A	10	62.01
PCDHAC2	12.32	chr5	5q31	2	38.42
Hs.596781	12.32	chr15	N/A	3	74.40
GREB1	12.32	chr2	2p25.1	62	77.72
IPCEF1	12.32	chr6	6q25.2	33	133.57
Hs.660124	12.32	chr10	N/A	7	56.05
Hs.545367	12.32	chr8	N/A	3	48.49
Hs.668385	12.32	chr8	N/A	7	95.23
EPO	12.32	chr7	7q22	35	102.28
Hs.577381	12.32	chr10	N/A	3	78.92
ZIC1	12.32	chr3	3q24	42	171.42
Hs.575830	12.32	chr1	N/A	3	20.49
PDE6C	12.32	chr10	10q24	33	253.22
DRP2	12.32	chrX	Xq22	32	66.86
TMEM26	12.32	chr10	10q21.2	43	132.11
DNAJC5G	12.32	chr2	2p23.3	20	63.50
Hs.677252	12.31	chr2	N/A	20	61.17
B3GNT4	12.31	chr12	12q24	38	108.52
LOC100506142	12.31	chr2	2p21	6	72.53
LRRC4	12.31	chr7	7q31.3	26	100.92
Hs.660350	12.31	chr15	N/A	7	66.40
Hs.722252	12.31	chr16	N/A	7	46.33
Hs.573083	12.31	chr4	N/A	3	64.89
KLRG2	12.31	chr7	7q34	22	102.66
Hs.566805	12.31	chr8	N/A	3	70.54
C1QTNF7	12.31	chr4	4p15.3	51	69.30
Hs.123362	12.31	chr9	N/A	4	102.51
Hs.550285	12.31	chr12	N/A	3	16.81
NPPFR2	12.31	chr4	4q21	35	99.22
Hs.637619	12.31	chr14	N/A	3	113.27
Hs.739063	12.31	chr19	N/A	3	39.92
PATE3	12.31	chr11	11q24.2	2	81.87
Hs.545853	12.31	chr9	N/A	7	31.53
Hs.659457	12.31	chr4	N/A	2	68.51
DLEU2L	12.30	chr1	1p31-p22	14	60.21
Hs.128309	12.30	chr9	N/A	5	85.87
CDRT7	12.30	chr17	17p12	3	92.29
Hs.602982	12.30	chr18	N/A	7	73.97
Hs.664883	12.30	chr2	N/A	11	24.46
HOXD8	12.30	chr2	2q31.1	25	92.29
Hs.63311	12.30	chr14	N/A	4	56.98
Hs.661303	12.30	chr11	N/A	1	0.00
Hs.729594	12.30	chr17	N/A	8	83.53
Hs.537678	12.30	chr1	N/A	5	58.26
AADACL2	12.30	chr3	3q25.1	24	64.98
Hs.713079	12.30	chr7	N/A	8	20.84
Hs.572123	12.30	chr11	N/A	10	78.70
Hs.675920	12.30	chr11	N/A	1	0.00
HGD	12.30	chr3	3q13.33	58	101.69
Hs.655986	12.30	chr1	N/A	7	151.27
PROC	12.30	chr2	2q13-q14	30	117.36
Hs.667370	12.30	chr4	N/A	7	55.11
Hs.538535	12.30	chr10	N/A	3	25.12
Hs.120186	12.30	chr2	N/A	3	76.49
SPTBN4	12.29	chr19	19q13.13	41	104.05
EPHA1-AS1	12.29	chr7	7q35	2	72.57
C1orf141	12.29	chr1	1p31.3	9	99.48
Hs.580230	12.29	chr2	N/A	3	76.38
SLC22A8	12.29	chr11	11q11	27	86.82
Hs.582179	12.29	chr5	N/A	3	72.04
Hs.537970	12.29	chr1	N/A	3	90.03
Hs.737929	12.29	chr9	N/A	1	0.00
LINC00423	12.29	chr13	N/A	1	0.00
TSGA10IP	12.29	chr11	11q13.1	21	91.35
Hs.527684	12.29	chr10	N/A	4	63.47
Hs.666755	12.29	chr12	N/A	7	80.46

Hs.566023	12.29	chr4	N/A	5	82.74
Hs.633650	12.29	chr7	N/A	2	52.55
Hs.279472	12.29	chr12	N/A	6	52.07
Hs.540840	12.29	chr17	N/A	3	25.10
Hs.666443	12.29	chr2	N/A	11	119.99
Hs.633632	12.28	chr6	N/A	7	74.80
STK32C	12.28	chr10	10q26.3	21	73.49
Hs.130663	12.28	chr1	N/A	10	77.96
Hs.582353	12.28	chr5	N/A	3	8.76
Hs.205446	12.28	chr8	N/A	3	46.94
PRDM1	12.28	chr6	6q21	33	103.44
RAX	12.28	chr18	18q21.32	21	93.41
GPR75	12.28	chr2	2p16	5	55.73
LOC100131691	12.28	chr19	19q13.43	1	0.00
OMP	12.28	chr11	11q13.5	21	76.42
Hs.664021	12.28	chr2	N/A	7	101.03
Hs.527387	12.28	chr7	N/A	3	41.90
Hs.601154	12.28	chr11	N/A	7	55.36
Hs.650600	12.28	chr10	N/A	3	64.27
Hs.633058	12.28	chr13	N/A	7	63.46
Hs.603672	12.28	chr10	N/A	9	46.23
Hs.544751	12.28	chr6	N/A	3	94.12
Hs.54773	12.28	chr8	N/A	17	76.38
IQCC	12.28	chr1	1p36.11-p34.2	21	110.40
GLIPR1L2	12.27	chr12	12q21.2	26	54.90
LOC100506271	12.27	chr22	N/A	21	104.13
Hs.616703	12.27	chr13	N/A	10	28.29
Hs.664184	12.27	chr21	N/A	7	83.98
ZNF570	12.27	chr19	19q13.12	17	85.49
Hs.664012	12.27	chr13	N/A	7	115.78
Hs.333771	12.27	chr22	N/A	3	67.25
SYCN	12.27	chr19	19q13.2	18	99.30
Hs.666787	12.27	chr11	N/A	8	64.14
Hs.113139	12.27	chr6	N/A	10	94.96
Hs.604344	12.27	chr8	N/A	7	76.62
LNX1-AS2	12.27	chr4	N/A	13	59.21
Hs.706272	12.27	chr15	N/A	18	81.14
SPANXB2	12.27	chrX	Xq27.1	16	160.37
FBXO16	12.27	chr8	8p21.1	24	72.51
Hs.668555	12.27	chr6	N/A	7	66.69
Hs.92556	12.27	chr14	N/A	3	50.22
Hs.611098	12.27	chr6	N/A	11	41.65
Hs.513112	12.27	chr15	N/A	3	53.45
Hs.737495	12.27	chr16	N/A	3	47.16
Hs.578483	12.27	chr15	N/A	3	22.62
BCAT1	12.27	chr12	12p12.1	74	82.46
Hs.656764	12.27	chr20	N/A	7	61.93
Hs.529442	12.27	chr22	N/A	3	87.65
Hs.546052	12.27	chrX	N/A	3	63.09
LOC390714	12.26	chr16	16p11.2	3	40.93
CYP2C19	12.26	chr10	10q24	38	125.03
Hs.129407	12.26	chr8	N/A	6	60.90
Hs.548282	12.26	chr11	N/A	1	0.00
Hs.666707	12.26	chr22	N/A	8	96.01
Hs.729450	12.26	chr16	N/A	7	54.50
ANKRD20A3	12.26	chr9	9p12	66	49.25
FAM64A	12.26	chr17	17p13.2	121	81.22
Hs.542612	12.26	chr21	N/A	3	62.52
Hs.666967	12.26	chr12	N/A	14	71.99
MROH1	12.26	chr8	8q24.3	62	79.86
Hs.444181	12.26	chr19	N/A	29	78.53
C1orf87	12.26	chr1	1p32.1	35	75.24
Hs.575816	12.26	chr1	N/A	3	30.46
Hs.120653	12.26	chr6	N/A	3	91.51
ZNF454	12.26	chr5	5q35.3	18	81.52
Hs.661868	12.26	chr6	N/A	7	129.33

LOC100507077	12.25	chr11	N/A	4	79.59
Hs.324084	12.25	chr3	N/A	3	95.65
Hs.661081	12.25	chr5	N/A	1	0.00
KLRC4	12.25	chr12	12p13.2-p12.3	27	88.17
Hs.576097	12.25	chr1	N/A	3	36.44
Hs.131563	12.25	chr20	N/A	7	113.57
Hs.196534	12.25	chr2	N/A	9	71.61
FA2H	12.25	chr16	16q23	29	91.12
SLC22A13	12.25	chr3	3p21.3	23	66.06
Hs.541990	12.25	chr2	N/A	3	40.20
ERI1	12.25	chr8	8p23.1	49	87.86
SNAR-C3	12.25	chr19	19q13.32	3	31.83
Hs.435279	12.25	chr6	N/A	3	73.56
Hs.406454	12.24	chr9	N/A	10	34.47
Hs.544222	12.24	chr5	N/A	3	7.77
KCNA10	12.24	chr1	1p13.1	21	81.94
SEC14L3	12.24	chr22	22q12.2	47	290.25
Hs.161173	12.24	chr8	N/A	3	53.62
Hs.544590	12.24	chr6	N/A	3	75.73
Hs.658520	12.24	chrX	N/A	18	60.71
RANBP17	12.24	chr5	5q34	41	70.75
TNFSF8	12.24	chr9	9q33	56	72.12
Hs.538640	12.24	chr10	N/A	3	34.68
Hs.147526	12.24	chr2	N/A	3	15.48
Hs.538770	12.24	chr11	N/A	3	51.87
Hs.554368	12.24	chr1	N/A	4	54.68
Hs.496187	12.24	chrX	N/A	3	30.65
Hs.437704	12.24	chr18	N/A	5	55.95
DKFZp566F0947	12.24	chr19	19q12	6	46.62
Hs.531033	12.24	chr13	N/A	3	75.84
FGF6	12.24	chr12	12p13	26	58.42
WDR52	12.23	chr3	3q13.2	32	111.50
Hs.544500	12.23	chr6	N/A	3	41.10
Hs.527961	12.23	chr14	N/A	3	22.38
Hs.735217	12.23	chr1	N/A	1	0.00
Hs.686117	12.23	chr10	N/A	1	0.00
Hs.256879	12.23	chr8	N/A	4	138.98
SERPINB7	12.23	chr18	18q21.33	33	91.89
Hs.668182	12.23	chr21	N/A	2	31.60
DAPK1-IT1	12.23	chr9	N/A	8	56.99
Hs.709475	12.23	chr12	N/A	3	59.56
OTUD7A	12.23	chr15	15q13.3	35	69.60
Hs.554153	12.23	chr17	N/A	3	45.29
Hs.659902	12.23	chr13	N/A	7	90.65
LOC100652856	12.23	chr13	N/A	2	45.95
Hs.675708	12.23	chr21	N/A	1	0.00
Hs.662617	12.23	chr12	N/A	4	116.22
Hs.575834	12.23	chr1	N/A	3	16.21
Hs.572468	12.23	chr17	N/A	3	53.30
LOC646743	12.23	chr2	2q21.1	10	60.86
HHLA3	12.23	chr1	1p31.1	49	100.21
Hs.603403	12.22	chr8	N/A	1	0.00
EFCAB3	12.22	chr17	17q23.2	24	55.18
Hs.542162	12.22	chr2	N/A	3	31.62
LINC00158	12.22	chr21	21q21.3	17	193.58
Hs.648511	12.22	chr6	N/A	3	67.38
HCG26	12.22	chr6	6p21.3	22	93.85
SLC22A25	12.22	chr11	11q12.3	32	185.55
Hs.667809	12.22	chr17	N/A	7	45.40
PYHIN1	12.22	chr1	1q23.1	41	104.49
LIPN	12.22	chr10	10q23.31	6	56.02
PRH2	12.22	chr12	12p13.2	16	45.54
Hs.660901	12.22	chr2	N/A	7	78.64
Hs.739089	12.22	chr2	N/A	3	61.16
Hs.544767	12.22	chr6	N/A	8	47.67
CNGA1	12.22	chr4	4p12	40	101.14

HSF2BP	12.22	chr21	21q22.3	30	94.36
TCEANC	12.22	chrX	Xp22.2	13	24.99
DPPA3	12.22	chr12	12p13.31	20	96.81
CNBD2	12.22	chr20	20q11.23	23	208.85
Hs.656974	12.22	chr7	N/A	1	0.00
PYDC2	12.22	chr3	3q28	3	48.55
Hs.444813	12.22	chr22	N/A	4	85.47
Hs.597885	12.21	chr1	N/A	5	111.03
Hs.565576	12.21	chr2	N/A	3	19.36
Hs.61881	12.21	chr20	N/A	10	57.09
LOC100506787	12.21	chr18	N/A	3	46.24
Hs.570766	12.21	chr4	N/A	3	16.83
Hs.657486	12.21	chr12	N/A	7	66.46
Hs.636063	12.21	chr19	N/A	4	38.07
NAG20	12.21	chr7	7q33	10	43.38
Hs.598687	12.21	chr4	N/A	7	123.52
CCR4	12.21	chr3	3p24	23	100.95
Hs.655016	12.21	chr2	N/A	9	80.78
Hs.613982	12.21	chr18	N/A	15	95.13
TMEM132D	12.21	chr12	12q24.33	23	92.88
KRBOX1-AS1	12.20	chr3	N/A	3	105.35
Hs.668366	12.20	chr14	N/A	7	59.21
Hs.604165	12.20	chr15	N/A	2	72.13
Hs.565054	12.20	chr17	N/A	3	56.99
Hs.407490	12.20	chr3	N/A	7	68.24
PADI3	12.20	chr1	1p36.13	21	57.91
Hs.385785	12.20	chr11	N/A	4	39.73
CNGA4	12.20	chr11	11p15.4	19	85.21
GIPC3	12.20	chr19	19p13.3	32	78.46
Hs.568153	12.20	chr13	N/A	7	43.49
Hs.666678	12.20	chr11	N/A	2	59.89
SLC9A3	12.20	chr5	5p15.3	23	99.57
Hs.221899	12.20	chr17	N/A	5	53.12
SLC39A12	12.20	chr10	10p12.33	17	55.97
Hs.517080	12.19	chr20	N/A	8	62.10
Hs.656152	12.19	chr6	N/A	9	75.94
LINC00282	12.19	chr13	13q14.3	14	76.94
NRL	12.19	chr14	14q11.1-q11.2	37	89.21
SLC22A9	12.19	chr11	11q13.1	47	138.91
CRYGN	12.19	chr7	7q36.1	17	81.31
CXCR1	12.19	chr2	2q35	18	52.35
Hs.721962	12.19	chr12	N/A	7	66.89
Hs.633641	12.19	chr7	N/A	2	92.75
Hs.658894	12.19	chr2	N/A	8	97.08
Hs.687812	12.19	chr6	N/A	3	17.70
Hs.624224	12.19	chr1	N/A	10	39.28
Hs.548539	12.19	chr17	N/A	3	39.81
PRSS33	12.19	chr16	16p13.3	30	115.46
Hs.736729	12.19	chr10	N/A	3	29.13
Hs.649313	12.19	chr1	N/A	10	88.42
Hs.134829	12.19	chr18	N/A	10	74.95
HYDIN	12.19	chr16	16q22.2	135	141.76
Hs.731462	12.19	chr20	N/A	7	134.24
Hs.396795	12.18	chr17	N/A	3	91.71
Hs.171186	12.18	chr21	N/A	3	55.53
PDZRN4	12.18	chr12	12q12	39	186.63
LOC401312	12.18	chr7	7p15.3	6	86.92
RIPPLY3	12.18	chr21	21q22.2	21	37.88
ABCD2	12.18	chr12	12q12	29	82.67
Hs.148141	12.18	chr22	N/A	7	103.62
Hs.666457	12.18	chr10	N/A	7	133.32
AADACL3	12.18	chr1	1p36.21	3	25.97
FAXC	12.18	chr6	6q16.2	68	188.83
Hs.667443	12.18	chr19	N/A	3	45.36
DNAH5	12.18	chr5	5p15.2	78	204.36
Hs.144492	12.18	chr10	N/A	21	148.41

LOC644717	12.17	chrX	Xq26.3	3	75.66
LOC254896	12.17	chr8	8p21.2	20	78.56
Hs.635240	12.17	chr2	N/A	7	95.77
Hs.733873	12.17	chr9	N/A	8	96.52
Hs.624958	12.17	chr1	N/A	3	49.55
Hs.663794	12.17	chr10	N/A	4	28.91
CLNK	12.17	chr4	4p16.1	15	57.36
Hs.666463	12.17	chr21	N/A	1	0.00
KRTAP15-1	12.17	chr21	21q22.1	16	40.50
Hs.626343	12.17	chr10	N/A	3	26.67
Hs.710145	12.17	chr5	N/A	8	94.38
Hs.602948	12.17	chr14	N/A	2	28.75
Hs.661446	12.16	chr17	N/A	32	65.16
Hs.538076	12.16	chr1	N/A	3	89.40
Hs.471582	12.16	chr2	N/A	7	48.86
MARCH1	12.16	chr4	4q32.2	75	88.49
HAO2	12.16	chr1	1p13.3-p13.1	31	138.45
OR10G4	12.16	chr11	11q24.1	5	59.91
Hs.564888	12.16	chr16	N/A	10	73.45
CASP16	12.16	chr16	16p13.3	9	29.32
Hs.352782	12.16	chr14	N/A	3	105.48
Hs.729580	12.16	chr10	N/A	1	0.00
Hs.557644	12.16	chr1	N/A	3	101.32
Hs.102923	12.16	chr10	N/A	7	57.47
LOC101059910	12.16	chr7	N/A	8	68.51
LRRC56	12.16	chr11	11p15.5	21	76.08
Hs.658171	12.16	chr8	N/A	8	92.85
C22orf34	12.16	chr22	22q13.33	7	71.65
CDC14A	12.16	chr1	1p21	87	96.54
Hs.575540	12.15	chr8	N/A	3	64.65
Hs.542781	12.15	chr6	N/A	1	0.00
Hs.467837	12.15	chr2	N/A	3	100.29
TTC36	12.15	chr11	11q23.3	4	37.43
LINC00583	12.15	chr9	9p23	3	47.38
Hs.601238	12.15	chr1	N/A	3	37.15
PRMT8	12.15	chr12	12p13.3	22	90.99
Hs.545081	12.15	chrX	N/A	10	29.83
FAM169B	12.15	chr15	15q26.3	14	60.98
Hs.97406	12.15	chr7	N/A	6	53.59
UNQ9370	12.15	chr15	15q26.1	3	32.45
TREML1	12.14	chr6	6p21.1	37	69.80
Hs.435168	12.14	chr12	N/A	7	96.55
Hs.674468	12.14	chr11	N/A	1	0.00
Hs.436697	12.14	chr12	N/A	4	25.71
Hs.410729	12.14	chr16	N/A	3	43.30
Hs.544029	12.14	chr5	N/A	10	45.65
Hs.570569	12.14	chr3	N/A	3	17.61
Hs.615233	12.14	chr12	N/A	10	39.55
Hs.724205	12.14	chr3	N/A	3	44.16
KLHL14	12.14	chr18	18q12.1	37	195.13
WDR72	12.14	chr15	15q21.3	71	116.68
DDX43	12.14	chr6	6q12-q13	28	163.78
CMTM2	12.14	chr16	16q21	26	93.28
SLC10A2	12.14	chr13	13q33	49	103.16
Hs.657232	12.14	chrX	N/A	18	74.53
Hs.563207	12.14	chr4	N/A	3	52.08
Hs.667319	12.13	chr6	N/A	3	53.24
GYS2	12.13	chr12	12p12.2	37	124.65
Hs.662482	12.13	chr13	N/A	7	54.80
Hs.552229	12.13	chr14	N/A	3	74.23
NETO1	12.13	chr18	18q22.2	52	133.71
CTAGE1	12.13	chr18	18p11.2	47	90.07
Hs.263387	12.13	chr3	N/A	2	74.96
KCNQ2	12.13	chr20	20q13.3	79	75.17
LINC00709	12.13	chr10	N/A	3	88.92
Hs.125556	12.13	chr11	N/A	7	75.97

Hs.662479	12.13	chr17	N/A	8	76.25
Hs.130295	12.12	chr10	N/A	14	66.88
KIF6	12.12	chr6	6p21.2	80	148.69
TMEM51-AS1	12.12	chr1	1p36.21	46	99.71
BEND4	12.12	chr4	4p13	36	89.69
CCDC81	12.12	chr11	11q14.2	28	140.53
Hs.487207	12.12	chr6	N/A	3	30.27
Hs.600088	12.12	chrX	N/A	7	96.09
Hs.347841	12.12	chr2	N/A	1	0.00
CAPSL	12.12	chr5	5p13.2	32	78.37
Hs.333345	12.12	chr3	N/A	3	32.61
Hs.665646	12.12	chr14	N/A	8	55.25
HOXD11	12.12	chr2	2q31.1	28	103.81
Hs.550118	12.12	chr1	N/A	3	24.18
Hs.558463	12.11	chr1	N/A	4	36.68
Hs.664213	12.11	chr19	N/A	8	50.86
OR4D6	12.11	chr11	11q12.1	3	57.45
Hs.538029	12.11	chr1	N/A	3	31.62
Hs.543626	12.11	chr4	N/A	3	78.02
Hs.581313	12.11	chr3	N/A	3	48.74
Hs.143958	12.11	chr4	N/A	6	46.83
EPHA8	12.11	chr1	1p36.12	31	151.07
Hs.308641	12.11	chr15	N/A	7	61.92
LOC100506206	12.11	chr1	N/A	14	117.65
KCNN3	12.11	chr1	1q21.3	60	81.29
Hs.567425	12.11	chr13	N/A	10	62.16
Hs.578899	12.11	chr16	N/A	3	49.63
Hs.734282	12.11	chr3	N/A	12	88.27
LINC00443	12.11	chr13	N/A	3	8.21
SBF2-AS1	12.11	chr11	11p15.4	3	87.77
Hs.660228	12.11	chr6	N/A	7	39.97
EPB42	12.10	chr15	15q15-q21	37	82.49
LOC645249	12.10	chr7	7q36.3	11	164.62
KCNH5	12.10	chr14	14q23.1	38	178.11
Hs.564600	12.10	chr13	N/A	3	105.66
Hs.577984	12.10	chr13	N/A	3	78.80
Hs.662148	12.10	chr8	N/A	1	0.00
Hs.574443	12.10	chr18	N/A	3	80.78
Hs.657069	12.10	chr7	N/A	8	66.34
TULP2	12.10	chr19	19q13.1	28	70.78
INTS6-AS1	12.10	chr13	N/A	15	67.14
Hs.660837	12.10	chr14	N/A	6	95.08
CT47A6	12.10	chrX	Xq24	6	70.06
ZNF267	12.09	chr16	16p11.2	18	39.63
Hs.738279	12.09	chr12	N/A	3	78.50
DEPDC1	12.09	chr1	1p31.2	41	102.06
TRDV1	12.09	chr14	14q11	3	44.59
Hs.638850	12.09	chr3	N/A	3	31.54
Hs.600890	12.09	chr5	N/A	7	130.77
LOC284751	12.09	chr20	20q13.13	6	138.51
Hs.665776	12.09	chr7	N/A	7	59.67
Hs.545893	12.09	chr9	N/A	3	33.99
Hs.576329	12.09	chr1	N/A	3	54.24
Hs.657303	12.09	chr7	N/A	3	82.21
BRDT	12.09	chr1	1p22.1	48	103.25
LOC728339	12.09	chr4	4q35.2	7	79.44
FAM224B	12.09	chrY	Yq11.221	5	64.33
Hs.666593	12.09	chr18	N/A	1	0.00
CYP7A1	12.09	chr8	8q11-q12	23	72.22
NLGN3	12.09	chrX	Xq13.1	26	116.77
Hs.586610	12.09	chr1	N/A	3	40.57
Hs.539118	12.09	chr12	N/A	3	56.35
Hs.658345	12.09	chr14	N/A	5	51.84
Hs.544874	12.09	chr7	N/A	3	41.21
Hs.667970	12.09	chr7	N/A	7	58.25
Hs.555116	12.09	chr1	N/A	3	27.45

Hs.732847	12.09	chr17	N/A	7	53.33
Hs.570393	12.08	chr20	N/A	3	124.33
TNS4	12.08	chr17	17q21.2	29	61.13
Hs.565944	12.08	chr3	N/A	3	66.64
Hs.541858	12.08	chr2	N/A	3	80.84
Hs.571837	12.08	chr1	N/A	3	60.00
Hs.672239	12.08	chr10	N/A	1	0.00
C18orf61	12.08	chr18	18p11.22	9	52.99
NIPAL4	12.08	chr5	5q33.3	16	83.14
SPATA31A1	12.08	chr9	9p13.1	10	89.94
Hs.652639	12.07	chr15	N/A	3	6.46
Hs.559593	12.07	chr1	N/A	4	68.97
TMEM92	12.07	chr17	17q21.33	28	101.83
Hs.22381	12.07	chr2	N/A	4	68.16
TEX19	12.07	chr17	17q25.3	19	104.41
LOC100506075	12.07	chr22	N/A	8	52.14
Hs.577555	12.07	chr12	N/A	3	41.10
Hs.524163	12.07	chr11	N/A	3	32.91
Hs.666092	12.07	chr2	N/A	7	86.55
EPHX4	12.07	chr1	1p22.1	17	72.31
HJURP	12.07	chr2	2q37.1	35	103.80
OR10A3	12.07	chr11	11p15.4	10	86.36
Hs.571403	12.07	chr8	N/A	3	50.97
Hs.545144	12.07	chr7	N/A	3	36.48
Hs.665440	12.07	chr20	N/A	1	0.00
TMCO5A	12.07	chr15	15q14	26	77.84
Hs.691160	12.07	chr2	N/A	2	87.33
Hs.591419	12.07	chr1	N/A	7	82.86
Hs.101120	12.07	chr18	N/A	15	189.05
Hs.576096	12.07	chr1	N/A	3	54.19
GALNT6	12.07	chr12	12q13	29	89.96
SNORD107	12.06	chr15	15q11.2	6	71.19
Hs.602977	12.06	chr4	N/A	7	72.23
LOC401164	12.06	chr4	4q35.2	3	52.74
Hs.531042	12.06	chr17	N/A	1	0.00
Hs.565545	12.06	chr2	N/A	3	62.68
Hs.135282	12.06	chr15	N/A	20	116.34
Hs.667967	12.06	chr4	N/A	3	39.91
MRAP2	12.06	chr6	6q14.2	35	100.55
H2AFB2	12.06	chrX	Xq28	25	49.79
BFSP1	12.06	chr20	20p12.1	33	93.00
Hs.663929	12.06	chr17	N/A	1	0.00
TTY2	12.06	chrY	Yp11.2	26	86.04
Hs.650210	12.06	chr5	N/A	5	65.21
ACE	12.06	chr17	17q23.3	50	93.89
Hs.565625	12.06	chr2	N/A	3	17.22
Hs.569588	12.06	chr16	N/A	3	58.60
Hs.450659	12.06	chr11	N/A	7	99.45
Hs.162010	12.05	chr12	N/A	3	59.95
Hs.127015	12.05	chr7	N/A	5	45.91
Hs.659912	12.05	chr11	N/A	7	69.62
Hs.571106	12.05	chr6	N/A	8	117.34
Hs.660257	12.05	chr8	N/A	1	0.00
LOC646168	12.05	chr3	3q26.1	10	77.55
Hs.543884	12.05	chr5	N/A	3	29.54
Hs.537742	12.05	chr1	N/A	3	29.31
LOC440337	12.05	chr16	16p13.2	13	99.57
Hs.573021	12.05	chr3	N/A	3	34.47
TAS2R19	12.05	chr12	12p13.2	26	67.54
LY6D	12.05	chr8	8q24	28	81.79
Hs.575231	12.05	chr5	N/A	3	27.25
Hs.658322	12.05	chr2	N/A	1	0.00
Hs.583591	12.05	chr8	N/A	3	39.24
Hs.147787	12.05	chr13	N/A	3	65.19
Hs.659306	12.05	chr6	N/A	7	71.92
Hs.150298	12.04	chr8	N/A	7	70.60

NOD2	12.04	chr16	16q21	18	79.71
LOC100505518	12.04	chr13	N/A	3	91.42
Hs.660178	12.04	chr9	N/A	11	28.95
Hs.212055	12.04	chr20	N/A	10	66.74
Hs.733682	12.04	chr10	N/A	10	48.75
Hs.679390	12.04	chr2	N/A	1	0.00
SERPINA11	12.04	chr14	14q32.13	20	85.07
Hs.659366	12.04	chr1	N/A	3	50.90
Hs.525565	12.04	chr14	N/A	3	45.76
Hs.582465	12.04	chr5	N/A	3	17.02
TEPP	12.04	chr16	16q21	24	64.56
CCDC181	12.04	chr1	1q24	42	58.67
Hs.650049	12.04	chr4	N/A	3	53.62
Hs.123404	12.04	chr6	N/A	3	47.65
Hs.517924	12.04	chr3	N/A	3	94.66
Hs.552038	12.04	chr22	N/A	3	44.43
GOLGA6A	12.04	chr15	15q24.1	49	119.20
Hs.741724	12.04	chr8	N/A	10	81.39
PF4V1	12.04	chr4	4q12-q21	23	90.02
Hs.553363	12.03	chr14	N/A	3	49.46
Hs.435133	12.03	chr4	N/A	3	53.13
Hs.581276	12.03	chr3	N/A	3	90.49
Hs.528103	12.03	chr11	N/A	10	140.68
Hs.201300	12.03	chrX	N/A	8	73.25
Hs.603563	12.03	chr15	N/A	7	58.65
Hs.582338	12.03	chr5	N/A	3	77.66
Hs.604750	12.03	chr8	N/A	10	120.73
Hs.603695	12.03	chr2	N/A	2	6.16
BLK	12.03	chr8	8p23-p22	38	94.72
Hs.544366	12.03	chr6	N/A	3	34.48
Hs.572652	12.03	chr2	N/A	3	67.31
LOC100289098	12.03	chr7	7q11.21	8	50.98
ABCG5	12.03	chr2	2p21	28	103.40
HIST1H1A	12.03	chr6	6p21.3	30	107.50
Hs.540712	12.02	chr17	N/A	3	10.96
RAB40A	12.02	chrX	Xq22.1	30	65.89
Hs.658665	12.02	chr8	N/A	6	58.65
Hs.145497	12.02	chr1	N/A	7	58.44
CAPN13	12.02	chr2	2p22-p21	51	147.92
Hs.545269	12.02	chr8	N/A	10	96.09
ADAT2	12.02	chr6	6q24.2	43	88.71
Hs.687496	12.02	chr17	N/A	8	75.27
RHBG	12.02	chr1	1q21.3	28	187.09
Hs.436191	12.02	chr3	N/A	29	109.41
LOC100506343	12.02	chr1	N/A	8	42.66
Hs.512079	12.02	chr1	N/A	1	0.00
PARD6G-AS1	12.02	chr18	18q23	9	96.02
NOX1	12.02	chrX	Xq22	83	123.07
ISL1	12.01	chr5	5q11.1	30	120.21
Hs.128121	12.01	chr2	N/A	11	58.09
Hs.543227	12.01	chr3	N/A	3	52.71
Hs.481242	12.01	chr4	N/A	3	35.34
Hs.577376	12.01	chr12	N/A	3	56.21
Hs.526891	12.01	chr20	N/A	3	44.06
LY6G6D	12.01	chr6	6p21.3	15	111.85
Hs.208623	12.01	chr1	N/A	14	88.30
Hs.560888	12.01	chr2	N/A	3	45.66
LINC00630	12.01	chrX	Xq22.1	2	0.59
Hs.664310	12.01	chr8	N/A	8	92.73
Hs.158121	12.01	chr4	N/A	3	88.11
Hs.560563	12.01	chr17	N/A	3	17.25
FLJ45513	12.00	chr17	17q21.33	1	0.00
Hs.603610	12.00	chr13	N/A	2	68.93
Hs.130110	12.00	chr17	N/A	7	80.47
MMP8	12.00	chr11	11q22.3	27	65.69
LOC100507443	12.00	chr2	2q33-q35	11	81.19

CBR3-AS1	12.00	chr21	N/A	12	66.06
HPCAL4	12.00	chr1	1p34.2	40	83.99
Hs.597786	12.00	chr8	N/A	3	113.78
Hs.668156	12.00	chr1	N/A	2	53.06
FAM149B1	12.00	chr10	10q22.2	37	119.08
Hs.566316	12.00	chr5	N/A	3	17.39
Hs.204481	12.00	chr17	N/A	3	50.14
Hs.518776	12.00	chr4	N/A	3	46.28
Hs.667067	12.00	chr5	N/A	3	66.41
Hs.655019	12.00	chr3	N/A	1	0.00
MYO7B	11.99	chr2	2q21.1	42	116.76
Hs.31941	11.99	chr13	N/A	3	99.86
LINC00574	11.99	chr6	6q27	21	39.82
Hs.563866	11.99	chr1	N/A	3	37.23
SBK2	11.99	chr19	19q13.42	2	62.15
Hs.543126	11.99	chr3	N/A	3	85.10
Hs.664735	11.99	chr1	N/A	7	62.71
Hs.581935	11.99	chr4	N/A	3	27.00
Hs.583826	11.99	chr8	N/A	3	59.37
LGALS7B	11.99	chr19	19q13.2	10	86.81
Hs.58834	11.99	chr19	N/A	2	105.46
LOC100652911	11.99	chr19	N/A	11	77.53
Hs.667669	11.99	chr21	N/A	7	35.59
Hs.569035	11.99	chr11	N/A	8	60.74
Hs.552262	11.99	chr4	N/A	3	74.91
KIAA1644	11.99	chr22	N/A	43	81.18
Hs.659810	11.99	chr5	N/A	14	58.47
CCDC144A	11.99	chr17	17p11.2	12	47.40
Hs.565170	11.99	chr18	N/A	3	24.84
Hs.460579	11.98	chrX	N/A	16	31.90
Hs.232684	11.98	chr11	N/A	3	113.91
ODF3B	11.98	chr22	22q13.33	20	87.16
Hs.635940	11.98	chr6	N/A	3	38.36
TIPARP-AS1	11.98	chr3	3q25.31	1	0.00
Hs.541221	11.98	chr19	N/A	3	34.83
Hs.714850	11.98	chr4	N/A	1	0.00
Hs.634729	11.98	chr3	N/A	3	24.01
SPATA3	11.98	chr2	2q37.1	23	58.35
Hs.579303	11.98	chr17	N/A	3	63.11
Hs.104972	11.98	chr2	N/A	3	107.90
Hs.524705	11.98	chr10	N/A	3	37.06
Hs.658011	11.98	chr5	N/A	8	98.79
Hs.656198	11.98	chr22	N/A	14	72.09
AMBN	11.98	chr4	4q21	30	48.60
Hs.576393	11.97	chr1	N/A	3	84.44
ZFY	11.97	chrY	Yp11.3	47	89.32
Hs.584581	11.97	chrX	N/A	3	80.08
Hs.577961	11.97	chr13	N/A	3	98.17
ZNF180	11.97	chr19	19q13.2	21	38.78
SAA4	11.97	chr11	11p15.1-p14	119	196.35
Hs.436972	11.97	chr16	N/A	3	74.46
Hs.543544	11.97	chr17	N/A	6	77.02
OR2T4	11.97	chr1	1q44	5	72.70
Hs.539623	11.97	chr13	N/A	3	17.86
Hs.538607	11.97	chr10	N/A	10	110.71
Hs.385555	11.97	chr5	N/A	1	0.00
KRT77	11.97	chr12	12q13.13	35	173.92
C5orf55	11.97	chr5	5p15.33	11	48.81
Hs.446266	11.96	chr6	N/A	3	69.02
Hs.603818	11.96	chr1	N/A	1	0.00
ZNF461	11.96	chr19	19q13.12	21	45.73
Hs.133913	11.96	chr4	N/A	2	28.51
Hs.730275	11.96	chr21	N/A	3	93.31
Hs.540873	11.96	chr17	N/A	3	42.76
Hs.566528	11.96	chr6	N/A	3	60.58
Hs.579259	11.96	chr17	N/A	3	37.07

LOC646484	11.96	chr4	4q31.1	7	70.69
Hs.600992	11.96	chr1	N/A	7	32.23
Hs.650390	11.96	chr14	N/A	3	87.32
QRFPR	11.96	chr4	4q27	23	73.95
Hs.580918	11.96	chr21	N/A	3	47.30
Hs.549879	11.96	chr13	N/A	1	0.00
OPRM1	11.96	chr6	6q24-q25	62	109.88
Hs.666695	11.96	chr1	N/A	1	0.00
Hs.674505	11.95	chr11	N/A	1	0.00
Hs.667205	11.95	chr9	N/A	7	48.47
Hs.208513	11.95	chr4	N/A	3	35.67
SLC12A5	11.95	chr20	20q13.12	26	108.30
Hs.655784	11.95	chr17	N/A	6	82.83
LOC100507330	11.95	chr12	N/A	8	56.44
MS4A6E	11.95	chr11	11q12.2	26	62.13
Hs.335002	11.95	chr18	N/A	3	74.15
Hs.541330	11.95	chr19	N/A	3	44.14
LAMP3	11.95	chr3	3q26.3-q27	31	71.53
Hs.596609	11.95	chr21	N/A	7	93.05
Hs.293184	11.95	chr5	N/A	4	79.83
LOC100506877	11.95	chr22	N/A	3	86.22
Hs.547695	11.95	chr5	N/A	11	89.08
Hs.667878	11.95	chr10	N/A	7	98.83
Hs.603441	11.95	chr16	N/A	3	74.43
Hs.657139	11.95	chr13	N/A	7	78.08
Hs.145237	11.95	chr17	N/A	3	50.33
Hs.473374	11.95	chr21	N/A	8	48.37
BROX	11.94	chr1	1q41	31	209.89
Hs.539902	11.94	chr14	N/A	3	50.89
ACBD7	11.94	chr10	10p13	8	80.86
Hs.483906	11.94	chr5	N/A	11	54.12
Hs.576653	11.94	chr10	N/A	5	51.31
Hs.650718	11.94	chr16	N/A	3	73.31
Hs.658797	11.94	chr10	N/A	8	32.10
KIAA1045	11.94	chr9	9p13.3	29	135.95
Hs.604522	11.94	chr2	N/A	10	32.10
Hs.662655	11.94	chr6	N/A	7	60.61
Hs.128757	11.94	chr7	N/A	8	97.43
Hs.441628	11.94	chr5	N/A	3	56.84
Hs.254521	11.94	chr3	N/A	3	58.87
Hs.389405	11.94	chr19	N/A	3	86.72
FOX12	11.93	chr10	10q26.2	3	62.08
Hs.666428	11.93	chr5	N/A	15	87.73
Hs.563898	11.93	chr1	N/A	3	64.22
Hs.658544	11.93	chr6	N/A	7	87.87
POLN	11.93	chr4	4p16.3	25	102.89
Hs.129796	11.93	chr2	N/A	7	45.12
Hs.542837	11.93	chr3	N/A	6	65.29
DSC3	11.93	chr18	18q12.1	58	108.25
Hs.441560	11.92	chr4	N/A	3	61.72
Hs.132553	11.92	chr1	N/A	7	81.59
Hs.541987	11.92	chr2	N/A	3	73.91
Hs.677204	11.92	chr6	N/A	1	0.00
Hs.655847	11.92	chr5	N/A	8	68.02
Hs.25669	11.92	chr20	N/A	1	0.00
OR10G8	11.92	chr11	11q24.2	13	37.80
TRHR	11.92	chr8	8q23	26	72.45
LOC388948	11.92	chr2	2p21	11	70.51
KRT72	11.92	chr12	12q13.13	21	76.23
LOC100506790	11.92	chrX	N/A	11	79.00
Hs.601003	11.92	chr12	N/A	7	91.75
Hs.543593	11.92	chr4	N/A	3	24.19
Hs.664102	11.92	chr20	N/A	8	104.97
TPGS1	11.91	chr19	19p13.3	32	61.01
Hs.658371	11.91	chr6	N/A	7	121.59
HOXC12	11.91	chr12	12q13.13	19	160.61

Hs.634952	11.91	chr17	N/A	3	49.31
Hs.552289	11.91	chr9	N/A	3	60.03
Hs.515291	11.91	chr19	N/A	6	122.32
Hs.655598	11.91	chr13	N/A	7	57.75
Hs.566813	11.91	chr8	N/A	3	41.73
Hs.124627	11.91	chr8	N/A	7	124.32
COLEC10	11.91	chr8	8q23-q24.1	30	51.56
Hs.105416	11.91	chr4	N/A	7	53.08
Hs.637205	11.91	chr1	N/A	3	33.74
OR2C3	11.91	chr1	1q44	19	39.38
Hs.723661	11.91	chr4	N/A	4	83.08
Hs.581599	11.91	chr3	N/A	3	42.85
Hs.170718	11.91	chr2	N/A	3	52.71
Hs.580290	11.90	chr2	N/A	3	69.40
Hs.544179	11.90	chr5	N/A	3	53.77
Hs.660078	11.90	chr7	N/A	7	65.05
Hs.666918	11.90	chr7	N/A	9	60.74
Hs.621592	11.90	chr4	N/A	3	5.81
AMMECR1	11.90	chrX	Xq22.3	72	91.09
Hs.663320	11.90	chr20	N/A	1	0.00
Hs.117032	11.90	chr11	N/A	3	39.97
Hs.659084	11.90	chr2	N/A	18	137.31
Hs.407141	11.90	chrX	N/A	1	0.00
OR4C3	11.90	chr11	11p11.2	19	67.68
IL13	11.90	chr5	5q31	30	114.97
LINC00632	11.90	chrX	Xq27.1	1	0.00
Hs.662834	11.90	chr13	N/A	3	38.12
FIGN	11.90	chr2	2q24.3	33	111.81
Hs.602695	11.90	chr3	N/A	7	93.67
FAM151B	11.90	chr5	5q14.1	16	66.49
Hs.537535	11.89	chr9	N/A	3	39.60
SYT9	11.89	chr11	11p15.4	42	104.96
SRD5A2	11.89	chr2	2p23	37	151.33
GPR128	11.89	chr3	3q12.2	22	72.32
SPDYC	11.89	chr11	11q13.1	6	59.05
Hs.259304	11.89	chr1	N/A	3	22.25
MAGEA4	11.89	chrX	Xq28	33	80.76
Hs.586709	11.89	chr11	N/A	7	61.99
HTN3	11.89	chr4	4q13	26	105.87
Hs.666549	11.89	chr14	N/A	2	10.95
Hs.197082	11.89	chr12	N/A	4	38.08
Hs.674035	11.88	chr19	N/A	1	0.00
Hs.658886	11.88	chr2	N/A	5	46.73
Hs.579561	11.88	chr18	N/A	3	74.26
Hs.562619	11.88	chr15	N/A	3	71.78
TMEM8C	11.88	chr9	9q34.2	6	50.88
DEFB108B	11.88	chr11	11q13.4	14	81.80
Hs.663901	11.88	chr16	N/A	14	77.48
LOC100506331	11.88	chr9	N/A	1	0.00
Hs.655674	11.88	chr4	N/A	17	97.87
FRK	11.88	chr6	6q21-q22.3	24	67.64
Hs.622425	11.88	chr3	N/A	2	25.71
VAX2	11.87	chr2	2p13	21	55.14
Hs.542168	11.87	chr2	N/A	3	17.97
Hs.146184	11.87	chr3	N/A	5	67.53
Hs.600882	11.87	chr3	N/A	14	73.36
Hs.667105	11.87	chr19	N/A	7	51.74
MCTP1	11.87	chr5	5q15	40	94.06
OR2T3	11.87	chr1	1q44	3	112.98
TNFSF11	11.87	chr13	13q14	48	122.27
GOLGA8G	11.87	chr15	15q13.1	14	62.87
Hs.579350	11.87	chr17	N/A	3	96.54
ANKAR	11.87	chr2	2q32.2	28	80.27
Hs.721654	11.87	chr15	N/A	1	0.00
Hs.665000	11.87	chr18	N/A	1	0.00
Hs.732770	11.87	chr15	N/A	3	75.69

ZNF391	11.87	chr6	6p22.1	12	74.96
Hs.578985	11.87	chr16	N/A	3	33.69
Hs.657043	11.87	chr2	N/A	7	93.99
Hs.298953	11.87	chr15	N/A	3	46.28
Hs.549435	11.86	chr1	N/A	10	89.23
Hs.148998	11.86	chr12	N/A	5	65.38
Hs.539839	11.86	chr14	N/A	6	61.01
Hs.603895	11.86	chr15	N/A	7	58.52
Hs.667829	11.86	chr13	N/A	1	0.00
Hs.549757	11.86	chr1	N/A	7	86.73
Hs.633491	11.86	chr20	N/A	1	0.00
Hs.195391	11.86	chr4	N/A	4	91.14
Hs.600498	11.86	chr17	N/A	7	48.21
Hs.543405	11.86	chr4	N/A	3	82.18
Hs.666299	11.86	chr4	N/A	7	131.86
Hs.127904	11.86	chr15	N/A	6	47.34
Hs.617519	11.86	chr21	N/A	3	18.29
Hs.543861	11.86	chr5	N/A	3	72.26
Hs.710408	11.86	chr14	N/A	3	34.29
NKX1-1	11.86	chr4	4p16.3	10	47.19
Hs.578364	11.85	chr14	N/A	3	31.24
Hs.665976	11.85	chr2	N/A	7	60.87
GCG	11.85	chr2	2q36-q37	28	118.53
Hs.732406	11.85	chr7	N/A	14	65.85
Hs.660220	11.85	chr11	N/A	8	74.83
Hs.562165	11.85	chr1	N/A	7	68.69
ZNF205-AS1	11.85	chr16	16p13.3	15	80.04
Hs.677127	11.85	chr15	N/A	1	0.00
Hs.659709	11.85	chr7	N/A	11	58.93
Hs.656099	11.85	chr3	N/A	3	8.21
Hs.658320	11.85	chr11	N/A	11	107.04
Hs.539213	11.85	chr12	N/A	3	60.94
Hs.563175	11.85	chr3	N/A	3	68.70
Hs.555512	11.85	chr14	N/A	3	51.88
Hs.127925	11.85	chr18	N/A	5	90.57
Hs.656661	11.85	chr22	N/A	29	153.64
SESN3	11.85	chr11	11q21	40	65.01
Hs.657628	11.85	chr1	N/A	14	64.21
Hs.270343	11.85	chr18	N/A	3	51.16
Hs.670700	11.85	chr19	N/A	1	0.00
LOC100128281	11.85	chr17	17p13.1	3	89.31
OR5K2	11.84	chr3	3q11.2	3	46.85
ZNF569	11.84	chr19	19q13.12	23	70.85
Hs.566573	11.84	chr6	N/A	3	63.08
Hs.131579	11.84	chr15	N/A	1	0.00
Hs.333507	11.84	chr22	N/A	3	38.06
IFNL1	11.84	chr19	19q13.13	20	112.45
Hs.157234	11.84	chr19	N/A	11	58.15
Hs.138200	11.84	chr5	N/A	5	115.99
Hs.132611	11.84	chr8	N/A	5	118.72
Hs.604408	11.83	chr3	N/A	7	75.56
Hs.613667	11.83	chr15	N/A	11	194.03
PRSS58	11.83	chr7	7q34	24	114.18
Hs.149922	11.83	chr2	N/A	7	108.56
HKDC1	11.83	chr10	10q22.1	52	96.27
Hs.120784	11.83	chr21	N/A	1	0.00
Hs.560742	11.83	chr2	N/A	10	79.95
Hs.579413	11.83	chr18	N/A	3	27.05
Hs.318398	11.83	chrX	N/A	3	73.52
LOC415056	11.83	chr9	9p13	14	222.97
DGKE	11.83	chr17	17q22	67	135.42
Hs.564584	11.83	chr13	N/A	3	48.87
DBC1	11.83	chr9	9q32-q33	55	157.93
Hs.697398	11.83	chr1	N/A	7	56.36
HAPLN4	11.83	chr19	19p13.1	45	98.87
Hs.634756	11.83	chr11	N/A	7	61.45

LOC100507071	11.83	chr8	N/A	7	98.68
Hs.734219	11.83	chr7	N/A	3	78.97
Hs.145426	11.83	chr3	N/A	5	56.38
Hs.661457	11.83	chr4	N/A	7	55.40
Hs.551197	11.82	chr11	N/A	1	0.00
CD22	11.82	chr19	19q13.1	74	123.84
TTY6B	11.82	chrY	Yq11.223	6	78.38
CDRT1	11.82	chr17	17p12	41	71.70
TTC26	11.82	chr7	7q34	40	77.31
Hs.281931	11.82	chr3	N/A	4	82.94
Hs.576771	11.82	chr10	N/A	3	52.76
Hs.570286	11.82	chr2	N/A	3	31.01
Hs.201405	11.82	chr17	N/A	3	64.63
Hs.23331	11.82	chr9	N/A	7	88.52
Hs.551271	11.82	chr1	N/A	3	80.15
CDH12	11.82	chr5	5p14.3	43	146.57
Hs.720466	11.82	chrX	N/A	1	0.00
Hs.662666	11.82	chr9	N/A	7	84.45
Hs.669884	11.82	chr14	N/A	1	0.00
Hs.545365	11.81	chr8	N/A	3	99.27
CLEC6A	11.81	chr12	12p13	3	88.48
Hs.643333	11.81	chr7	N/A	3	14.30
Hs.540140	11.81	chr5	N/A	3	58.99
Hs.648920	11.81	chr16	N/A	4	139.08
MEIG1	11.81	chr10	10p13	9	135.65
Hs.550263	11.81	chr10	N/A	3	19.96
SPACA1	11.81	chr6	6q15	21	61.63
STK32B	11.81	chr4	4p16.2	42	145.83
Hs.127350	11.81	chr1	N/A	3	63.37
LOC400684	11.81	chr19	19q13.11	18	89.56
Hs.361403	11.81	chr4	N/A	3	33.52
Hs.165690	11.81	chr15	N/A	3	63.60
C9	11.81	chr5	5p14-p12	23	70.26
Hs.122206	11.81	chr2	N/A	2	21.43
Hs.353024	11.81	chr22	N/A	13	159.19
Hs.563304	11.81	chr5	N/A	3	23.99
Hs.537764	11.80	chr1	N/A	3	58.76
Hs.652589	11.80	chr7	N/A	3	39.93
Hs.574065	11.80	chr12	N/A	3	98.65
Hs.710650	11.80	chr20	N/A	7	78.12
Hs.547587	11.80	chr10	N/A	10	57.00
Hs.664621	11.80	chr13	N/A	7	57.89
DFFB	11.80	chr1	1p36.3	46	96.88
TTC21B	11.80	chr2	2q24.3	44	73.92
Hs.616796	11.80	chr1	N/A	8	68.43
Hs.681187	11.80	chr12	N/A	3	93.10
Hs.581645	11.80	chr3	N/A	3	41.52
Hs.660895	11.80	chr19	N/A	7	79.39
Hs.537623	11.80	chr1	N/A	3	30.93
PODNL1	11.80	chr19	19p13.12	21	104.84
DPEP2	11.80	chr16	16q22.1	28	83.29
Hs.655060	11.79	chr5	N/A	8	70.33
Hs.581983	11.79	chr4	N/A	3	65.24
Hs.566037	11.79	chr4	N/A	3	70.80
Hs.657178	11.79	chr9	N/A	26	36.58
Hs.564598	11.79	chr13	N/A	3	98.04
Hs.10305	11.79	chr7	N/A	6	86.86
Hs.663913	11.79	chr2	N/A	7	59.37
Hs.546065	11.79	chrX	N/A	3	67.50
ACTL8	11.79	chr1	1p36.2-p35	23	64.37
ETV4	11.79	chr17	17q21	44	72.78
Hs.156270	11.79	chr5	N/A	10	84.43
Hs.602548	11.79	chr12	N/A	7	68.84
KRTAP10-8	11.79	chr21	21q22.3	6	32.75
MUC16	11.79	chr19	19p13.2	18	82.70
Hs.560932	11.79	chr2	N/A	10	36.20

SAMD5	11.79	chr6	6q24.3	23	50.25
TREM2	11.79	chr6	6p21.1	38	94.28
LOC646522	11.79	chr11	11q25	2	79.53
ADAMTS8	11.78	chr11	11q25	30	106.34
Hs.744344	11.78	chr3	N/A	10	31.62
Hs.607135	11.78	chr2	N/A	3	52.94
Hs.541570	11.78	chr2	N/A	3	60.36
LEF1	11.78	chr4	4q23-q25	46	121.21
Hs.205458	11.78	chr1	N/A	3	34.33
Hs.661473	11.78	chr7	N/A	20	74.39
Hs.582258	11.78	chr5	N/A	3	62.81
Hs.195929	11.78	chr1	N/A	1	0.00
PCDHB1	11.78	chr5	5q31	21	71.58
CASC5	11.78	chr15	15q14	54	190.72
Hs.147903	11.78	chr8	N/A	6	43.49
OTOR	11.78	chr20	20p12.1-p11.23	31	101.44
LOC100507600	11.78	chr2	N/A	1	0.00
Hs.645207	11.78	chr1	N/A	2	52.39
Hs.603079	11.78	chr14	N/A	3	90.66
HHLA1	11.78	chr8	8q24	26	67.25
Hs.665257	11.77	chr7	N/A	7	72.78
LHX8	11.77	chr1	1p31.1	11	76.65
Hs.542732	11.77	chr22	N/A	3	39.63
Hs.541490	11.77	chr2	N/A	3	108.06
Hs.656101	11.77	chr11	N/A	8	104.61
LOC100129380	11.77	chr12	12q24.31	22	114.12
Hs.544878	11.77	chr7	N/A	3	92.85
Hs.664950	11.77	chr6	N/A	7	120.18
Hs.600733	11.77	chr11	N/A	7	57.14
Hs.667031	11.77	chr8	N/A	1	0.00
Hs.663785	11.77	chr17	N/A	7	44.58
PRSS35	11.77	chr6	6q14.2	19	74.68
Hs.602710	11.77	chr19	N/A	10	61.78
Hs.38546	11.77	chr1	N/A	5	98.45
ERAS	11.77	chrX	Xp11.23	18	62.12
ANKRD66	11.77	chr6	6p12.3	10	43.94
Hs.639963	11.77	chr4	N/A	3	47.02
Hs.712762	11.77	chr17	N/A	1	0.00
Hs.24276	11.77	chr1	N/A	4	43.59
PBK	11.77	chr8	8p21.2	35	118.66
Hs.536579	11.77	chr12	N/A	1	0.00
FBP2	11.77	chr9	9q22.3	30	109.28
Hs.544418	11.77	chr6	N/A	3	30.82
Hs.596144	11.77	chr16	N/A	10	16.09
Hs.566488	11.76	chr6	N/A	3	41.47
Hs.186396	11.76	chr4	N/A	3	23.86
BBOX1	11.76	chr11	11p14.2	30	137.85
Hs.602098	11.76	chr4	N/A	3	53.91
Hs.601582	11.76	chr7	N/A	3	80.51
LINC00588	11.76	chr8	8q12.1	27	91.31
GKN2	11.76	chr2	2p13.3	38	107.76
Hs.662177	11.76	chr19	N/A	10	58.38
LOC100506122	11.76	chr4	4q32-q34	14	62.94
PSD	11.76	chr10	10q24	30	94.58
OR11H4	11.76	chr14	14q11.2	3	45.37
Hs.664838	11.76	chr7	N/A	7	70.92
ADAMTS3	11.76	chr4	4q13.3	40	111.40
Hs.529669	11.76	chr4	N/A	3	32.72
Hs.541532	11.76	chr2	N/A	3	14.69
Hs.544377	11.75	chr6	N/A	3	27.68
RHCE	11.75	chr1	1p36.11	44	74.79
Hs.542003	11.75	chr2	N/A	3	49.64
Hs.537609	11.75	chr1	N/A	3	62.49
Hs.157859	11.75	chr17	N/A	5	69.18
Hs.680106	11.75	chr5	N/A	3	66.46
LOC644838	11.75	chr2	2p14	16	69.99

Hs.565850	11.75	chr3	N/A	3	63.10
ANXA9	11.75	chr1	1q21	39	83.22
Hs.566767	11.75	chr7	N/A	3	13.43
WFDC8	11.75	chr20	20q13.12	49	100.82
Hs.594080	11.75	chr1	N/A	7	79.79
Hs.365071	11.75	chr12	N/A	11	75.82
Hs.571096	11.74	chr6	N/A	3	59.62
Hs.304539	11.74	chr17	N/A	3	71.54
LOC730256	11.74	chr1	1q21.1	3	61.52
PRAMEF17	11.74	chr1	1p36.21	3	63.91
Hs.436105	11.74	chr17	N/A	8	56.96
TMEM150B	11.74	chr19	19q13.42	4	68.57
Hs.565702	11.74	chr20	N/A	3	53.73
LOC100506098	11.74	chr7	N/A	28	58.63
CENPF	11.74	chr1	1q41	57	107.60
Hs.181895	11.74	chr1	N/A	22	56.26
Hs.278560	11.73	chr12	N/A	3	43.93
Hs.670803	11.73	chrX	N/A	1	0.00
Hs.582885	11.73	chr6	N/A	3	68.63
Hs.132301	11.73	chr9	N/A	2	58.21
ITLN2	11.73	chr1	1q22-q23	16	57.32
Hs.522954	11.73	chr1	N/A	1	0.00
C16orf97	11.73	chr16	16q12.1	10	43.68
Hs.537796	11.73	chr1	N/A	3	24.76
Hs.733872	11.73	chr3	N/A	5	107.11
Hs.545846	11.73	chr9	N/A	3	42.98
PLA2G4A	11.73	chr1	1q25	118	87.92
Hs.579492	11.73	chr18	N/A	3	58.61
Hs.644701	11.73	chr19	N/A	17	131.34
Hs.728632	11.73	chr17	N/A	3	20.17
Hs.634205	11.72	chr8	N/A	7	64.71
Hs.59872	11.72	chr4	N/A	11	128.66
Hs.564035	11.72	chr10	N/A	3	42.08
Hs.543096	11.72	chr3	N/A	3	56.02
Hs.565927	11.72	chr3	N/A	3	65.62
Hs.728469	11.72	chr2	N/A	1	0.00
Hs.596762	11.72	chr9	N/A	7	91.06
LOC284998	11.72	chr2	2q12.1	21	136.54
Hs.661961	11.72	chr6	N/A	5	50.95
Hs.602713	11.72	chr3	N/A	7	98.88
Hs.580430	11.72	chr2	N/A	3	30.65
Hs.567106	11.72	chrX	N/A	3	53.02
Hs.545699	11.72	chr9	N/A	3	33.03
Hs.573984	11.72	chr12	N/A	3	68.18
Hs.698087	11.71	chr3	N/A	3	15.37
Hs.374761	11.71	chr5	N/A	11	27.65
Hs.407643	11.71	chr13	N/A	2	63.31
KIF15	11.71	chr3	3p21.31	28	49.24
Hs.603581	11.71	chr10	N/A	7	64.15
Hs.122840	11.71	chr15	N/A	10	78.38
Hs.544595	11.71	chr6	N/A	3	86.28
Hs.539347	11.71	chr12	N/A	3	70.58
KRTAP13-3	11.71	chr21	21q22.1	16	54.96
Hs.659711	11.71	chr19	N/A	19	78.97
CACNA2D4	11.71	chr12	12p13.33	35	95.69
Hs.560109	11.71	chr12	N/A	3	50.47
Hs.724034	11.71	chr7	N/A	8	90.78
Hs.738204	11.71	chr5	N/A	3	47.25
SLC10A7	11.71	chr4	4q31.22	59	79.05
Hs.435284	11.70	chr8	N/A	3	67.37
FBLL1	11.70	chr5	5q34	13	156.18
Hs.742297	11.70	chr7	N/A	3	54.72
GRM8	11.70	chr7	7q31.3-q32.1	40	75.73
Hs.563124	11.70	chr3	N/A	3	9.62
Hs.443534	11.70	chr4	N/A	3	52.22
Hs.566921	11.70	chr8	N/A	3	56.78

DEFA5	11.70	chr8	8p23.1	23	120.02
Hs.385663	11.70	chr12	N/A	14	46.38
Hs.548352	11.70	chr12	N/A	3	51.27
Hs.667455	11.70	chr6	N/A	3	96.67
Hs.597744	11.69	chr3	N/A	7	79.23
Hs.655933	11.69	chr6	N/A	1	0.00
Hs.659207	11.69	chr20	N/A	8	58.16
Hs.655512	11.69	chr22	N/A	1	0.00
Hs.733564	11.69	chr11	N/A	10	58.10
Hs.661812	11.69	chr1	N/A	1	0.00
Hs.741885	11.69	chr18	N/A	7	65.44
Hs.657667	11.69	chr11	N/A	7	86.77
ANGPT4	11.69	chr20	20p13	21	82.70
FGF13-AS1	11.69	chrX	Xq26.3	1	0.00
TAC4	11.69	chr17	17q21.33	19	111.33
Hs.179299	11.69	chr15	N/A	8	132.38
CCDC38	11.69	chr12	12q23.1	22	73.04
Hs.647444	11.69	chr20	N/A	11	73.36
Hs.664598	11.69	chr4	N/A	7	72.05
Hs.657788	11.69	chr1	N/A	5	40.26
Hs.662764	11.69	chr1	N/A	8	47.18
LINC00526	11.68	chr18	18p11.31	18	37.78
ZNF367	11.68	chr9	9q22.32	34	68.98
HIST1H2BA	11.68	chr6	6p22.2	24	125.91
Hs.61481	11.68	chr8	N/A	17	60.04
NR1I2	11.68	chr3	3q12-q13.3	44	89.76
LCE3A	11.68	chr1	1q21.3	16	138.54
Hs.536380	11.68	chr14	N/A	1	0.00
GUCA2B	11.68	chr1	1p34-p33	28	117.68
Hs.523705	11.68	chr11	N/A	3	42.72
Hs.542184	11.68	chr2	N/A	3	69.68
Hs.677085	11.68	chr4	N/A	11	44.57
MEP1B	11.68	chr18	18q12.2-q12.3	23	88.26
Hs.308982	11.68	chr7	N/A	7	46.89
OR8G5	11.68	chr11	11q24.2	3	90.95
Hs.662007	11.68	chr22	N/A	1	0.00
C16orf74	11.68	chr16	16q24.1	19	53.01
Hs.665294	11.68	chr2	N/A	7	85.55
Hs.541779	11.68	chr2	N/A	3	53.27
FRG2	11.68	chr4	4q35	16	56.98
Hs.538871	11.67	chr11	N/A	3	46.36
Hs.529249	11.67	chr3	N/A	10	92.57
Hs.583920	11.67	chr8	N/A	3	55.22
Hs.560526	11.67	chr17	N/A	7	75.93
Hs.523698	11.67	chr11	N/A	2	42.32
Hs.571249	11.67	chr7	N/A	3	42.50
Hs.128527	11.67	chr9	N/A	10	43.11
Hs.633941	11.67	chr1	N/A	3	33.38
PCDHGA4	11.67	chr5	5q31	3	16.60
PABPC1L2A	11.67	chrX	Xq13.2	3	55.26
ZCCHC13	11.67	chrX	Xq13.2	19	156.82
NLRP4	11.67	chr19	19q13.43	23	67.51
HIST1H4G	11.67	chr6	6p22.1	21	113.40
Hs.537732	11.67	chr1	N/A	3	66.26
Hs.657512	11.67	chr1	N/A	8	30.50
Hs.577768	11.67	chr12	N/A	3	37.42
CLDN1	11.67	chr3	3q28-q29	60	130.89
Hs.566838	11.67	chr8	N/A	3	39.56
LOC100996310	11.67	chr3	N/A	11	152.86
Hs.656210	11.67	chr12	N/A	14	90.01
AVP	11.66	chr20	20p13	23	68.89
Hs.566675	11.66	chr7	N/A	3	51.68
Hs.666453	11.66	chr22	N/A	2	17.46
CALCR	11.66	chr7	7q21.3	33	99.90
JSRP1	11.66	chr19	19p13.3	19	147.21
Hs.517849	11.66	chr1	N/A	1	0.00

Hs.232291	11.66	chr18	N/A	3	30.51
Hs.661793	11.66	chr13	N/A	5	83.66
CGA	11.66	chr6	6q12-q21	51	120.33
ATP4B	11.66	chr13	13q34	34	83.90
Hs.559248	11.66	chr17	N/A	21	60.42
NKD1	11.66	chr16	16q12.1	41	109.90
Hs.576632	11.66	chr10	N/A	3	28.71
Hs.665259	11.66	chr12	N/A	14	60.33
Hs.697787	11.66	chr18	N/A	1	0.00
Hs.573062	11.66	chr4	N/A	10	70.96
Hs.545275	11.66	chr8	N/A	3	20.73
Hs.540826	11.65	chr17	N/A	3	66.22
Hs.538282	11.65	chr10	N/A	3	93.50
Hs.6985	11.65	chr2	N/A	8	72.22
LOC728463	11.65	chr1	1q41	3	98.64
LINC00708	11.65	chr10	10p14	4	55.54
OR2V2	11.65	chr5	5q35.3	16	46.63
FGG	11.65	chr4	4q28	30	191.24
Hs.655966	11.65	chr11	N/A	2	63.85
Hs.709505	11.65	chr7	N/A	11	82.03
LOC645434	11.65	chr6	6q24.1	17	147.42
Hs.150743	11.65	chr4	N/A	7	117.36
TRIM36	11.65	chr5	5q22.3	65	122.49
Hs.655665	11.65	chr1	N/A	7	59.74
Hs.406011	11.65	chr12	N/A	3	45.19
Hs.552373	11.65	chr13	N/A	3	9.17
Hs.437406	11.64	chr1	N/A	3	37.19
KSR2	11.64	chr12	12q24.22-q24.23	47	99.26
IL1F10	11.64	chr2	2q13	20	99.78
Hs.733813	11.64	chr4	N/A	1	0.00
Hs.540516	11.64	chr16	N/A	3	59.40
Hs.574082	11.64	chr12	N/A	3	74.55
Hs.601560	11.64	chr6	N/A	7	46.52
Hs.182514	11.64	chr2	N/A	1	0.00
Hs.733119	11.64	chr17	N/A	8	66.60
Hs.158672	11.64	chr17	N/A	3	55.59
OR5D16	11.64	chr11	11q11	9	71.26
LINC00629	11.64	chrX	N/A	1	0.00
Hs.613614	11.64	chr3	N/A	5	80.37
PITRM1-AS1	11.64	chr10	N/A	1	0.00
GPR65	11.64	chr14	14q31-q32.1	40	95.28
Hs.683386	11.64	chr5	N/A	1	0.00
Hs.541983	11.64	chr2	N/A	3	60.70
Hs.599338	11.63	chr9	N/A	5	43.51
Hs.134920	11.63	chr13	N/A	10	66.68
Hs.116215	11.63	chr3	N/A	1	0.00
Hs.666187	11.63	chr1	N/A	3	63.88
NLRP7	11.63	chr19	19q13.42	22	126.33
Hs.660904	11.63	chr9	N/A	18	82.40
Hs.733911	11.63	chr11	N/A	5	43.15
LINC00052	11.63	chr15	15q25.3	27	83.35
Hs.543872	11.63	chr5	N/A	3	33.52
OR2A7	11.63	chr7	7q35	19	54.93
Hs.606508	11.63	chr16	N/A	1	0.00
Hs.580860	11.63	chr21	N/A	3	59.02
KCNS2	11.63	chr8	8q22	26	112.51
Hs.38894	11.63	chr2	N/A	11	56.91
Hs.150679	11.63	chr1	N/A	3	92.43
Hs.547715	11.62	chr6	N/A	3	73.56
Hs.605537	11.62	chr1	N/A	3	58.50
Hs.611657	11.62	chr16	N/A	3	23.95
Hs.580865	11.62	chr21	N/A	3	54.04
Hs.657837	11.62	chr5	N/A	2	28.71
Hs.162105	11.62	chr19	N/A	10	40.30
Hs.659593	11.62	chr2	N/A	2	36.05
Hs.605520	11.62	chr15	N/A	10	15.30

Hs.587205	11.62	chr3	N/A	1	0.00
Hs.546316	11.62	chr1	N/A	8	34.80
LINC00703	11.62	chr10	N/A	1	0.00
KIF2B	11.62	chr17	17q22	22	122.22
Hs.656373	11.62	chr3	N/A	8	106.59
Hs.595754	11.62	chr19	N/A	15	80.92
Hs.662688	11.62	chr12	N/A	15	88.68
Hs.363342	11.62	chr12	N/A	8	102.76
MUC17	11.62	chr7	7q22.1	55	140.96
LOC100996601	11.61	chr9	N/A	20	36.39
Hs.583015	11.61	chr6	N/A	3	36.98
Hs.655817	11.61	chr1	N/A	7	72.77
CABP2	11.61	chr11	11q13.1	27	104.01
Hs.548645	11.61	chr2	N/A	3	8.37
Hs.144776	11.61	chr11	N/A	3	66.93
Hs.672238	11.61	chr13	N/A	1	0.00
Hs.546047	11.61	chrX	N/A	3	45.23
LOC100507283	11.61	chr11	N/A	2	96.85
Hs.529102	11.61	chr19	N/A	3	94.28
Hs.668567	11.61	chr2	N/A	7	97.51
Hs.657706	11.61	chr12	N/A	1	0.00
GRIK2	11.61	chr6	6q16.3	77	101.56
Hs.660293	11.61	chr7	N/A	3	95.44
Hs.603973	11.61	chr21	N/A	7	47.85
MTMR7	11.61	chr8	8p22	34	89.13
Hs.570372	11.61	chr20	N/A	2	60.74
ZNF80	11.61	chr3	3q13.3	24	81.62
Hs.569055	11.61	chr11	N/A	13	108.31
Hs.512886	11.61	chr15	N/A	3	17.75
GATA1	11.61	chrX	Xp11.23	31	101.92
Hs.544037	11.61	chr5	N/A	3	110.28
LOC646626	11.61	chr1	1p22.3	9	102.24
RGPD6	11.61	chr2	2q13	5	38.60
Hs.545153	11.61	chr7	N/A	3	81.08
CALCB	11.61	chr11	11p15.2-p15.1	26	65.04
Hs.145476	11.60	chr1	N/A	5	63.99
Hs.517463	11.60	chr1	N/A	3	38.30
Hs.576748	11.60	chr10	N/A	3	51.20
Hs.150092	11.60	chr5	N/A	11	84.96
Hs.555149	11.60	chr14	N/A	3	38.93
Hs.26038	11.60	chr14	N/A	3	28.24
Hs.471111	11.60	chr11	N/A	10	70.03
Hs.538774	11.60	chr13	N/A	3	65.23
OR1A2	11.60	chr17	17p13.3	21	70.62
SNORD15B	11.60	chr11	11q13.4	3	69.52
Hs.738340	11.60	chr14	N/A	3	20.15
Hs.520759	11.60	chr7	N/A	3	19.26
Hs.537721	11.60	chr1	N/A	3	27.07
Hs.664824	11.60	chr13	N/A	8	97.42
Hs.479744	11.60	chr4	N/A	3	104.41
Hs.148477	11.60	chr2	N/A	6	64.94
Hs.566302	11.60	chr5	N/A	3	63.09
Hs.221037	11.60	chr11	N/A	1	0.00
Hs.569296	11.60	chr13	N/A	3	37.93
Hs.26454	11.59	chr11	N/A	7	58.53
Hs.542967	11.59	chr3	N/A	3	73.57
Hs.720948	11.59	chr4	N/A	4	30.62
Hs.657700	11.59	chr9	N/A	7	42.80
PDZK1IP1	11.59	chr1	1p33	48	116.88
Hs.646379	11.59	chr19	N/A	2	18.44
GIF	11.59	chr11	11q13	23	84.23
Hs.544214	11.59	chr5	N/A	3	37.25
Hs.604210	11.59	chr13	N/A	7	126.58
C1orf94	11.59	chr1	1p34.3	19	42.10
Hs.543221	11.59	chr3	N/A	3	73.14
MS4A5	11.59	chr11	11q12	28	85.07

Hs.571399	11.58	chr8	N/A	2	98.83
Hs.211626	11.58	chr5	N/A	11	133.38
Hs.619406	11.58	chr21	N/A	3	31.79
Hs.641709	11.58	chr13	N/A	3	70.85
LINC00161	11.58	chr21	21q21.3	10	172.05
DMP1	11.58	chr4	4q21	38	118.70
ZNF663	11.58	chr20	20q13.12	6	49.02
Hs.542310	11.58	chr20	N/A	3	1.08
TRPC4	11.58	chr13	13q13.3	30	106.68
C1orf228	11.58	chr1	1p34.1	28	170.61
SHISA7	11.58	chr19	19q13.42	8	44.22
Hs.633195	11.58	chr16	N/A	8	45.20
Hs.600569	11.58	chr22	N/A	7	135.09
SNAI3	11.58	chr16	16q24.3	16	37.07
RNF182	11.58	chr6	6p23	16	55.20
Hs.545650	11.58	chr9	N/A	3	28.16
Hs.527860	11.58	chr12	N/A	13	69.28
Hs.439198	11.58	chrX	N/A	3	18.03
Hs.542850	11.57	chr3	N/A	3	57.28
Hs.582536	11.57	chr5	N/A	3	50.27
Hs.436903	11.57	chr9	N/A	3	11.93
Hs.667024	11.57	chr13	N/A	3	135.05
Hs.684459	11.57	chr8	N/A	1	0.00
LOC100129775	11.57	chr11	11q13.5	20	37.42
OR51B6	11.57	chr11	11p15.4	4	83.64
SLC25A5-AS1	11.57	chrX	N/A	12	74.67
LOC100128239	11.57	chr11	11q25	21	111.29
Hs.432085	11.57	chr14	N/A	10	73.77
Hs.653197	11.57	chr17	N/A	1	0.00
Hs.403452	11.57	chr16	N/A	3	46.89
Hs.729162	11.57	chr12	N/A	7	31.93
Hs.574131	11.57	chr14	N/A	3	30.97
UCP1	11.57	chr4	4q28-q31	21	76.95
Hs.136017	11.57	chr2	N/A	4	82.34
Hs.146958	11.57	chr15	N/A	7	42.31
Hs.70835	11.57	chr15	N/A	10	84.37
Hs.584143	11.57	chr9	N/A	3	54.04
Hs.369970	11.57	chr1	N/A	2	11.07
ZNF546	11.57	chr19	19q13.2	57	71.61
Hs.584214	11.56	chr9	N/A	3	60.61
Hs.661097	11.56	chr2	N/A	3	61.97
SNORA28	11.56	chr14	14q32.32	8	64.35
Hs.555167	11.56	chr19	N/A	3	71.79
Hs.582737	11.56	chr6	N/A	3	20.02
Hs.611058	11.56	chr4	N/A	3	48.58
Hs.565647	11.56	chr20	N/A	3	59.93
Hs.543494	11.56	chr4	N/A	3	53.58
Hs.658717	11.56	chr4	N/A	7	113.31
Hs.604844	11.56	chr2	N/A	4	33.21
MREG	11.56	chr2	2q35	46	98.80
LINC00159	11.56	chr21	21q22.11	3	58.60
Hs.63187	11.56	chr19	N/A	11	166.12
SLC30A10	11.56	chr1	1q41	28	103.11
Hs.667450	11.56	chr16	N/A	2	85.45
Hs.604440	11.56	chr3	N/A	7	60.12
LOC646588	11.56	chr7	7p15.2	10	93.11
Hs.577061	11.55	chr11	N/A	3	88.44
Hs.662669	11.55	chr9	N/A	10	44.78
Hs.673776	11.55	chr3	N/A	1	0.00
CFLAR-AS1	11.55	chr2	2q33	8	80.97
Hs.498118	11.55	chr1	N/A	3	65.77
SERPIND1	11.55	chr22	22q11.21	129	52.29
FGF19	11.55	chr11	11q13.1	29	58.26
RAB44	11.55	chr6	6p21.31-p21.2	5	51.90
Hs.659784	11.55	chr8	N/A	11	132.17
C11orf44	11.55	chr11	11q24.3	17	61.07

Hs.703676	11.55	chr3	N/A	1	0.00
Hs.667579	11.54	chr18	N/A	1	0.00
Hs.538186	11.54	chr1	N/A	3	111.81
LINC00672	11.54	chr17	N/A	44	61.98
LOC401463	11.54	chr8	8q12.3	4	34.88
SOX30	11.54	chr5	5q33	43	93.18
Hs.541477	11.54	chr2	N/A	3	53.61
Hs.495200	11.54	chr14	N/A	3	77.41
C4BPB	11.54	chr1	1q32	39	82.28
OR2AT4	11.54	chr11	11q13.4	5	33.92
Hs.548368	11.54	chr12	N/A	3	39.67
Hs.657381	11.54	chr16	N/A	1	0.00
Hs.571592	11.54	chr9	N/A	3	33.65
Hs.540724	11.54	chr17	N/A	10	104.23
GNRHR	11.54	chr4	4q21.2	43	123.39
CDX1	11.54	chr5	5q32	42	58.22
Hs.259477	11.54	chr2	N/A	3	44.97
Hs.577763	11.54	chr12	N/A	3	64.74
Hs.662809	11.54	chr5	N/A	8	81.27
Hs.590945	11.53	chr19	N/A	3	49.27
GSX2	11.53	chr4	4q12	21	85.80
Hs.573440	11.53	chr8	N/A	3	42.83
Hs.696479	11.53	chr7	N/A	1	0.00
Hs.559611	11.53	chr1	N/A	3	43.64
Hs.377087	11.53	chr22	N/A	7	67.50
Hs.650139	11.53	chr10	N/A	1	0.00
Hs.610691	11.53	chr12	N/A	4	58.11
LOC728431	11.53	chr1	1p34.3	16	91.24
Hs.545460	11.53	chr8	N/A	3	42.21
Hs.584109	11.53	chr9	N/A	3	8.16
Hs.587203	11.53	chr3	N/A	1	0.00
LINC00244	11.53	chr7	7q36	8	64.31
APOL5	11.53	chr22	22q12.3	21	54.99
Hs.633108	11.53	chr5	N/A	10	43.05
Hs.129523	11.53	chr1	N/A	10	104.59
Hs.661324	11.53	chr4	N/A	15	87.02
Hs.562383	11.53	chr11	N/A	2	45.32
SPANXA2	11.53	chrX	Xq27.1	3	49.96
Hs.540157	11.53	chr15	N/A	3	86.30
Hs.282107	11.53	chr12	N/A	4	91.61
LOC340073	11.53	chr5	5q31.2	20	111.97
Hs.310451	11.53	chr21	N/A	3	30.44
Hs.563138	11.52	chr3	N/A	10	109.32
Hs.298680	11.52	chr8	N/A	3	21.16
Hs.541494	11.52	chr2	N/A	5	50.09
RNF186	11.52	chr1	1p36.13	35	114.03
Hs.603655	11.52	chr1	N/A	2	1.92
Hs.581088	11.52	chr22	N/A	3	74.42
Hs.541921	11.52	chr2	N/A	3	50.31
KRTAP5-10	11.52	chr11	11q13.4	3	56.09
Hs.540637	11.52	chr16	N/A	10	53.43
Hs.561752	11.52	chr7	N/A	3	25.59
Hs.576067	11.52	chr1	N/A	3	24.86
TSSK4	11.51	chr14	14q12	28	106.13
TM4SF4	11.51	chr3	3q25	33	87.72
Hs.586293	11.51	chr7	N/A	3	40.24
Hs.563031	11.51	chr21	N/A	3	51.57
MACROD2	11.51	chr20	20p12.1	54	74.73
Hs.565858	11.51	chr3	N/A	3	43.16
Hs.656040	11.51	chr13	N/A	1	0.00
Hs.269363	11.51	chr11	N/A	3	25.16
Hs.519436	11.51	chr5	N/A	5	68.47
TMEM229B	11.51	chr14	14q24.1	33	87.55
Hs.577449	11.51	chr12	N/A	3	52.96
Hs.660744	11.51	chr9	N/A	8	59.87
AMER2	11.51	chr13	13q12.13	43	138.63

Hs.539689	11.51	chr13	N/A	3	61.10
KRT6C	11.51	chr12	12q13.13	28	72.25
FAM19A5	11.51	chr22	22q13.32	35	102.34
Hs.737204	11.51	chr10	N/A	3	38.44
LOC100132707	11.50	chr7	7q36.2	9	71.99
NPVF	11.50	chr7	7p21-p15	28	90.91
Hs.556035	11.50	chr7	N/A	18	56.99
Hs.635311	11.50	chr19	N/A	7	56.21
C12orf71	11.50	chr12	12p11.23	3	31.66
LY6G6F	11.50	chr6	6p21	14	38.04
IFIT1B	11.50	chr10	10q23.31	8	131.76
Hs.539063	11.50	chr11	N/A	3	15.05
Hs.661406	11.50	chr4	N/A	15	61.52
Hs.598983	11.50	chr6	N/A	1	0.00
Hs.547957	11.50	chr13	N/A	3	74.70
ACTRT2	11.50	chr1	1p36.32	19	48.90
Hs.541927	11.50	chr2	N/A	3	46.30
RIT2	11.50	chr18	18q12.3	38	78.77
Hs.580140	11.50	chr2	N/A	3	47.17
RPGRIP1L	11.49	chr16	16q12.2	44	108.50
Hs.604202	11.49	chrX	N/A	7	91.91
Hs.659938	11.49	chr10	N/A	7	57.07
CCDC18	11.49	chr1	1p22.1	13	65.17
UNC79	11.49	chr14	14q32.12	41	125.81
Hs.563592	11.49	chr9	N/A	3	19.29
LOC100507261	11.49	chr11	N/A	8	92.28
LOC642776	11.49	chrX	Xq23	4	64.33
RGPD8	11.49	chr2	2q13	2	8.36
Hs.734189	11.49	chr21	N/A	7	73.53
MYLK-AS1	11.49	chr3	3q21	15	105.36
Hs.371279	11.49	chr12	N/A	1	0.00
Hs.607327	11.49	chr9	N/A	10	182.13
Hs.737677	11.49	chr17	N/A	3	127.42
LOC100288860	11.49	chr19	19q13.11	11	120.85
Hs.580616	11.49	chr2	N/A	3	67.35
Hs.555138	11.48	chr12	N/A	10	94.07
Hs.656304	11.48	chr10	N/A	7	40.86
Hs.683429	11.48	chr2	N/A	1	0.00
POTEG	11.48	chr14	14q11.2	24	250.50
Hs.616599	11.48	chr15	N/A	7	49.88
VPREB1	11.48	chr22	22q11.22	21	109.31
IFNA6	11.48	chr9	9p22	23	102.60
LOC100506498	11.48	chr14	N/A	1	0.00
LOC284837	11.48	chr21	21q22.3	10	65.93
HUNK	11.48	chr21	21q22.1	39	88.46
Hs.540209	11.47	chr15	N/A	3	35.60
Hs.575871	11.47	chr1	N/A	3	87.99
Hs.741940	11.47	chr14	N/A	1	0.00
Hs.101773	11.47	chr4	N/A	10	64.73
CCDC147	11.47	chr10	10q25.1	23	128.50
Hs.736980	11.47	chr20	N/A	1	0.00
Hs.541748	11.47	chr2	N/A	3	46.73
PSG5	11.47	chr19	19q13.2	47	95.27
C13orf35	11.47	chr13	13q34	3	57.18
Hs.17529	11.47	chr16	N/A	18	65.54
Hs.670198	11.47	chr15	N/A	1	0.00
Hs.743944	11.47	chr9	N/A	14	50.05
NPY2R	11.47	chr4	4q31	35	141.97
Hs.585761	11.47	chr16	N/A	3	31.04
Hs.544538	11.47	chr6	N/A	3	36.02
WDR11-AS1	11.46	chr10	10q26.13	15	73.76
Hs.734839	11.46	chr4	N/A	3	68.78
Hs.516786	11.46	chr2	N/A	3	44.35
LOC285423	11.46	chr4	4q31.23	11	102.51
Hs.208219	11.46	chr17	N/A	8	49.82
DUXA	11.46	chr19	19q13.43	3	43.19

Hs.650541	11.46	chr9	N/A	3	74.95
Hs.660688	11.46	chr20	N/A	1	0.00
Hs.663373	11.46	chr18	N/A	8	82.33
LOC728175	11.46	chr4	4q35.1	29	47.63
Hs.160228	11.46	chr6	N/A	3	27.64
GOLGA6L2	11.46	chr15	15q11.2	21	71.36
Hs.545305	11.45	chr8	N/A	3	24.64
Hs.657666	11.45	chr3	N/A	18	89.64
LOC100505588	11.45	chr9	N/A	3	43.41
RAET1E	11.45	chr6	6q25.1	19	66.62
CCSER1	11.45	chr4	4q22.1	16	94.57
Hs.282040	11.45	chr3	N/A	3	63.55
Hs.539205	11.45	chr12	N/A	5	47.61
STXBP2	11.45	chr19	19p13.3-p13.2	41	106.59
Hs.732424	11.45	chr1	N/A	7	70.38
Hs.559770	11.45	chr1	N/A	3	36.32
ATP2A1	11.45	chr16	16p12.1	35	71.76
Hs.542725	11.45	chr22	N/A	3	19.10
OR14C36	11.45	chr1	1q44	8	59.73
C15orf60	11.45	chr15	15q22	21	92.86
Hs.557520	11.45	chr2	N/A	3	72.27
Hs.658624	11.44	chr16	N/A	1	0.00
Hs.664595	11.44	chr3	N/A	15	93.34
Hs.538381	11.44	chr10	N/A	3	73.96
SPTA1	11.44	chr1	1q21	58	76.11
RHCG	11.44	chr15	15q25	28	69.55
Hs.459526	11.44	chr1	N/A	3	54.55
Hs.602619	11.44	chr14	N/A	7	59.80
Hs.651419	11.44	chr9	N/A	6	59.34
Hs.677036	11.44	chr1	N/A	1	0.00
Hs.569280	11.44	chr13	N/A	3	52.73
Hs.567192	11.44	chr1	N/A	3	88.29
Hs.370387	11.44	chr12	N/A	3	43.02
Hs.732266	11.44	chr2	N/A	1	0.00
Hs.334096	11.44	chr5	N/A	3	41.48
LOC645427	11.44	chr17	17p11.2	13	43.35
Hs.18723	11.44	chr4	N/A	3	61.97
Hs.130130	11.44	chr18	N/A	5	87.45
NPAS1	11.44	chr19	19q13.2-q13.3	35	140.21
SMTNL1	11.43	chr11	11q12.1	4	57.81
LOC100507498	11.43	chr12	N/A	11	106.09
GPR174	11.43	chrX	Xq21.1	24	82.34
Hs.179238	11.43	chr8	N/A	7	65.13
LOC100996486	11.43	chr1	N/A	1	0.00
Hs.97967	11.43	chr8	N/A	7	121.80
Hs.116155	11.43	chr7	N/A	7	110.85
Hs.156328	11.43	chr14	N/A	3	87.89
TTY6	11.43	chrY	Yq11.223	19	95.53
FBXO15	11.43	chr18	18q22.3	26	189.76
ONECUT1	11.43	chr15	15q21.3	33	74.15
Hs.667572	11.43	chr7	N/A	8	132.82
Hs.674822	11.43	chr9	N/A	5	17.47
C15orf48	11.43	chr15	15q21.1	32	64.06
Hs.637922	11.43	chr15	N/A	3	80.50
Hs.589927	11.43	chr22	N/A	4	47.40
PRKAG2-AS1	11.42	chr7	N/A	20	101.30
Hs.603628	11.42	chr3	N/A	3	15.08
Hs.659830	11.42	chr1	N/A	6	55.45
KRTAP25-1	11.42	chr21	21q22.11	3	103.67
HESX1	11.42	chr3	3p14.3	37	113.02
Hs.276854	11.42	chr3	N/A	3	62.37
Hs.679227	11.42	chrX	N/A	3	90.70
Hs.439865	11.42	chr10	N/A	3	21.45
Hs.656179	11.42	chr6	N/A	7	37.23
Hs.603041	11.42	chr1	N/A	3	56.13
Hs.26617	11.42	chr19	N/A	5	82.54

OLIG1	11.42	chr21	21q22.11	36	55.31
Hs.601130	11.42	chr10	N/A	7	69.59
Hs.641153	11.42	chr10	N/A	3	89.37
Hs.544762	11.42	chr6	N/A	3	52.75
Hs.600479	11.42	chr4	N/A	7	71.59
Hs.703057	11.42	chr12	N/A	2	21.73
Hs.546008	11.41	chrX	N/A	3	32.05
MAS1	11.41	chr6	6q25.3-q26	23	135.10
Hs.518179	11.41	chr3	N/A	7	63.50
Hs.574754	11.41	chr2	N/A	3	37.84
Hs.545054	11.41	chr7	N/A	10	89.77
CRX	11.41	chr19	19q13.3	41	83.56
Hs.112679	11.41	chr7	N/A	10	89.53
Hs.594059	11.41	chr17	N/A	8	61.51
Hs.539639	11.41	chr13	N/A	10	77.59
ZNF705G	11.41	chr8	8p23.1	1	0.00
Hs.658344	11.41	chr17	N/A	4	113.73
Hs.651482	11.41	chr8	N/A	5	63.51
Hs.601172	11.41	chr5	N/A	5	109.48
Hs.200764	11.41	chr2	N/A	3	83.77
Hs.603514	11.41	chr3	N/A	2	62.98
DIO1	11.41	chr1	1p33-p32	36	93.95
Hs.561867	11.41	chr8	N/A	3	41.00
Hs.544400	11.41	chr6	N/A	3	74.24
Hs.124532	11.41	chr21	N/A	3	81.11
LY9	11.41	chr1	1q23.3	49	113.50
PRDM15	11.41	chr21	21q22.3	47	103.74
Hs.552144	11.41	chr8	N/A	3	51.81
IL36RN	11.40	chr2	2q14	37	85.47
Hs.659371	11.40	chr2	N/A	14	37.32
Hs.657150	11.40	chr6	N/A	7	34.31
C10orf90	11.40	chr10	10q26.2	34	110.78
Hs.595851	11.40	chr2	N/A	9	66.82
CT47B1	11.40	chrX	Xq24	6	67.62
Hs.567032	11.40	chr9	N/A	3	38.58
PCDH10	11.40	chr4	4q28.3	47	71.00
LOC100505948	11.40	chr16	N/A	7	103.14
Hs.602489	11.40	chr4	N/A	1	0.00
RSPO4	11.40	chr20	20p13	12	58.72
Hs.664643	11.40	chr13	N/A	7	146.29
Hs.649874	11.40	chr16	N/A	12	106.90
MCM10	11.40	chr10	10p13	36	76.38
Hs.680109	11.40	chr3	N/A	11	42.79
Hs.562139	11.40	chr1	N/A	3	78.31
Hs.139204	11.40	chr3	N/A	3	39.89
Hs.662746	11.40	chr15	N/A	2	108.35
CAPS2	11.39	chr12	12q14.1	30	67.21
Hs.666789	11.39	chr15	N/A	2	45.52
SLFN13	11.39	chr17	17q12	34	106.29
Hs.666883	11.39	chr1	N/A	2	53.54
Hs.274150	11.39	chr8	N/A	11	51.57
Hs.584425	11.39	chrX	N/A	3	51.04
Hs.733822	11.39	chr10	N/A	1	0.00
Hs.660444	11.39	chr6	N/A	7	71.77
Hs.566661	11.39	chr7	N/A	3	55.08
Hs.118609	11.39	chr1	N/A	11	144.78
Hs.656894	11.39	chr20	N/A	7	128.10
SNORA26	11.39	chr4	4q12	17	87.11
Hs.602371	11.38	chr9	N/A	7	83.22
Hs.171480	11.38	chr1	N/A	1	0.00
Hs.541587	11.38	chr2	N/A	3	71.60
TTY18	11.38	chrY	Yp11.2	6	47.98
Hs.368271	11.38	chr12	N/A	3	51.47
LOC253573	11.38	chr3	3q27.3	6	83.21
SYT6	11.38	chr1	1p13.2	30	105.16
GPR98	11.38	chr5	5q13	74	140.66

Hs.563840	11.38	chr1	N/A	3	42.70
Hs.630806	11.37	chr19	N/A	1	0.00
Hs.572681	11.37	chr2	N/A	3	18.54
Hs.639955	11.37	chr6	N/A	3	22.63
Hs.577393	11.37	chr12	N/A	3	116.57
Hs.658551	11.37	chr7	N/A	8	110.20
Hs.652078	11.37	chr6	N/A	3	38.38
Hs.543205	11.37	chr3	N/A	3	64.69
Hs.661493	11.37	chr5	N/A	14	95.24
NEUROD6	11.37	chr7	7p14.3	21	99.59
BFSP2	11.37	chr3	3q22.1	34	109.27
Hs.598666	11.37	chr9	N/A	7	74.33
Hs.543495	11.37	chr4	N/A	5	91.43
Hs.368354	11.37	chr1	N/A	3	91.43
Hs.658877	11.37	chr14	N/A	3	76.79
Hs.660593	11.37	chr14	N/A	2	54.36
Hs.638939	11.37	chr6	N/A	4	30.82
Hs.734602	11.37	chr1	N/A	1	0.00
VWDE	11.36	chr7	7p21.3	29	94.25
Hs.539557	11.36	chr13	N/A	3	42.10
Hs.662003	11.36	chr1	N/A	1	0.00
Hs.732604	11.36	chr13	N/A	3	106.82
OR4C6	11.36	chr11	11q11	3	76.12
LOC284551	11.36	chr1	1p35.2	1	0.00
C7orf69	11.36	chr7	7p12.3	21	211.96
PRAMEF7	11.36	chr1	1p36.21	9	87.31
Hs.127735	11.36	chr7	N/A	15	68.56
KLRC3	11.36	chr12	12p13	36	126.53
ABCA7	11.36	chr19	19p13.3	63	84.99
Hs.536928	11.36	chr8	N/A	5	96.37
LOC100996266	11.36	chr7	N/A	3	38.88
C8G	11.36	chr9	9q34.3	23	67.15
DNAI1	11.36	chr9	9p13.3	29	86.73
FOXJ1	11.36	chr17	17q25.1	40	62.45
Hs.598313	11.36	chr9	N/A	3	103.02
DZANK1	11.36	chr20	20p11.23	63	76.13
Hs.668408	11.36	chr12	N/A	5	78.69
Hs.565741	11.35	chr21	N/A	10	84.21
Hs.664703	11.35	chr14	N/A	7	50.76
Hs.715054	11.35	chr12	N/A	3	20.91
Hs.192497	11.35	chr12	N/A	3	62.96
LINC00205	11.35	chr21	21q22.3	14	39.14
Hs.391527	11.35	chr6	N/A	11	59.63
Hs.150093	11.35	chr21	N/A	10	84.47
LINC00539	11.35	chr13	N/A	9	53.25
LOC644135	11.35	chr6	6q23.3	24	84.75
Hs.651492	11.35	chr7	N/A	10	67.06
LOC100506999	11.35	chr14	N/A	8	150.11
Hs.128539	11.35	chr11	N/A	2	41.82
Hs.538948	11.35	chr11	N/A	3	66.49
Hs.713069	11.35	chr20	N/A	10	67.03
Hs.253767	11.35	chr2	N/A	1	0.00
SUN3	11.35	chr7	7p12.3	20	175.89
MYH4	11.35	chr17	17p13.1	20	88.19
CRISP2	11.35	chr6	6p12.3	28	100.03
Hs.596872	11.35	chr4	N/A	1	0.00
Hs.12249	11.34	chr1	N/A	8	86.02
CMTM1	11.34	chr16	16q21	36	69.21
TMEM255A	11.34	chrX	Xq24	31	86.26
ZBTB32	11.34	chr19	19q13.1	28	159.96
GRTP1	11.34	chr13	13q34	39	90.59
Hs.517505	11.34	chr22	N/A	3	48.43
DOC2A	11.34	chr16	16p11.2	33	102.92
KCNIP1	11.34	chr5	5q35.1	27	159.56
GPC5	11.34	chr13	13q32	70	114.52
Hs.436898	11.34	chr5	N/A	8	69.49

Hs.650424	11.34	chr9	N/A	3	104.77
GPR158	11.34	chr10	10p12.1	33	78.28
VEPH1	11.34	chr3	3q24-q25	59	128.87
Hs.450953	11.34	chr13	N/A	10	63.86
Hs.602351	11.33	chr3	N/A	14	62.64
UNCX	11.33	chr7	7p22.3	3	18.48
Hs.595974	11.33	chr4	N/A	7	101.39
FAM229A	11.33	chr1	1p35.1	16	72.41
Hs.603800	11.33	chr3	N/A	13	59.98
Hs.554463	11.33	chr5	N/A	3	57.06
CASC2	11.33	chr10	10q26.11	51	106.35
Hs.333285	11.33	chr5	N/A	3	16.75
Hs.558288	11.33	chr9	N/A	3	43.96
CCKBR	11.33	chr11	11p15.4	37	87.74
Hs.543896	11.33	chr5	N/A	3	64.07
Hs.664105	11.33	chr9	N/A	18	127.46
Hs.544959	11.33	chr7	N/A	5	92.70
Hs.658761	11.33	chr1	N/A	7	88.21
Hs.664994	11.33	chr12	N/A	1	0.00
LOC100507140	11.33	chr2	2q33	24	106.17
Hs.666014	11.33	chr7	N/A	7	50.38
FLJ20712	11.33	chr7	7p14.3	27	87.57
Hs.602650	11.33	chr10	N/A	7	46.99
C9orf84	11.32	chr9	9q31.3	33	102.92
Hs.605323	11.32	chr7	N/A	4	72.26
Hs.712976	11.32	chr2	N/A	17	74.39
AGBL1	11.32	chr15	15q25.3	20	46.33
ANKRD7	11.32	chr7	7q31	35	69.91
Hs.129355	11.32	chr1	N/A	3	28.82
Hs.744149	11.32	chr11	N/A	1	0.00
Hs.255315	11.32	chr1	N/A	3	45.21
Hs.581656	11.32	chr3	N/A	3	65.86
MACC1-AS1	11.32	chr7	N/A	2	27.39
Hs.635579	11.32	chr4	N/A	3	67.60
Hs.128668	11.32	chr8	N/A	14	72.54
CDCP1	11.32	chr3	3p21.31	52	92.61
LOC100506188	11.32	chr6	N/A	7	74.75
BEST3	11.32	chr12	12q14.2-q15	78	101.74
Hs.542622	11.32	chr21	N/A	10	91.35
Hs.572687	11.32	chr2	N/A	7	127.97
Hs.634915	11.32	chr1	N/A	8	44.61
Hs.658974	11.32	chr11	N/A	8	39.71
Hs.601013	11.32	chr6	N/A	7	126.72
OR4F15	11.31	chr15	15q26.3	8	91.45
Hs.552307	11.31	chr1	N/A	3	86.57
Hs.599799	11.31	chr7	N/A	7	51.15
LINC00892	11.31	chrX	Xq26.3	2	92.68
Hs.583932	11.31	chr8	N/A	3	93.94
Hs.640612	11.31	chr9	N/A	3	61.21
LOC100507652	11.31	chr1	N/A	11	43.11
Hs.254485	11.31	chr14	N/A	3	27.30
PRSS38	11.31	chr1	1q42.13	18	136.96
Hs.580965	11.31	chr22	N/A	3	20.48
PRR26	11.31	chr10	10p15.3	5	98.01
Hs.538997	11.31	chr11	N/A	7	51.13
Hs.97954	11.31	chr12	N/A	3	14.43
Hs.658592	11.31	chr11	N/A	3	74.73
NRG3	11.31	chr10	10q22-q23	18	79.10
Hs.664325	11.31	chr1	N/A	7	86.45
PCDHB8	11.31	chr5	5q31	21	51.06
Hs.734457	11.31	chr11	N/A	1	0.00
Hs.583974	11.31	chr8	N/A	3	57.15
LINC00521	11.31	chr14	14q32.12	29	147.98
SOX5	11.30	chr12	12p12.1	65	137.48
Hs.513932	11.30	chr17	N/A	3	78.70
Hs.663147	11.30	chr2	N/A	7	92.31

TREX2	11.30	chrX	Xq28	20	186.06
C1orf116	11.30	chr1	1q32.1	60	63.04
FBXL8	11.30	chr16	16q22.1	21	79.41
Hs.444651	11.30	chr1	N/A	7	89.22
Hs.658477	11.30	chr19	N/A	8	53.11
Hs.691665	11.30	chr7	N/A	1	0.00
Hs.582005	11.30	chr4	N/A	3	37.37
Hs.721172	11.30	chr13	N/A	7	138.12
GDF6	11.30	chr8	8q22.1	29	69.69
Hs.666700	11.30	chr12	N/A	7	77.64
LOC100505664	11.30	chr20	N/A	4	90.82
RASSF6	11.30	chr4	4q13.3	44	141.82
Hs.744322	11.29	chr17	N/A	7	66.65
NMU	11.29	chr4	4q12	30	89.99
UBASH3B	11.29	chr11	11q24.1	48	88.57
Hs.542166	11.29	chr2	N/A	10	98.39
Hs.555239	11.29	chr8	N/A	3	81.51
SERPINB5	11.29	chr18	18q21.33	58	291.78
Hs.196133	11.29	chr11	N/A	4	73.12
SPAG5-AS1	11.29	chr17	N/A	12	40.07
SPATA16	11.29	chr3	3q26.31	26	134.84
Hs.732963	11.29	chr3	N/A	1	0.00
PAQR5	11.29	chr15	15q23	35	66.46
Hs.687700	11.29	chr5	N/A	2	33.01
Hs.544133	11.29	chr5	N/A	3	4.76
Hs.116473	11.29	chr6	N/A	3	57.32
LOC254028	11.29	chr14	14q11.2	4	54.21
Hs.575652	11.29	chr9	N/A	5	48.51
ZNF684	11.29	chr1	1p34.2	23	65.85
Hs.554330	11.29	chr8	N/A	10	47.27
Hs.648714	11.29	chr16	N/A	1	0.00
Hs.602692	11.29	chr10	N/A	3	73.10
RGS17	11.29	chr6	6q25.3	42	161.07
Hs.657873	11.28	chr15	N/A	8	52.48
Hs.576474	11.28	chr1	N/A	3	59.11
KRTAP4-4	11.28	chr17	17q12-q21	19	113.87
Hs.543575	11.28	chr4	N/A	3	43.56
Hs.735429	11.28	chr4	N/A	3	37.96
OR2M2	11.28	chr1	1q44	16	46.74
Hs.130213	11.28	chr3	N/A	25	120.68
OR2M7	11.28	chr1	1q44	5	126.21
Hs.544261	11.28	chr5	N/A	10	104.96
Hs.105102	11.28	chr2	N/A	10	116.59
OR9G1	11.28	chr11	11q12.1	12	53.71
Hs.653006	11.28	chr5	N/A	3	83.33
Hs.648443	11.28	chr18	N/A	10	44.58
Hs.584273	11.28	chr9	N/A	3	14.90
GUCY2D	11.28	chr17	17p13.1	23	77.74
Hs.543116	11.28	chr3	N/A	3	113.41
SYCE1	11.28	chr10	10q26.3	34	141.11
Hs.148205	11.28	chr18	N/A	3	79.94
SIGLEC8	11.27	chr19	19q13.33-q13.41	31	65.18
Hs.604124	11.27	chr7	N/A	2	96.82
AVPR1A	11.27	chr12	12q14-q15	63	73.83
TCL1B	11.27	chr14	14q32.1	31	56.51
EXOC3L4	11.27	chr14	14q32.32	12	80.58
KIF19	11.27	chr17	17q25.1	32	104.00
Hs.544967	11.27	chr7	N/A	3	20.95
Hs.128021	11.27	chr10	N/A	2	96.92
Hs.733473	11.27	chr12	N/A	7	44.98
Hs.637636	11.27	chr4	N/A	1	0.00
Hs.655905	11.27	chr19	N/A	3	13.45
Hs.202321	11.27	chr14	N/A	3	33.07
LINC00466	11.27	chr1	1p31.3	18	77.68
Hs.532326	11.27	chrX	N/A	18	96.55
Hs.513013	11.27	chr15	N/A	2	15.55

CHRFAM7A	11.27	chr15	15q13.1	14	109.07
LOC100507637	11.26	chr22	N/A	12	38.60
TMEM191B	11.26	chr22	22q11.21	12	53.70
FOXD4L1	11.26	chr2	2q13	9	38.76
Hs.121473	11.26	chr1	N/A	3	46.13
Hs.734248	11.26	chr14	N/A	2	80.57
Hs.637141	11.26	chr8	N/A	3	46.37
Hs.566687	11.26	chr7	N/A	3	69.79
Hs.738949	11.26	chr14	N/A	3	58.72
LRRC2-AS1	11.26	chr3	3p21.3	10	36.74
Hs.572887	11.26	chr22	N/A	4	57.12
Hs.592974	11.26	chr9	N/A	13	107.48
BPI	11.26	chr20	20q11.23	40	124.25
FAM83E	11.26	chr19	19q13.33	20	96.02
CNGA2	11.26	chrX	Xq27	8	69.73
Hs.710276	11.26	chr2	N/A	3	12.72
SOSTDC1	11.25	chr7	7p21.1	30	82.30
Hs.144783	11.25	chr9	N/A	2	20.01
Hs.667702	11.25	chr8	N/A	1	0.00
Hs.537617	11.25	chr1	N/A	3	81.45
C1orf194	11.25	chr1	1p13.3	15	100.82
Hs.658770	11.25	chr1	N/A	7	89.57
GPR39	11.25	chr2	2q21-q22	32	117.89
Hs.118183	11.25	chr2	N/A	7	108.64
Hs.584795	11.25	chr18	N/A	1	0.00
Hs.127807	11.25	chr6	N/A	8	68.58
Hs.668527	11.25	chr20	N/A	2	100.10
LINC00460	11.25	chr13	13q33.3	2	3.40
Hs.666642	11.25	chr16	N/A	7	86.50
Hs.580353	11.25	chr2	N/A	5	41.03
Hs.604269	11.25	chr4	N/A	7	62.84
Hs.664124	11.25	chr5	N/A	7	59.48
Hs.529889	11.24	chrX	N/A	3	94.15
ZNF229	11.24	chr19	19q13.31	44	152.60
Hs.574219	11.24	chr15	N/A	3	67.32
LOC642574	11.24	chr8	8q24.3	3	63.96
LCORL	11.24	chr4	4p15.31	41	94.06
ERMN	11.24	chr2	2q24.1	42	144.92
ZFP69	11.24	chr1	1p34.2	22	104.72
PASD1	11.24	chrX	Xq28	17	55.82
BUB1	11.24	chr2	2q14	50	124.95
PTCHD3	11.24	chr10	10p12.1	11	47.17
CYLC1	11.24	chrX	Xq21.1	40	93.54
Hs.736003	11.24	chr15	N/A	1	0.00
Hs.157569	11.24	chr18	N/A	3	46.59
Hs.537753	11.24	chr1	N/A	10	40.61
Hs.580757	11.24	chr20	N/A	3	18.70
Hs.660986	11.24	chr12	N/A	1	0.00
OR4F3	11.24	chr5	5q35.3	3	57.32
Hs.603996	11.24	chr7	N/A	2	39.60
Hs.567184	11.24	chrX	N/A	3	112.54
Hs.566006	11.24	chr4	N/A	3	99.62
LOC731275	11.23	chr1	1q43	2	86.37
Hs.650148	11.23	chr2	N/A	3	52.79
Hs.542777	11.23	chr22	N/A	3	38.21
PFN3	11.23	chr5	5q35.3	15	116.62
LOC157740	11.23	chr8	8p23.1	2	56.78
Hs.622510	11.23	chr11	N/A	3	69.57
SERPINB4	11.23	chr18	18q21.3	33	72.85
Hs.736195	11.23	chr9	N/A	1	0.00
C1orf111	11.23	chr1	1q23.3	26	118.72
LIFR-AS1	11.23	chr5	N/A	33	58.10
LOC283028	11.23	chr10	10q11.21	2	96.48
Hs.332843	11.23	chr15	N/A	7	135.41
Hs.583362	11.23	chr7	N/A	3	33.10
Hs.570084	11.23	chr2	N/A	7	62.99

Hs.600892	11.23	chr1	N/A	7	55.37
HIST1H4A	11.23	chr6	6p22.1	27	91.40
ESYT3	11.22	chr3	3q22.3	43	145.86
Hs.655812	11.22	chr2	N/A	7	72.77
HHIP	11.22	chr4	4q28-q32	42	97.73
GNAT2	11.22	chr1	1p13.1	20	72.01
Hs.570269	11.22	chr2	N/A	7	140.88
Hs.666403	11.22	chr17	N/A	3	28.44
Hs.570325	11.22	chr20	N/A	3	61.18
XKR6	11.22	chr8	8p23.1	51	99.52
Hs.656273	11.22	chr17	N/A	8	88.78
Hs.604812	11.22	chr9	N/A	10	63.67
Hs.55185	11.22	chr1	N/A	18	64.61
Hs.434889	11.22	chr3	N/A	10	96.16
Hs.601018	11.22	chr7	N/A	8	62.54
Hs.368591	11.22	chr2	N/A	5	53.50
EPX	11.22	chr17	17q23.1	23	104.16
Hs.582165	11.22	chr5	N/A	3	64.43
DSCR8	11.22	chr21	21q22.2	32	84.81
ACTL7A	11.22	chr9	9q31	28	60.79
TBPL2	11.22	chr14	14q22.3	8	39.17
Hs.668777	11.22	chr2	N/A	1	0.00
Hs.732419	11.22	chr14	N/A	7	100.67
AGAP11	11.22	chr10	10q23.2	13	40.79
Hs.636285	11.22	chr5	N/A	1	0.00
Hs.543561	11.21	chr4	N/A	10	52.94
Hs.667140	11.21	chr10	N/A	7	46.10
Hs.544077	11.21	chr5	N/A	3	90.47
AA06	11.21	chr17	17q12	4	89.23
CSN1S1	11.21	chr4	4q21.1	26	68.62
SLCO6A1	11.21	chr5	5q21.1	24	168.11
Hs.580561	11.21	chr2	N/A	3	18.01
Hs.544409	11.21	chr6	N/A	3	56.66
MATN1-AS1	11.21	chr1	1p35.2	12	92.69
Hs.660031	11.21	chr12	N/A	7	39.01
Hs.563700	11.21	chr1	N/A	3	58.54
Hs.736034	11.21	chr7	N/A	5	75.27
Hs.611858	11.21	chr7	N/A	1	0.00
Hs.366725	11.21	chr5	N/A	3	70.76
Hs.658728	11.20	chr14	N/A	8	65.19
Hs.569194	11.20	chr12	N/A	5	43.73
PDYN	11.20	chr20	20p13	40	127.52
Hs.347185	11.20	chr4	N/A	3	8.78
Hs.117299	11.20	chr20	N/A	11	105.71
Hs.571157	11.20	chr6	N/A	3	52.31
Hs.551896	11.20	chr11	N/A	3	62.98
Hs.249970	11.20	chr5	N/A	3	78.27
Hs.130919	11.20	chr21	N/A	8	92.41
FBXL21	11.20	chr5	5q31	21	86.43
Hs.544289	11.20	chr5	N/A	3	65.35
MC3R	11.20	chr20	20q13.2-q13.3	21	65.41
Hs.437397	11.19	chr12	N/A	1	0.00
TKTL2	11.19	chr4	4q32.2	19	109.46
Hs.540356	11.19	chr15	N/A	3	40.91
Hs.131020	11.19	chr2	N/A	7	28.18
DLX1	11.19	chr2	2q32	33	88.71
Hs.538379	11.19	chr10	N/A	3	24.24
MDS2	11.19	chr1	1p36	12	115.50
Hs.658469	11.19	chr3	N/A	7	60.41
LOC100130453	11.19	chr18	18q23	3	81.43
SNORD35A	11.19	chr19	19q13.3	3	10.91
Hs.119848	11.19	chr8	N/A	10	103.62
OR4Q3	11.19	chr14	14q11.2	8	71.53
LOC729444	11.19	chr22	22q11.21	9	64.48
SMCO3	11.19	chr12	12p12.3	23	117.25
IDO2	11.19	chr8	8p11.21	14	104.45

Hs.633082	11.18	chr19	N/A	10	38.72
Hs.619284	11.18	chr1	N/A	3	18.53
RASGRF1	11.18	chr15	15q24.2	76	98.29
Hs.634750	11.18	chr20	N/A	7	59.18
Hs.693469	11.18	chr1	N/A	7	118.44
Hs.564410	11.18	chr12	N/A	3	78.33
Hs.566092	11.18	chr4	N/A	3	53.62
IL19	11.18	chr1	1q32.2	31	70.02
PLEKHD1	11.18	chr14	14q24.1	3	41.14
Hs.601544	11.18	chr15	N/A	1	0.00
Hs.675473	11.18	chr12	N/A	20	29.12
Hs.630167	11.18	chr5	N/A	10	29.38
Hs.580379	11.18	chr2	N/A	3	40.03
Hs.663617	11.18	chr1	N/A	19	54.26
Hs.579318	11.18	chr17	N/A	3	41.33
C3orf30	11.18	chr3	3q13.32	20	126.52
OPALIN	11.17	chr10	10q23-q24	39	99.19
Hs.542520	11.17	chr20	N/A	3	85.51
Hs.211485	11.17	chr21	N/A	3	28.96
WNT16	11.17	chr7	7q31	25	131.94
Hs.624146	11.17	chr7	N/A	19	89.66
Hs.641157	11.17	chr3	N/A	3	29.27
Hs.740945	11.17	chr1	N/A	8	16.62
LOC100507661	11.17	chr3	N/A	7	126.25
KRT222	11.17	chr17	17q21.2	27	70.47
Hs.574871	11.17	chr22	N/A	3	91.76
ERICH1-AS1	11.17	chr8	8p23.3	19	86.45
Hs.662832	11.17	chr7	N/A	1	0.00
Hs.209381	11.17	chr2	N/A	3	40.71
LOC100996656	11.17	chr3	N/A	3	60.85
AFAP1-AS1	11.17	chr4	4p16.1	36	118.78
Hs.543091	11.17	chr3	N/A	3	34.22
Hs.626744	11.17	chr2	N/A	3	34.84
COL26A1	11.17	chr7	7q22.1	31	70.90
TNMD	11.17	chrX	Xq21.33-q23	28	105.19
Hs.576064	11.17	chr1	N/A	3	44.66
ANKMY1	11.17	chr2	2q37.3	53	107.92
ARIH2OS	11.17	chr3	3p21.31	18	56.06
TLX3	11.17	chr5	5q35.1	21	68.58
Hs.660386	11.16	chr8	N/A	7	81.69
LINC00670	11.16	chr17	17p12	16	179.73
Hs.112808	11.16	chr6	N/A	7	106.53
CAMK1G	11.16	chr1	1q32.2	38	87.38
Hs.661837	11.16	chr13	N/A	2	65.32
Hs.568834	11.16	chr10	N/A	8	53.92
Hs.740926	11.16	chr20	N/A	5	99.10
GNG8	11.16	chr19	19q13.32	19	39.30
C14orf182	11.16	chr14	14q21.3	15	33.52
Hs.443239	11.16	chr3	N/A	11	49.84
Hs.732601	11.16	chr4	N/A	9	101.43
Hs.117266	11.16	chr9	N/A	11	68.05
LOC100506585	11.16	chr7	N/A	1	0.00
Hs.667228	11.16	chr1	N/A	3	56.79
Hs.4290	11.16	chr5	N/A	22	118.95
Hs.568927	11.16	chr11	N/A	3	23.76
PHOX2B	11.15	chr4	4p12	33	82.69
Hs.132376	11.15	chr11	N/A	5	48.19
Hs.662422	11.15	chr1	N/A	7	83.45
LOC100130548	11.15	chr9	9q34.2	1	0.00
Hs.733942	11.15	chr5	N/A	5	25.10
Hs.596677	11.15	chr5	N/A	3	35.94
Hs.655815	11.15	chrX	N/A	2	23.61
Hs.540752	11.15	chr17	N/A	10	110.38
Hs.583146	11.15	chr7	N/A	3	54.39
Hs.548777	11.15	chr20	N/A	4	122.42
CENPL	11.15	chr1	1q25.1	34	110.39

Hs.125950	11.15	chr12	N/A	7	60.50
Hs.164344	11.15	chr11	N/A	3	15.41
PRDM9	11.15	chr5	5p14	44	174.33
Hs.738498	11.14	chr7	N/A	3	30.96
Hs.541455	11.14	chr2	N/A	3	63.22
Hs.529769	11.14	chr5	N/A	2	64.71
Hs.664911	11.14	chr9	N/A	2	43.57
DIAPH3	11.14	chr13	13q21.2	62	105.47
Hs.131205	11.14	chr10	N/A	7	78.09
Hs.522139	11.14	chr9	N/A	3	75.29
Hs.618590	11.14	chr2	N/A	10	25.77
Hs.545975	11.14	chrX	N/A	3	40.51
LOC100287792	11.14	chr20	20q11.23	3	17.55
LOC401134	11.14	chr4	4q13.1	5	115.21
Hs.563869	11.13	chr1	N/A	3	17.40
Hs.541043	11.13	chr18	N/A	3	59.58
Hs.292037	11.13	chr10	N/A	5	67.88
Hs.670038	11.13	chr4	N/A	14	87.81
Hs.542908	11.13	chr3	N/A	3	94.24
Hs.445613	11.13	chr7	N/A	3	45.31
LOC100506731	11.13	chr14	N/A	4	85.70
Hs.662340	11.13	chr19	N/A	7	50.58
Hs.520691	11.13	chr7	N/A	3	35.07
Hs.604199	11.13	chr5	N/A	3	50.33
Hs.718737	11.13	chr16	N/A	3	8.54
CRYGD	11.13	chr2	2q33.3	33	92.10
FAM133A	11.13	chrX	Xq21.32	44	74.43
Hs.416061	11.12	chr2	N/A	7	92.35
Hs.657090	11.12	chrX	N/A	8	48.86
ZNF396	11.12	chr18	18q12	46	103.63
ALDH8A1	11.12	chr6	6q23.2	44	83.99
Hs.729763	11.12	chr21	N/A	3	31.45
Hs.597417	11.12	chr5	N/A	7	62.27
WFIKKN1	11.12	chr16	16p13.3	19	37.61
Hs.599550	11.12	chr12	N/A	7	83.29
Hs.649229	11.12	chr12	N/A	3	36.58
LINC00617	11.12	chr14	N/A	18	107.20
Hs.664280	11.12	chr11	N/A	15	69.62
Hs.666292	11.12	chr14	N/A	7	52.75
OR52L1	11.12	chr11	11p15.4	6	63.22
Hs.129462	11.12	chr1	N/A	11	96.68
Hs.602763	11.12	chr6	N/A	7	91.93
DEPDC4	11.12	chr12	12q23.1	37	72.11
PRR20B	11.12	chr13	13q21.1	1	0.00
Hs.566306	11.12	chr5	N/A	6	64.66
Hs.399823	11.12	chr16	N/A	11	89.89
BANK1	11.12	chr4	4q24	23	45.14
Hs.540076	11.12	chr14	N/A	3	8.43
Hs.436413	11.11	chr21	N/A	3	57.58
Hs.548339	11.11	chr16	N/A	3	42.07
Hs.554493	11.11	chr1	N/A	3	57.41
Hs.561037	11.11	chr21	N/A	3	73.25
Hs.545037	11.11	chr7	N/A	3	85.00
Hs.334086	11.11	chr22	N/A	3	93.65
Hs.567188	11.11	chrX	N/A	3	52.49
Hs.106005	11.11	chr14	N/A	1	0.00
HOXD10	11.11	chr2	2q31.1	25	108.02
Hs.688414	11.11	chr6	N/A	2	24.00
Hs.666027	11.11	chr1	N/A	7	79.11
Hs.549823	11.11	chr11	N/A	10	81.39
Hs.245132	11.11	chr2	N/A	2	72.78
Hs.543704	11.11	chr4	N/A	10	83.22
Hs.667625	11.11	chr13	N/A	3	26.55
TNFRSF17	11.11	chr16	16p13.1	32	150.88
Hs.655816	11.11	chr2	N/A	14	52.80
LOC100996508	11.10	chr9	N/A	10	86.55

TCTEX1D4	11.10	chr1	1p34.1	6	89.37
Hs.596351	11.10	chr1	N/A	7	91.90
Hs.156593	11.10	chr11	N/A	3	23.42
Hs.474032	11.10	chr21	N/A	10	66.81
Hs.581602	11.10	chr3	N/A	3	11.42
TIGD6	11.10	chr5	5q32	33	96.21
Hs.543780	11.10	chr5	N/A	3	98.51
Hs.576547	11.10	chr10	N/A	3	33.83
Hs.604855	11.10	chr17	N/A	1	0.00
Hs.218036	11.10	chr14	N/A	3	42.98
Hs.675458	11.10	chr10	N/A	1	0.00
Hs.575810	11.10	chr1	N/A	3	101.13
MUC22	11.10	chr6	6p21.33	8	19.47
OR2B3	11.09	chr6	6p22.1	12	81.02
Hs.121410	11.09	chr3	N/A	4	60.48
Hs.544669	11.09	chr6	N/A	2	16.08
Hs.365618	11.09	chr6	N/A	3	4.43
RFPL1	11.09	chr22	22q12.2	20	164.01
FAM184A	11.09	chr6	6q22.31	43	92.04
Hs.561823	11.09	chr8	N/A	4	39.21
Hs.564740	11.09	chr14	N/A	3	37.00
Hs.577573	11.09	chr12	N/A	3	50.80
Hs.666341	11.09	chr1	N/A	1	0.00
Hs.132019	11.09	chr17	N/A	7	73.71
Hs.639252	11.09	chr18	N/A	3	67.78
Hs.559806	11.09	chr10	N/A	7	79.12
LINC00290	11.09	chr4	4q34.3	1	0.00
PTCHD1	11.09	chrX	Xp22.11	30	187.34
Hs.587467	11.09	chr8	N/A	13	33.30
Hs.274276	11.09	chr8	N/A	4	114.76
ACSBG1	11.09	chr15	15q23-q24	37	112.46
KIR2DS4	11.08	chr19	19q13.4	33	62.89
Hs.661510	11.08	chr1	N/A	1	0.00
ZNF517	11.08	chr8	8q24.3	28	120.67
Hs.639940	11.08	chr22	N/A	3	46.87
Hs.658538	11.08	chr3	N/A	1	0.00
Hs.741509	11.08	chr1	N/A	8	76.62
Hs.660627	11.08	chr9	N/A	7	56.53
MIMT1	11.08	chr19	19q13.43	6	56.89
Hs.562615	11.08	chr15	N/A	2	57.77
Hs.545834	11.08	chr9	N/A	3	47.71
Hs.734836	11.08	chr1	N/A	3	91.95
Hs.734268	11.08	chr18	N/A	7	36.36
Hs.374199	11.08	chr1	N/A	3	48.15
LRRC27	11.08	chr10	10q26.3	37	48.85
TCP10L2	11.07	chr6	6q27	19	46.03
Hs.607557	11.07	chr20	N/A	3	15.10
Hs.550888	11.07	chr12	N/A	3	22.81
RD3	11.07	chr1	1q32.3	14	59.05
Hs.522362	11.07	chr9	N/A	3	17.66
DFNB59	11.07	chr2	2q31.2	27	74.38
C5orf20	11.07	chr5	5q31.1	36	157.91
Hs.666572	11.07	chr8	N/A	2	11.86
Hs.604325	11.07	chr7	N/A	1	0.00
Hs.568674	11.07	chr1	N/A	3	95.98
FRMPD4	11.07	chrX	Xp22.2	38	82.90
Hs.197593	11.07	chr8	N/A	3	52.48
DLGAP1-AS2	11.07	chr18	18p11.31	21	94.34
Hs.600951	11.07	chr1	N/A	7	95.09
Hs.561998	11.07	chrX	N/A	3	7.93
NLRP10	11.07	chr11	11p15.4	19	124.09
RAB3B	11.07	chr1	1p32-p31	58	87.15
Hs.554566	11.07	chr13	N/A	3	40.69
SCEL	11.07	chr13	13q22	36	95.08
Hs.583975	11.07	chr8	N/A	3	21.75
NKX3-2	11.06	chr4	4p16.3	23	63.52

TMPRSS11B	11.06	chr4	4q13.2	14	147.23
Hs.146569	11.06	chr2	N/A	3	66.08
LOC100996345	11.06	chr16	N/A	21	58.54
Hs.522264	11.06	chr9	N/A	6	69.82
Hs.538921	11.06	chr11	N/A	10	64.97
NUF2	11.06	chr1	1q23.3	39	121.34
CDHR5	11.06	chr11	11p15.5	54	143.64
Hs.547735	11.06	chr6	N/A	11	74.19
Hs.664017	11.06	chr6	N/A	8	83.55
Hs.574907	11.06	chr3	N/A	3	94.96
Hs.661984	11.06	chr4	N/A	7	55.04
Hs.528223	11.06	chr5	N/A	3	40.83
Hs.633772	11.06	chr19	N/A	7	90.17
Hs.650451	11.06	chr10	N/A	3	86.08
Hs.659568	11.06	chr3	N/A	7	54.85
Hs.658394	11.06	chr5	N/A	2	36.14
RNF133	11.06	chr7	7q31.32	26	64.98
Hs.560393	11.06	chr15	N/A	10	123.50
B3GNT7	11.06	chr2	2q37.1	29	79.14
RBM26-AS1	11.06	chr13	N/A	19	54.69
LOC729254	11.06	chr2	2q32.3	3	58.51
Hs.662618	11.06	chr4	N/A	17	56.65
SCGB2B2	11.05	chr19	19q13.11	35	72.08
Hs.596875	11.05	chr2	N/A	13	91.18
Hs.564657	11.05	chr14	N/A	3	17.76
Hs.563938	11.05	chr1	N/A	3	42.17
LOC100505659	11.05	chr8	N/A	8	89.20
Hs.126634	11.05	chr6	N/A	7	119.38
HSD17B2	11.05	chr16	16q24.1-q24.2	30	70.88
Hs.657660	11.05	chr12	N/A	7	67.33
Hs.636121	11.05	chr8	N/A	7	63.53
Hs.665334	11.05	chr6	N/A	8	69.78
Hs.658143	11.05	chr1	N/A	9	103.55
LOC283403	11.05	chr12	12q13.13	4	13.33
Hs.611708	11.05	chr3	N/A	3	28.24
LINC00535	11.05	chr8	8q22.1	8	72.03
Hs.733549	11.05	chr10	N/A	1	0.00
Hs.59554	11.05	chr6	N/A	4	66.98
Hs.122407	11.05	chr8	N/A	3	52.46
MAGEC3	11.05	chrX	Xq27.2	30	76.54
C17orf77	11.05	chr17	17q25.1	17	58.39
CXorf30	11.05	chrX	Xp21.1	18	79.91
CYP4F8	11.04	chr19	19p13.1	28	53.62
Hs.659450	11.04	chr16	N/A	2	19.20
DEFB127	11.04	chr20	20p13	19	176.03
Hs.574184	11.04	chr14	N/A	3	81.69
Hs.577416	11.04	chr12	N/A	3	53.24
Hs.430098	11.04	chr1	N/A	10	72.02
Hs.542167	11.04	chr2	N/A	3	62.30
Hs.571218	11.04	chr7	N/A	1	0.00
Hs.158863	11.04	chr6	N/A	3	74.58
Hs.538610	11.04	chr10	N/A	3	62.12
Hs.250821	11.04	chr19	N/A	3	74.29
LOC100506305	11.04	chr11	N/A	10	111.59
Hs.170508	11.04	chr1	N/A	3	67.99
Hs.444029	11.04	chr6	N/A	11	77.85
Hs.249102	11.04	chr2	N/A	3	58.60
Hs.721158	11.04	chr9	N/A	2	29.09
DLGAP2	11.04	chr8	8p23	41	99.66
MUC13	11.04	chr3	3q21.2	36	64.76
FGF4	11.04	chr11	11q13.3	21	86.85
GINS1	11.04	chr20	20p11.21	32	103.26
Hs.609998	11.03	chr4	N/A	3	89.15
MAML3	11.03	chr4	4q28	36	90.80
Hs.535746	11.03	chr4	N/A	18	62.45
Hs.713931	11.03	chr13	N/A	1	0.00

TRIM43	11.03	chr2	2q11.1	24	101.23
Hs.570303	11.03	chr2	N/A	3	45.37
Hs.729669	11.03	chr7	N/A	1	0.00
Hs.636855	11.03	chr20	N/A	10	93.06
Hs.603157	11.03	chr3	N/A	7	38.34
SPATA31A7	11.03	chr9	9q12	17	45.44
C15orf54	11.03	chr15	15q14	7	38.94
Hs.603134	11.03	chr5	N/A	7	88.74
Hs.733155	11.03	chr6	N/A	8	82.32
Hs.578704	11.03	chr16	N/A	3	5.40
OR4D9	11.02	chr11	11q12.1	5	71.62
Hs.668096	11.02	chr4	N/A	7	94.70
Hs.373970	11.02	chr5	N/A	3	60.79
FENDRR	11.02	chr16	16q24.1	19	69.11
OR51E2	11.02	chr11	11p15	36	93.95
Hs.12292	11.02	chr1	N/A	4	49.85
Hs.11169	11.02	chr1	N/A	7	54.29
Hs.580622	11.02	chr20	N/A	3	22.43
Hs.596876	11.02	chr12	N/A	17	41.49
FSCN2	11.02	chr17	17q25	42	73.80
CST9L	11.02	chr20	20p11.21	26	143.65
SH2D1A	11.02	chrX	Xq25	57	119.14
SLC6A5	11.02	chr11	11p15.1	30	59.71
Hs.639544	11.02	chr6	N/A	3	98.85
CXorf61	11.02	chrX	Xq23	14	135.69
NTN3	11.01	chr16	16p13.3	23	70.42
RAD54B	11.01	chr8	8q22.1	126	49.53
UNC13A	11.01	chr19	19p13.11	47	110.13
GLYAT	11.01	chr11	11q12.1	57	85.01
Hs.742283	11.01	chr1	N/A	10	26.21
GAF1	11.01	chr14	14q11.2	11	37.27
MRGPRD	11.01	chr11	11q13.3	16	103.72
Hs.245558	11.01	chr8	N/A	3	39.04
Hs.527155	11.01	chr5	N/A	3	47.92
ZDHHC23	11.01	chr3	3q13.31	29	52.77
Hs.537801	11.01	chr1	N/A	3	27.09
LRFN2	11.01	chr6	6p21.2-p21.1	24	128.59
Hs.663064	11.01	chr1	N/A	20	46.70
Hs.736650	11.01	chr10	N/A	3	71.95
Hs.660514	11.01	chr17	N/A	7	67.89
Hs.611027	11.01	chr14	N/A	3	49.23
Hs.668043	11.01	chr19	N/A	1	0.00
Hs.579971	11.00	chr2	N/A	3	69.94
Hs.607295	11.00	chr2	N/A	3	76.86
Hs.673900	11.00	chr17	N/A	11	35.70
Hs.597307	11.00	chr3	N/A	7	70.91
Hs.607409	11.00	chr8	N/A	1	0.00
Hs.666896	11.00	chr14	N/A	8	74.64
Hs.575644	11.00	chr9	N/A	8	84.06
Hs.600625	11.00	chr1	N/A	1	0.00
Hs.587967	11.00	chr18	N/A	10	52.03
Hs.597692	11.00	chrX	N/A	7	106.57
Hs.130580	11.00	chr6	N/A	7	115.49
Hs.547354	11.00	chr11	N/A	3	20.96
Hs.599958	11.00	chr7	N/A	7	57.97
TMEM202	11.00	chr15	15q24.1	16	124.48
CT45A4	11.00	chrX	Xq26.3	9	75.61
N4BP2L2-IT2	11.00	chr13	13q13.1	7	97.93
Hs.660241	10.99	chr1	N/A	1	0.00
Hs.271903	10.99	chr2	N/A	1	0.00
C12orf55	10.99	chr12	12q23.1	1	0.00
Hs.658222	10.99	chr13	N/A	7	88.26
Hs.344169	10.99	chr15	N/A	3	82.55
Hs.660295	10.99	chr5	N/A	8	132.58
Hs.667475	10.99	chr8	N/A	7	80.86
Hs.571643	10.99	chr9	N/A	3	58.65

MYT1	10.99	chr20	20q13.33	42	77.71
Hs.554322	10.99	chr7	N/A	3	96.22
SDR42E1	10.99	chr16	16q23.3	34	182.26
LOC100506860	10.99	chr7	N/A	9	73.94
TSSK6	10.99	chr19	19p13.11	33	83.01
Hs.133982	10.99	chr17	N/A	29	73.45
R3HCC1L	10.99	chr10	10q24.2	24	87.12
PFKFB1	10.99	chrX	Xp11.21	39	105.94
Hs.577962	10.99	chr13	N/A	3	49.65
Hs.655157	10.99	chr8	N/A	3	27.86
Hs.567760	10.98	chr9	N/A	1	0.00
Hs.564196	10.98	chr11	N/A	3	74.07
KCNC1	10.98	chr11	11p15	57	98.51
Hs.537744	10.98	chr1	N/A	3	50.20
Hs.710728	10.98	chr17	N/A	3	27.34
FDXACB1	10.98	chr11	11q23.1	28	38.46
SLC26A5	10.98	chr7	7q22.1	22	94.17
Hs.129434	10.98	chr13	N/A	3	42.67
FUT8-AS1	10.98	chr14	14q23.3	30	98.88
TRPA1	10.98	chr8	8q13	40	99.87
Hs.541744	10.98	chr2	N/A	3	50.96
TMEM232	10.98	chr5	5q22.1	41	203.15
Hs.541456	10.98	chr2	N/A	3	74.16
Hs.737747	10.98	chr17	N/A	3	57.55
CT47A7	10.97	chrX	Xq24	6	42.25
Hs.607593	10.97	chr19	N/A	1	0.00
GLS2	10.97	chr12	12q13	36	67.17
LINC00854	10.97	chr17	N/A	20	79.48
PNLIPRP2	10.97	chr10	10q25.3	35	80.02
CCNE2	10.97	chr8	8q22.1	38	81.85
Hs.335033	10.97	chr7	N/A	10	92.32
LOC645321	10.97	chr18	18q23	2	49.23
Hs.508287	10.97	chr5	N/A	13	154.55
Hs.666667	10.97	chr14	N/A	7	108.97
Hs.597135	10.97	chr12	N/A	3	70.28
Hs.664118	10.97	chr14	N/A	7	34.21
NYAP1	10.97	chr7	7q22.1	17	57.71
Hs.577033	10.97	chr11	N/A	3	48.08
AGR3	10.97	chr7	7p21.1	43	139.14
Hs.527588	10.97	chr1	N/A	3	46.80
Hs.634196	10.97	chr9	N/A	11	46.59
Hs.548068	10.97	chr22	N/A	3	57.88
Hs.534798	10.97	chr6	N/A	3	28.78
CCDC87	10.97	chr11	11q13.2	21	117.64
Hs.226564	10.97	chr14	N/A	17	102.57
Hs.568884	10.97	chr10	N/A	3	22.20
Hs.656747	10.96	chr15	N/A	1	0.00
Hs.528290	10.96	chr13	N/A	3	17.51
Hs.202619	10.96	chr14	N/A	3	37.03
FAM106A	10.96	chr17	17p11.2	21	71.11
Hs.538800	10.96	chr11	N/A	3	41.30
CCR9	10.96	chr3	3p21.3	25	82.56
Hs.604192	10.96	chr1	N/A	1	0.00
Hs.541008	10.96	chr18	N/A	10	33.02
LRAT	10.96	chr4	4q32.1	41	88.37
Hs.661702	10.96	chr13	N/A	18	68.94
Hs.659210	10.96	chr11	N/A	8	67.36
DCDC2	10.96	chr6	6p22.1	27	90.85
Hs.480672	10.96	chr4	N/A	9	52.39
Hs.602969	10.96	chr19	N/A	10	69.48
Hs.733282	10.96	chr10	N/A	8	96.44
Hs.564326	10.95	chr11	N/A	3	54.36
Hs.523969	10.95	chr11	N/A	7	70.33
Hs.664899	10.95	chr12	N/A	1	0.00
CCDC54	10.95	chr3	3q13.12	24	38.13
Hs.573846	10.95	chr10	N/A	3	98.77

Hs.564991	10.95	chr17	N/A	3	58.22
Hs.662591	10.95	chr10	N/A	8	47.62
ZNF670	10.95	chr1	1q44	24	65.92
Hs.655826	10.95	chr9	N/A	8	70.31
HSF5	10.95	chr17	17q22	34	95.11
Hs.672896	10.95	chr6	N/A	1	0.00
Hs.553445	10.95	chr2	N/A	3	67.18
Hs.105821	10.95	chr7	N/A	10	77.09
Hs.561031	10.95	chr21	N/A	10	45.81
ESR2	10.95	chr14	14q23.2	79	105.82
Hs.333528	10.95	chr16	N/A	3	53.55
Hs.661680	10.95	chr1	N/A	6	94.63
HEATR4	10.95	chr14	14q24.3	24	56.40
Hs.649299	10.95	chr1	N/A	3	93.49
FAM211A	10.95	chr17	17p11.2	19	55.51
Hs.666122	10.95	chr12	N/A	8	98.94
KHDRBS2	10.95	chr6	6q11.1	25	76.22
Hs.413518	10.95	chr2	N/A	7	71.80
Hs.604635	10.94	chr2	N/A	3	28.90
Hs.660990	10.94	chr10	N/A	2	28.72
NR2E3	10.94	chr15	15q22.32	49	137.39
TNFRSF18	10.94	chr1	1p36.3	21	68.34
Hs.154655	10.94	chr13	N/A	1	0.00
LOC339535	10.94	chr1	1q43	9	53.83
PRSS55	10.94	chr8	8p23.1	9	62.60
Hs.639815	10.94	chr3	N/A	3	51.27
Hs.539317	10.94	chr12	N/A	3	67.04
Hs.743530	10.94	chr14	N/A	10	30.00
Hs.639556	10.93	chr19	N/A	3	57.20
TAGAP	10.93	chr6	6q25.3	50	107.02
Hs.407613	10.93	chr17	N/A	4	61.46
Hs.560388	10.93	chr15	N/A	2	62.42
LOC100996521	10.93	chr1	N/A	5	29.50
PRR18	10.93	chr6	6q27	18	91.44
Hs.561667	10.93	chr7	N/A	3	60.84
Hs.596709	10.93	chr3	N/A	1	0.00
Hs.640209	10.93	chr22	N/A	3	55.47
LOC728145	10.93	chr5	5q35.1	3	86.22
IGHV3-48	10.93	chr14	14q32.33	33	148.47
Hs.710072	10.93	chr1	N/A	1	0.00
Hs.745238	10.92	chr17	N/A	7	50.62
HEPN1	10.92	chr11	11q24	14	46.91
Hs.634320	10.92	chr10	N/A	10	70.61
LOC100996456	10.92	chr3	N/A	3	47.10
Hs.540336	10.92	chr15	N/A	12	188.99
CR1	10.92	chr1	1q32	77	119.50
Hs.131310	10.92	chr21	N/A	5	56.91
Hs.200262	10.92	chr2	N/A	10	32.94
SOX2-OT	10.92	chr3	3q26.33	20	189.18
C12orf50	10.92	chr12	12q21.32	27	106.73
Hs.553293	10.92	chrY	N/A	7	105.93
Hs.566417	10.92	chr5	N/A	3	56.96
Hs.16732	10.92	chr2	N/A	4	49.46
CHRNA9	10.92	chr4	4p14	23	133.30
Hs.252460	10.91	chr11	N/A	3	42.23
Hs.326414	10.91	chr16	N/A	7	61.15
Hs.42376	10.91	chr9	N/A	8	68.53
AQP8	10.91	chr16	16p12	23	39.65
Hs.655315	10.91	chr12	N/A	1	0.00
PCDHB6	10.91	chr5	5q31	31	92.90
Hs.539597	10.91	chr13	N/A	3	49.75
C10orf105	10.91	chr10	10q22.1	3	131.75
Hs.603285	10.91	chr8	N/A	2	14.69
MOGAT2	10.91	chr11	11q13.5	29	57.90
Hs.666651	10.91	chr7	N/A	2	64.60
VN1R4	10.91	chr19	19q13.42	21	86.43

Hs.696731	10.91	chr1	N/A	10	60.27
ARG1	10.91	chr6	6q23	36	75.56
Hs.633335	10.91	chr7	N/A	3	51.98
Hs.664691	10.91	chr3	N/A	7	76.38
BCAR4	10.91	chr16	16p13.13	18	69.17
SCNN1G	10.91	chr16	16p12	44	96.08
Hs.680609	10.91	chr22	N/A	10	38.46
Hs.565234	10.91	chr19	N/A	3	22.63
FAM105A	10.90	chr5	5p15.2	63	83.42
Hs.659786	10.90	chr12	N/A	8	52.01
KRTAP1-1	10.90	chr17	17q12	28	86.12
Hs.538204	10.90	chr1	N/A	3	29.26
Hs.157697	10.90	chr4	N/A	4	28.71
Hs.710557	10.90	chr15	N/A	1	0.00
GIP	10.90	chr17	17q21.3-q22	23	145.30
LOC100130357	10.90	chr6	6p24.1	11	36.75
Hs.601583	10.90	chr12	N/A	7	115.06
Hs.539643	10.90	chr13	N/A	3	45.28
Hs.580572	10.90	chr2	N/A	3	48.59
ACCSL	10.89	chr11	11p11.2	3	33.66
Hs.601126	10.89	chr2	N/A	7	57.34
TAS2R20	10.89	chr12	12p13.2	21	130.75
Hs.666792	10.89	chr6	N/A	3	82.62
Hs.199671	10.89	chr2	N/A	1	0.00
Hs.434529	10.89	chr9	N/A	2	48.15
TRIM60	10.89	chr4	4q32.3	28	125.03
C6orf10	10.89	chr6	6p21.3	50	94.23
Hs.566128	10.89	chr4	N/A	3	108.12
Hs.97872	10.89	chr7	N/A	11	43.97
Hs.121664	10.89	chr6	N/A	7	61.69
LINC00323	10.89	chr21	21q22.2	11	56.48
LINC00851	10.89	chr20	20p11.23	14	91.10
Hs.537996	10.88	chr1	N/A	3	26.98
Hs.568810	10.88	chr10	N/A	5	62.32
NAT8L	10.88	chr4	4p16.3	15	73.48
Hs.197709	10.88	chr2	N/A	3	79.11
Hs.178111	10.88	chr1	N/A	18	57.08
Hs.560946	10.88	chr2	N/A	10	55.15
Hs.544888	10.88	chr7	N/A	7	57.57
Hs.659063	10.88	chr3	N/A	8	31.75
Hs.596219	10.88	chr6	N/A	10	121.04
Hs.594743	10.88	chr11	N/A	3	23.48
Hs.657708	10.88	chr5	N/A	7	46.41
Hs.567109	10.87	chrX	N/A	3	37.26
Hs.541575	10.87	chr2	N/A	3	80.57
Hs.540422	10.87	chr16	N/A	3	50.65
Hs.664544	10.87	chr12	N/A	7	48.53
NLRC4	10.87	chr2	2p22-p21	19	46.57
Hs.147713	10.87	chr14	N/A	1	0.00
APOH	10.87	chr17	17q24.2	41	148.11
EOMES	10.87	chr3	3p24.1	19	88.55
Hs.542067	10.87	chr2	N/A	3	51.15
Hs.149969	10.87	chr18	N/A	7	78.41
Hs.668029	10.87	chr11	N/A	7	69.46
Hs.664515	10.87	chr15	N/A	7	85.80
Hs.203027	10.87	chr3	N/A	3	51.69
STATH	10.87	chr4	4q13.3	26	90.35
Hs.660238	10.87	chr10	N/A	7	79.37
Hs.571366	10.87	chr7	N/A	3	48.17
RNF152	10.87	chr18	18q21.33	30	73.82
C3orf79	10.87	chr3	3q25.2	8	73.26
Hs.705890	10.87	chr1	N/A	8	15.46
Hs.476854	10.87	chr3	N/A	3	15.32
Hs.505821	10.86	chr22	N/A	4	40.18
Hs.634774	10.86	chr6	N/A	4	80.21
Hs.566469	10.86	chr6	N/A	3	35.34

Hs.597961	10.86	chr6	N/A	11	89.78
Hs.665580	10.86	chr2	N/A	7	102.88
Hs.571430	10.85	chr8	N/A	23	96.29
SLC3A1	10.85	chr2	2p16.3	29	102.64
Hs.143949	10.85	chr1	N/A	3	64.31
Hs.563567	10.85	chr8	N/A	3	64.10
Hs.566450	10.85	chr6	N/A	10	49.20
Hs.581359	10.85	chr3	N/A	3	35.02
FAM222A-AS1	10.85	chr12	12q24.11	13	74.28
ZNF28	10.85	chr19	19q13.41	20	43.65
TBX22	10.85	chrX	Xq21.1	29	146.64
Hs.581987	10.85	chr4	N/A	3	26.87
Hs.528256	10.85	chrX	N/A	3	12.65
Hs.545146	10.85	chr7	N/A	7	55.15
SLC4A11	10.85	chr20	20p12	37	89.79
Hs.667789	10.85	chrX	N/A	7	85.60
Hs.28659	10.85	chr1	N/A	7	120.87
WDR27	10.85	chr6	6q27	87	89.08
Hs.635102	10.85	chr2	N/A	2	8.08
Hs.436018	10.84	chr5	N/A	4	77.70
Hs.709443	10.84	chr4	N/A	17	50.73
Hs.677180	10.84	chr5	N/A	1	0.00
BMP3	10.84	chr4	4q21	26	81.41
Hs.540342	10.84	chr15	N/A	3	3.90
Hs.720255	10.84	chr7	N/A	13	47.47
C1orf192	10.84	chr1	1q23.3	21	102.50
HSPB9	10.84	chr17	17q21.2	29	54.04
Hs.228809	10.84	chr21	N/A	10	27.76
LOC729059	10.84	chr1	1p36.12	3	76.94
Hs.602702	10.84	chr3	N/A	7	120.38
Hs.126118	10.84	chr11	N/A	1	0.00
TRIM50	10.84	chr7	7q11.23	31	90.67
Hs.543554	10.84	chr4	N/A	3	74.85
Hs.603121	10.84	chr12	N/A	12	33.56
ZNF214	10.84	chr11	11p15.4	36	106.03
LINC00477	10.84	chr12	12p12.1	17	88.13
ZNF41	10.84	chrX	Xp11.23	28	59.57
Hs.245477	10.83	chr3	N/A	4	34.98
Hs.524935	10.83	chr13	N/A	3	84.72
LINC00261	10.83	chr20	20p11.21	23	104.12
Hs.540833	10.83	chr17	N/A	3	29.84
ANKRD60	10.83	chr20	20q13.32	9	103.61
Hs.545393	10.83	chr8	N/A	3	56.97
Hs.541724	10.83	chr2	N/A	6	61.93
LOC340515	10.83	chr9	9q22.2	5	97.86
DSCAM-AS1	10.83	chr21	N/A	11	66.15
Hs.543182	10.83	chr3	N/A	3	34.43
Hs.656349	10.83	chr8	N/A	1	0.00
Hs.603066	10.83	chr4	N/A	7	62.35
Hs.130343	10.82	chr7	N/A	10	51.55
Hs.607815	10.82	chr1	N/A	3	51.21
Hs.663577	10.82	chr4	N/A	7	61.39
PCSK9	10.82	chr1	1p32.3	30	88.64
Hs.694012	10.82	chr12	N/A	7	81.65
Hs.606129	10.82	chr12	N/A	8	16.95
Hs.538225	10.82	chr1	N/A	3	63.58
Hs.436728	10.82	chr13	N/A	3	10.14
KIAA1239	10.82	chr4	4p14	19	126.57
PRSS57	10.82	chr19	19p13.3	13	32.68
Hs.540401	10.82	chr15	N/A	3	12.09
Hs.580670	10.82	chr20	N/A	3	33.20
RGS7	10.82	chr1	1q23.1	41	228.13
Hs.571709	10.82	chrX	N/A	10	19.12
OR13C8	10.81	chr9	9q31.1	8	87.78
FCRL3	10.81	chr1	1q21-q22	39	111.57
Hs.21278	10.81	chr12	N/A	8	44.90

Hs.734195	10.81	chr15	N/A	2	18.78
Hs.565796	10.81	chr22	N/A	3	54.67
Hs.466840	10.81	chr19	N/A	4	47.85
MTMR8	10.81	chrX	Xq11.2	24	59.74
ZKSCAN8	10.81	chr6	6p21.3	26	75.84
Hs.664630	10.81	chr2	N/A	8	64.07
Hs.655064	10.81	chr15	N/A	18	69.33
Hs.671213	10.81	chr6	N/A	1	0.00
Hs.559152	10.81	chr10	N/A	3	16.28
CDON	10.81	chr11	11q24.2	52	102.66
MSR1	10.81	chr8	8p22	83	117.86
Hs.667451	10.80	chr12	N/A	3	33.57
LINC00867	10.80	chr10	N/A	35	59.96
Hs.407582	10.80	chr5	N/A	1	0.00
ASXL3	10.80	chr18	18q11	38	176.52
Hs.663412	10.80	chr12	N/A	2	12.86
Hs.666064	10.80	chr1	N/A	14	87.49
SERPINB2	10.80	chr18	18q21.3	30	101.65
Hs.575681	10.80	chr9	N/A	3	44.53
GRAP2	10.80	chr22	22q13.2	49	108.57
SLCO1A2	10.80	chr12	12p12	81	116.98
Hs.23606	10.80	chr8	N/A	6	63.00
Hs.603232	10.80	chr5	N/A	2	13.55
LOC100507222	10.80	chr8	N/A	13	129.28
Hs.580955	10.80	chr22	N/A	3	81.17
Hs.655719	10.80	chr10	N/A	7	70.90
Hs.602653	10.80	chrX	N/A	5	48.06
LOC441242	10.80	chr7	7q11.21	8	47.97
Hs.63224	10.79	chr6	N/A	14	78.96
Hs.602084	10.79	chr12	N/A	7	54.37
Hs.541635	10.79	chr2	N/A	3	40.92
Hs.257168	10.79	chr7	N/A	11	45.65
Hs.639477	10.79	chr2	N/A	8	71.44
CCDC178	10.79	chr18	18q12.1	34	73.88
LOC100506100	10.79	chr9	N/A	14	65.57
Hs.658594	10.79	chr17	N/A	14	95.71
RNF148	10.79	chr7	7q31.33	19	99.63
Hs.477344	10.79	chr3	N/A	3	21.28
ALS2CR8	10.79	chr2	2q33.2	46	105.49
Hs.107801	10.79	chr13	N/A	21	55.27
Hs.107384	10.79	chr10	N/A	16	123.36
Hs.545703	10.79	chr9	N/A	3	3.53
Hs.581774	10.79	chr4	N/A	3	48.18
Hs.147398	10.78	chr19	N/A	7	71.09
Hs.449309	10.78	chr5	N/A	3	62.94
Hs.660522	10.78	chrX	N/A	7	59.93
Hs.649971	10.78	chr9	N/A	12	104.99
LOC100505685	10.78	chr4	N/A	21	59.36
Hs.669024	10.78	chr19	N/A	1	0.00
Hs.613931	10.78	chr2	N/A	8	10.34
Hs.665274	10.78	chr10	N/A	7	68.56
Hs.665088	10.78	chr18	N/A	1	0.00
Hs.743670	10.78	chr17	N/A	14	112.81
Hs.545333	10.78	chr8	N/A	6	65.95
LOC348761	10.78	chr2	2q37.1	35	68.08
Hs.201445	10.78	chr12	N/A	3	49.16
Hs.713905	10.78	chr9	N/A	10	39.48
Hs.551726	10.78	chr2	N/A	1	0.00
TMEM200C	10.77	chr18	18p11.31	20	118.18
Hs.544903	10.77	chr7	N/A	3	31.17
Hs.563706	10.77	chr1	N/A	3	58.52
Hs.354110	10.77	chr4	N/A	16	64.98
Hs.617253	10.77	chr4	N/A	3	23.88
Hs.547238	10.77	chr1	N/A	3	51.45
Hs.578534	10.77	chr15	N/A	3	39.83
Hs.565987	10.77	chr3	N/A	3	39.15

Hs.601027	10.77	chr8	N/A	7	36.57
Hs.563174	10.77	chr3	N/A	3	9.71
Hs.658583	10.77	chr19	N/A	8	89.46
JPH3	10.77	chr16	16q24.3	42	58.00
Hs.225784	10.77	chr7	N/A	14	77.27
KLRC1	10.77	chr12	12p13	43	69.33
Hs.145535	10.77	chr13	N/A	10	85.70
Hs.571163	10.77	chr6	N/A	10	22.07
FLJ39632	10.77	chr14	14q11.2	14	67.02
Hs.737950	10.77	chr2	N/A	1	0.00
Hs.582275	10.77	chr5	N/A	3	108.18
C8orf74	10.76	chr8	8p23.1	24	94.05
Hs.661605	10.76	chr19	N/A	21	59.06
Hs.571039	10.76	chr6	N/A	10	55.68
Hs.542966	10.76	chr3	N/A	3	57.51
Hs.541774	10.76	chr2	N/A	3	13.05
ACRBP	10.76	chr12	12p13.31	33	88.71
Hs.556287	10.76	chr12	N/A	6	108.00
Hs.687789	10.76	chr8	N/A	2	5.72
Hs.437472	10.76	chr21	N/A	3	38.23
SYCP2	10.76	chr20	20q13.33	44	93.79
KHDC3L	10.76	chr6	6q13	6	93.03
INSC	10.76	chr11	11p15.2	14	58.55
Hs.658915	10.76	chr1	N/A	1	0.00
Hs.597201	10.76	chr21	N/A	18	133.06
Hs.662463	10.75	chr18	N/A	7	50.09
CT45A2	10.75	chrX	Xq26.3	3	35.01
Hs.537147	10.75	chr11	N/A	7	93.57
Hs.517938	10.75	chr3	N/A	3	42.70
CT45A6	10.75	chrX	Xq26.3	3	69.80
Hs.598405	10.75	chr1	N/A	7	65.06
Hs.657600	10.75	chr17	N/A	7	40.34
RAET1L	10.75	chr6	6q25.1	3	17.52
Hs.625479	10.75	chr12	N/A	7	94.67
MGC4294	10.75	chr20	20q13.32	18	183.38
Hs.560364	10.75	chr15	N/A	1	0.00
LANCL3	10.75	chrX	Xp21.1	21	111.73
ZNF804B	10.75	chr7	7q21.13	31	160.17
KCNK16	10.75	chr6	6p21.2-p21.1	19	57.35
Hs.604606	10.75	chr1	N/A	1	0.00
Hs.629539	10.75	chr1	N/A	3	68.41
KLF17	10.75	chr1	1p34.1	17	179.04
LOC100507511	10.75	chr12	N/A	8	46.70
Hs.591632	10.75	chr2	N/A	14	112.69
Hs.660139	10.75	chr14	N/A	8	112.04
Hs.223837	10.75	chr7	N/A	8	79.09
Hs.542555	10.75	chr21	N/A	3	41.31
Hs.650420	10.75	chr2	N/A	3	30.73
OR1A1	10.74	chr17	17p13.3	21	48.10
ANKRD55	10.74	chr5	5q11.2	31	86.03
Hs.566965	10.74	chr9	N/A	3	35.13
Hs.560943	10.74	chr2	N/A	3	49.20
Hs.577522	10.74	chr12	N/A	3	43.84
Hs.680357	10.74	chr16	N/A	1	0.00
STX19	10.74	chr3	3q11	9	99.36
DCC	10.74	chr18	18q21.3	56	73.07
GRP	10.74	chr18	18q21.1-q21.32	35	77.78
LINC00338	10.74	chr17	17q25.2	25	43.62
Hs.687216	10.74	chr1	N/A	7	47.55
PODXL2	10.74	chr3	3q21.3	24	107.49
Hs.541604	10.74	chr2	N/A	3	50.65
PHF21B	10.74	chr22	22q13.31	20	65.67
Hs.399719	10.74	chr6	N/A	7	140.50
C21orf54	10.74	chr21	21q22.11	10	204.33
PRAMEF15	10.74	chr1	1p36.21	3	74.78
IQCF2	10.74	chr3	3p21.2	26	54.34

Hs.555130	10.74	chr11	N/A	1	0.00
Hs.640567	10.74	chr11	N/A	3	34.59
Hs.632871	10.74	chr18	N/A	7	57.89
Hs.736256	10.74	chr2	N/A	1	0.00
Hs.571140	10.73	chr6	N/A	3	82.63
Hs.270593	10.73	chr11	N/A	6	37.31
Hs.545649	10.73	chr9	N/A	3	95.47
Hs.581004	10.73	chr22	N/A	3	37.23
Hs.564017	10.73	chr10	N/A	3	40.77
Hs.116157	10.73	chr10	N/A	10	88.85
Hs.653123	10.73	chr15	N/A	11	66.77
Hs.99250	10.73	chr2	N/A	3	61.71
Hs.23589	10.73	chr6	N/A	11	99.02
Hs.668009	10.73	chr2	N/A	1	0.00
LOC644554	10.73	chr19	19q13.13	3	60.69
Hs.546100	10.73	chrX	N/A	3	15.66
LOC100287177	10.73	chr19	19q13.32	1	0.00
Hs.484889	10.73	chr6	N/A	3	90.95
Hs.298228	10.73	chr4	N/A	3	51.95
RFPL4A	10.72	chr19	19q13.42	2	43.25
Hs.733990	10.72	chr1	N/A	2	63.36
Hs.696660	10.72	chr9	N/A	1	0.00
Hs.668639	10.72	chr1	N/A	2	7.49
Hs.734052	10.72	chr12	N/A	1	0.00
Hs.126573	10.72	chr9	N/A	18	45.86
Hs.496730	10.72	chrX	N/A	3	31.21
LOC100131034	10.72	chr14	14q32.33	3	33.91
C4orf36	10.72	chr4	4q21.3	19	92.94
ANXA10	10.72	chr4	4q33	30	96.33
Hs.584144	10.72	chr9	N/A	3	91.04
Hs.49653	10.72	chr5	N/A	6	52.24
KRTAP10-4	10.72	chr21	21q22.3	6	36.98
Hs.601161	10.71	chr10	N/A	7	53.18
Hs.148538	10.71	chr10	N/A	3	51.63
GALNT12	10.71	chr9	9q22.33	36	90.76
Hs.565871	10.71	chr3	N/A	3	44.09
Hs.565913	10.71	chr3	N/A	3	20.27
Hs.662065	10.71	chr12	N/A	15	59.11
Hs.595489	10.71	chr10	N/A	7	84.91
Hs.582469	10.71	chr5	N/A	3	45.48
Hs.564261	10.71	chr11	N/A	3	80.99
ADAMTS14	10.71	chr10	10q21	52	80.92
Hs.563268	10.71	chr5	N/A	3	45.29
OR5B2	10.71	chr11	11q12.1	3	48.43
Hs.567136	10.71	chrX	N/A	3	48.88
Hs.656954	10.71	chr17	N/A	8	83.31
Hs.129851	10.71	chr2	N/A	7	41.25
Hs.599962	10.71	chr7	N/A	7	108.04
Hs.207423	10.71	chr19	N/A	1	0.00
Hs.617524	10.70	chrX	N/A	3	34.22
Hs.663708	10.70	chr3	N/A	7	91.73
FAM26D	10.70	chr6	6q22.1	12	86.09
ZNF235	10.70	chr19	19q13.2	43	70.78
LSM11	10.70	chr5	5q33.3	30	86.48
CLEC4A	10.70	chr12	12p13	36	60.01
OVOS2	10.70	chr12	12p11.21	26	57.34
Hs.656240	10.70	chr17	N/A	7	64.15
Hs.650798	10.70	chr2	N/A	3	43.03
Hs.566260	10.70	chr5	N/A	3	40.44
Hs.232535	10.70	chr10	N/A	3	60.24
ZNF233	10.70	chr19	19q13.31	27	58.85
Hs.538836	10.70	chr11	N/A	3	28.19
Hs.603187	10.70	chr16	N/A	8	117.37
NEXN-AS1	10.70	chr1	1p31.1	14	92.35
Hs.666411	10.70	chr10	N/A	7	38.84
Hs.634674	10.70	chr11	N/A	8	128.04

SCGB1D1	10.70	chr11	11q13	23	86.29
Hs.658589	10.70	chr12	N/A	8	122.40
LOC100128909	10.70	chr9	9q22.2-q22.31	6	85.72
Hs.574704	10.69	chr2	N/A	3	98.72
Hs.537730	10.69	chr1	N/A	3	54.23
Hs.147007	10.69	chr8	N/A	2	23.48
Hs.538595	10.69	chr10	N/A	3	111.53
Hs.582999	10.69	chr6	N/A	3	63.07
Hs.539713	10.69	chr13	N/A	3	45.22
Hs.297628	10.69	chr1	N/A	4	82.97
GJA8	10.69	chr1	1q21.1	23	77.29
Hs.135737	10.69	chr18	N/A	2	49.58
LINC00308	10.69	chr21	21q21.1	17	101.84
MAK	10.69	chr6	6p24	37	103.53
Hs.666550	10.69	chr15	N/A	11	41.50
Hs.564519	10.69	chr13	N/A	3	52.26
Hs.710049	10.69	chr19	N/A	1	0.00
Hs.635001	10.69	chr21	N/A	2	16.10
ZBED3-AS1	10.69	chr5	5q13.3	10	46.51
Hs.580335	10.69	chr2	N/A	6	32.06
Hs.580011	10.69	chr2	N/A	3	70.01
Hs.600501	10.69	chr17	N/A	7	40.09
MMS22L	10.68	chr6	6q16.1	63	111.90
Hs.655709	10.68	chr6	N/A	8	58.79
Hs.582384	10.68	chr5	N/A	3	18.10
Hs.666628	10.68	chr8	N/A	7	96.67
Hs.602243	10.68	chr3	N/A	10	69.67
Hs.666995	10.68	chr12	N/A	7	91.04
Hs.132574	10.68	chr16	N/A	13	58.00
DNAJC3-AS1	10.68	chr13	13q32.1	24	44.00
Hs.520115	10.68	chr6	N/A	3	29.01
WISP3	10.68	chr6	6q21	29	103.32
Hs.724108	10.68	chr7	N/A	5	84.59
SSMEM1	10.68	chr7	7q32.2	20	121.25
ADCY10	10.68	chr1	1q24	47	77.51
Hs.436787	10.68	chrX	N/A	8	32.82
Hs.125337	10.68	chr12	N/A	10	65.57
LOC100506207	10.68	chr6	N/A	10	56.05
Hs.61587	10.67	chr4	N/A	7	89.08
Hs.540966	10.67	chr18	N/A	10	83.30
Hs.258266	10.67	chr16	N/A	3	69.16
LOC100131756	10.67	chr1	1p34.2	11	46.55
TMEM190	10.67	chr19	19q13.42	17	44.51
Hs.436076	10.67	chr21	N/A	3	88.97
LOC643696	10.67	chr15	15q25.2	3	61.70
Hs.603182	10.67	chr19	N/A	7	48.53
Hs.552421	10.67	chr17	N/A	6	60.26
Hs.162595	10.67	chr1	N/A	1	0.00
SERPINB11	10.67	chr18	N/A	22	86.39
Hs.552244	10.67	chr18	N/A	3	56.68
ERP27	10.67	chr12	12p12.3	26	95.27
LGII	10.67	chr10	10q24	33	118.62
Hs.568571	10.66	chr1	N/A	3	76.32
HPGD	10.66	chr4	4q34-q35	79	161.23
PRTG	10.66	chr15	15q21.3	56	93.63
Hs.538966	10.66	chr11	N/A	3	23.80
ATP2C2	10.66	chr16	16q24.1	29	92.13
Hs.603898	10.66	chr1	N/A	3	105.22
Hs.539137	10.66	chr15	N/A	3	92.53
Hs.571183	10.66	chr6	N/A	5	85.07
KRTAP23-1	10.66	chr21	21q22.1	6	56.97
DEFB105B	10.66	chr8	8p23.1	14	46.86
Hs.541015	10.66	chr18	N/A	3	20.79
Hs.581231	10.66	chr3	N/A	3	37.13
Hs.575773	10.65	chr1	N/A	3	23.34
Hs.127393	10.65	chr9	N/A	10	71.63

Hs.638418	10.65	chr7	N/A	10	84.04
Hs.553083	10.65	chr4	N/A	4	7.79
Hs.71825	10.65	chr1	N/A	10	83.34
Hs.534101	10.65	chr2	N/A	7	38.77
Hs.666623	10.65	chr18	N/A	7	100.63
Hs.149042	10.65	chr2	N/A	5	32.72
Hs.579062	10.65	chr17	N/A	3	83.90
C8orf86	10.65	chr8	8p11.22	3	18.37
Hs.735112	10.65	chr1	N/A	1	0.00
Hs.734931	10.65	chr5	N/A	1	0.00
Hs.622144	10.65	chr5	N/A	3	58.94
Hs.96693	10.64	chr4	N/A	7	82.14
Hs.734211	10.64	chr3	N/A	2	49.83
Hs.659099	10.64	chr17	N/A	7	50.52
Hs.600891	10.64	chr1	N/A	7	80.26
Hs.635541	10.64	chr3	N/A	10	55.60
CLDN17	10.64	chr21	21q22.11	21	95.55
Hs.666843	10.64	chr20	N/A	7	35.70
Hs.579439	10.64	chr18	N/A	3	71.02
Hs.146469	10.64	chr12	N/A	2	3.61
MAGEB4	10.64	chrX	Xp21.3	28	221.82
Hs.609037	10.64	chr16	N/A	3	40.25
Hs.437130	10.64	chr1	N/A	6	55.36
Hs.543633	10.64	chr4	N/A	3	32.92
FAM3D	10.64	chr3	3p14.2	40	68.72
OVOS	10.64	chr12	12p13	3	68.68
Hs.544631	10.64	chr6	N/A	3	36.58
PIK3R6	10.63	chr17	17p13.1	20	51.14
Hs.667299	10.63	chr5	N/A	2	15.40
Hs.98619	10.63	chr4	N/A	11	87.77
Hs.544645	10.63	chr6	N/A	3	58.82
Hs.582300	10.63	chr5	N/A	3	100.22
Hs.595371	10.63	chr3	N/A	14	51.24
Hs.655540	10.63	chr14	N/A	7	35.23
Hs.687325	10.63	chr1	N/A	8	75.93
Hs.128091	10.63	chr4	N/A	10	80.40
Hs.543114	10.63	chr3	N/A	3	52.42
COL22A1	10.63	chr8	8q24.3	33	117.37
Hs.657130	10.63	chr17	N/A	8	83.27
Hs.664908	10.63	chr21	N/A	2	6.31
PVRL3-AS1	10.63	chr3	N/A	11	92.01
Hs.562344	10.63	chr11	N/A	3	56.20
Hs.483104	10.63	chr5	N/A	7	86.36
Hs.569462	10.63	chr15	N/A	7	67.03
LOC100505795	10.63	chr1	N/A	7	48.10
Hs.667636	10.62	chr21	N/A	7	76.67
C9orf169	10.62	chr9	9q34.3	10	58.74
Hs.567095	10.62	chr9	N/A	2	53.90
Hs.595139	10.62	chr2	N/A	1	0.00
Hs.702322	10.62	chr9	N/A	1	0.00
Hs.655867	10.62	chr17	N/A	7	101.04
Hs.129329	10.62	chr7	N/A	5	63.38
SLCO4C1	10.62	chr5	5q21.2	39	95.32
RCVRN	10.62	chr17	17p13.1	23	148.28
Hs.555199	10.62	chr3	N/A	1	0.00
BHMT	10.62	chr5	5q14.1	41	81.95
Hs.569523	10.62	chr15	N/A	3	33.13
Hs.713955	10.62	chr3	N/A	3	55.51
Hs.143713	10.62	chr19	N/A	7	56.53
LOC100996795	10.62	chr7	N/A	7	51.20
Hs.555421	10.62	chr10	N/A	3	62.10
Hs.545556	10.61	chr8	N/A	3	10.74
BAIAP3	10.61	chr16	16p13.3	28	129.83
HOXB-AS3	10.61	chr17	17q21.32	17	76.70
AR SJ	10.61	chr4	4q26	30	104.62
Hs.564504	10.61	chr12	N/A	28	76.42

Hs.656095	10.61	chr13	N/A	7	45.68
SPIN4	10.61	chrX	Xq11.1	33	93.16
Hs.732850	10.61	chr5	N/A	9	52.38
Hs.593720	10.61	chr3	N/A	2	18.08
Hs.539949	10.61	chr14	N/A	3	52.39
Hs.541893	10.61	chr2	N/A	3	59.57
Hs.559981	10.61	chr11	N/A	3	19.35
PCAT1	10.61	chr8	8q24.21	3	98.41
OR8J1	10.61	chr11	11q12.1	19	112.07
Hs.552550	10.61	chr4	N/A	3	18.81
Hs.540780	10.61	chr17	N/A	17	83.84
Hs.541714	10.61	chr2	N/A	3	76.84
Hs.291235	10.61	chr1	N/A	7	27.85
Hs.629360	10.60	chr2	N/A	10	82.41
Hs.584040	10.60	chr9	N/A	3	59.68
Hs.734385	10.60	chr6	N/A	1	0.00
Hs.604163	10.60	chr12	N/A	3	75.58
IFNA1	10.60	chr9	9p22	13	62.93
Hs.656792	10.60	chr5	N/A	1	0.00
Hs.661970	10.60	chr7	N/A	7	62.88
Hs.658787	10.60	chr3	N/A	13	66.49
Hs.574183	10.60	chr14	N/A	3	40.27
PIWIL3	10.60	chr22	22q11.23	18	42.46
Hs.613725	10.60	chr6	N/A	10	111.23
SIRPD	10.59	chr20	20p13	43	110.70
Hs.546167	10.59	chrX	N/A	3	9.30
Hs.603770	10.59	chr15	N/A	2	29.67
Hs.604318	10.59	chr12	N/A	7	113.70
Hs.734399	10.59	chr3	N/A	1	0.00
SLC1A6	10.59	chr19	19p13.12	35	87.81
SLC12A1	10.59	chr15	15q15-q21.1	62	81.47
Hs.528312	10.59	chr1	N/A	7	90.51
Hs.544062	10.59	chr5	N/A	3	49.77
Hs.738255	10.58	chr5	N/A	3	54.79
Hs.637109	10.58	chr2	N/A	3	20.75
Hs.539760	10.58	chr13	N/A	3	46.50
Hs.293024	10.58	chr11	N/A	8	69.27
Hs.606151	10.58	chr15	N/A	3	59.58
Hs.568682	10.58	chr1	N/A	8	23.50
Hs.207484	10.58	chr15	N/A	3	59.61
Hs.656810	10.58	chr15	N/A	18	130.25
Hs.599826	10.58	chr8	N/A	7	92.49
DISC2	10.58	chr1	1q42.1	3	74.26
Hs.660469	10.58	chr2	N/A	7	71.92
Hs.633582	10.58	chr14	N/A	3	51.97
Hs.545096	10.58	chr7	N/A	3	118.54
STK4-AS1	10.58	chr20	N/A	11	25.65
Hs.402364	10.58	chr16	N/A	3	71.59
ATP4A	10.58	chr19	19q13.1	23	123.33
ZFAND4	10.58	chr10	10q11.22	22	48.61
Hs.737693	10.58	chr5	N/A	5	67.54
Hs.659303	10.58	chr6	N/A	3	97.94
Hs.233134	10.58	chr2	N/A	3	36.68
Hs.658565	10.58	chr6	N/A	15	73.73
Hs.734122	10.58	chr1	N/A	2	28.81
Hs.736518	10.58	chr3	N/A	3	45.27
Hs.662438	10.58	chr2	N/A	2	18.99
LOC100996385	10.58	chr5	N/A	21	38.66
Hs.550012	10.57	chr1	N/A	3	36.03
GRAMD1C	10.57	chr3	3q13.31	52	91.64
PRSS48	10.57	chr4	4q31.3	12	112.89
Hs.192637	10.57	chr6	N/A	3	19.89
Hs.352355	10.57	chr8	N/A	3	33.68
Hs.578390	10.57	chr14	N/A	3	42.74
Hs.578498	10.57	chr15	N/A	3	15.93
Hs.635223	10.57	chr19	N/A	7	45.69

NTRK1	10.57	chr1	1q21-q22	44	93.14
Hs.662182	10.57	chr14	N/A	1	0.00
AK7	10.57	chr14	14q32.2	47	108.02
Hs.633518	10.57	chr5	N/A	19	85.87
IL37	10.57	chr2	2q12-q14.1	28	68.16
Hs.543899	10.57	chr5	N/A	5	49.74
Hs.581833	10.57	chr4	N/A	3	41.19
LRRC52	10.57	chr1	1q24.1	6	73.43
Hs.570535	10.57	chr3	N/A	5	50.16
ARNTL2	10.57	chr12	12p12.2-p11.2	51	102.48
Hs.520343	10.57	chr6	N/A	3	99.69
Hs.666541	10.57	chr12	N/A	7	60.39
Hs.160849	10.57	chr16	N/A	3	49.81
Hs.545077	10.57	chr7	N/A	3	13.46
Hs.580496	10.57	chr2	N/A	3	62.12
Hs.567985	10.56	chr9	N/A	7	36.37
Hs.563387	10.56	chr6	N/A	3	33.76
Hs.569266	10.56	chr13	N/A	6	39.83
Hs.543860	10.56	chr5	N/A	3	16.88
Hs.128234	10.56	chr11	N/A	6	43.59
Hs.667007	10.56	chr10	N/A	3	36.75
MAGEA5	10.56	chrX	Xq28	19	59.37
DYNLRB2	10.56	chr16	16q23.3	26	97.45
TRIM71	10.56	chr3	3p22.3	8	47.79
LOC143188	10.56	chr10	10q25.2	4	83.24
Hs.666908	10.56	chr3	N/A	14	50.33
CXorf65	10.56	chrX	Xq13.1	17	104.96
Hs.603498	10.56	chr6	N/A	7	43.19
DBX1	10.56	chr11	11p15.1	5	90.40
Hs.539409	10.56	chr12	N/A	3	58.24
Hs.610002	10.56	chr10	N/A	10	35.19
Hs.657675	10.55	chr5	N/A	14	73.76
RBMY1A1	10.55	chrY	Yq11.223	38	91.99
SVOPL	10.55	chr7	7q34	28	74.25
Hs.308627	10.55	chr8	N/A	5	80.22
Hs.668507	10.55	chr12	N/A	1	0.00
Hs.148956	10.55	chr5	N/A	2	14.39
TMPRSS11A	10.55	chr4	4q13.2	19	145.00
Hs.648716	10.55	chr9	N/A	7	86.53
Hs.542675	10.55	chr22	N/A	3	96.85
TRNAQ1	10.55	chr17	17p13.1	3	17.62
ARHGEF5	10.55	chr7	7q35	41	73.24
Hs.599849	10.55	chr12	N/A	7	96.20
Hs.544539	10.55	chr6	N/A	3	45.26
Hs.161174	10.55	chr18	N/A	3	28.80
Hs.734791	10.55	chr17	N/A	1	0.00
Hs.542501	10.55	chr20	N/A	3	38.39
Hs.739123	10.54	chr12	N/A	3	38.89
PLA2G2E	10.54	chr1	1p36.13	21	36.57
Hs.18891	10.54	chr1	N/A	11	44.66
LOC100507562	10.54	chr2	N/A	11	71.62
ZG16B	10.54	chr16	16p13.3	21	70.61
PHEX	10.54	chrX	Xp22.2-p22.1	23	60.47
Hs.722210	10.54	chr7	N/A	3	30.97
HES2	10.54	chr1	1p36.31	68	88.34
CECR3	10.54	chr22	N/A	4	74.59
Hs.542409	10.54	chr20	N/A	3	53.35
EXOC3L1	10.54	chr16	16q22.1	30	89.72
Hs.668955	10.54	chr5	N/A	1	0.00
WFIKKN2	10.54	chr17	17q21.33	29	78.86
Hs.634728	10.54	chr11	N/A	7	59.71
Hs.664426	10.54	chr4	N/A	3	20.66
MARCH10	10.54	chr17	17q23.2	28	87.94
Hs.543498	10.54	chr4	N/A	3	59.04
LINC00202-2	10.54	chr10	10p12.1	28	66.36
Hs.541195	10.54	chr19	N/A	3	107.52

C21orf49	10.54	chr21	21q22.11	29	84.85
Hs.613817	10.54	chr7	N/A	3	26.56
Hs.123278	10.54	chr3	N/A	9	79.22
Hs.656064	10.54	chr6	N/A	1	0.00
Hs.604626	10.54	chr12	N/A	7	140.01
Hs.592015	10.54	chr15	N/A	8	118.92
Hs.575333	10.53	chr6	N/A	3	6.73
CYP4F11	10.53	chr19	19p13.1	40	106.17
Hs.12787	10.53	chr9	N/A	17	57.27
LOC100130950	10.53	chr17	17p13.2	13	48.13
Hs.544213	10.53	chr5	N/A	3	44.92
Hs.606738	10.53	chr3	N/A	10	164.24
PIWIL1	10.53	chr12	12q24.33	37	78.99
Hs.529758	10.53	chr8	N/A	2	65.80
CERKL	10.53	chr2	2q31.3	38	89.56
Hs.566938	10.53	chr8	N/A	3	94.69
Hs.199739	10.53	chr16	N/A	14	71.51
Hs.635132	10.52	chr18	N/A	7	54.47
Hs.444131	10.52	chr2	N/A	3	49.75
POU3F1	10.52	chr1	1p34.1	46	88.83
LOC727944	10.52	chr2	2p25.3	11	84.15
Hs.543999	10.52	chr5	N/A	10	133.40
Hs.434593	10.52	chr9	N/A	4	57.71
Hs.475809	10.52	chr3	N/A	2	89.34
FAM122C	10.52	chrX	Xq26.3	39	54.78
Hs.148132	10.52	chr18	N/A	7	42.61
LOC100507066	10.52	chr12	N/A	8	70.97
Hs.663008	10.52	chr13	N/A	1	0.00
ERCC6L	10.52	chrX	Xq13.1	29	144.31
Hs.320872	10.52	chr5	N/A	5	92.93
Hs.657445	10.52	chr18	N/A	8	76.42
Hs.532515	10.52	chr11	N/A	3	67.69
LOC100505835	10.52	chr19	N/A	2	59.21
Hs.538638	10.52	chr10	N/A	3	67.37
Hs.552272	10.52	chr5	N/A	3	43.52
SATB2-AS1	10.52	chr2	2q33.1	17	49.38
LOC284648	10.52	chr1	1q25.3	21	121.74
Hs.472847	10.52	chr20	N/A	8	51.42
FAM224A	10.51	chrY	Yq11.222	8	107.03
Hs.596961	10.51	chr13	N/A	7	51.23
OR2M3	10.51	chr1	1q44	9	55.80
OVOL1	10.51	chr11	11q13	44	103.15
Hs.539664	10.51	chr13	N/A	3	40.18
Hs.555118	10.51	chr10	N/A	3	57.47
Hs.722409	10.51	chr15	N/A	3	54.11
Hs.594374	10.51	chr12	N/A	8	48.12
PCDHA9	10.51	chr5	5q31	3	124.82
TMC5	10.51	chr16	16p12.3	39	115.40
Hs.581593	10.51	chr3	N/A	3	79.48
Hs.561339	10.51	chr4	N/A	3	35.92
LOC100505609	10.51	chr3	N/A	12	53.37
Hs.603465	10.51	chr6	N/A	7	82.55
IGHA2	10.51	chr14	14q32.33	5	62.69
Hs.538759	10.51	chr11	N/A	3	53.73
Hs.675463	10.51	chr19	N/A	10	15.31
Hs.658961	10.51	chr5	N/A	8	53.52
Hs.348256	10.51	chr6	N/A	3	56.72
Hs.540218	10.51	chr15	N/A	3	70.36
REG3G	10.50	chr2	2p12	24	78.65
Hs.561996	10.50	chrX	N/A	3	64.31
Hs.565117	10.50	chr18	N/A	3	21.46
Hs.269571	10.50	chr2	N/A	13	97.39
Hs.566356	10.50	chr5	N/A	3	81.60
Hs.540897	10.50	chr17	N/A	3	47.69
Hs.25028	10.50	chr3	N/A	3	38.51
TRIML1	10.50	chr4	4q35.2	20	138.91

Hs.663275	10.50	chr22	N/A	7	52.89
Hs.312166	10.50	chr14	N/A	3	23.18
Hs.574010	10.50	chr12	N/A	3	53.75
LOC400752	10.50	chr1	1p34.1	14	100.45
MTFR2	10.50	chr6	6q23.3	24	81.89
TEX35	10.50	chr1	1q25.2	31	98.89
Hs.565141	10.50	chr18	N/A	3	46.96
PNMAL2	10.50	chr19	19q13.32	20	61.16
Hs.673636	10.50	chr14	N/A	1	0.00
Hs.660152	10.50	chr19	N/A	1	0.00
Hs.466729	10.50	chr1	N/A	8	68.66
Hs.540032	10.50	chr14	N/A	4	69.63
Hs.581565	10.50	chr3	N/A	3	24.35
Hs.603696	10.49	chr17	N/A	2	24.00
Hs.657625	10.49	chr2	N/A	7	51.79
Hs.656087	10.49	chr8	N/A	8	114.18
FAM47E	10.49	chr4	4q21.1	20	56.98
Hs.456465	10.49	chr1	N/A	7	56.50
Hs.327663	10.49	chr8	N/A	3	18.08
Hs.187333	10.49	chr2	N/A	3	70.21
FMR1NB	10.49	chrX	Xq28	24	182.26
Hs.735594	10.49	chr2	N/A	1	0.00
Hs.661285	10.49	chr3	N/A	15	65.34
Hs.667174	10.49	chr1	N/A	2	87.28
Hs.729086	10.49	chr2	N/A	14	49.73
OR4A5	10.49	chr11	11p11.12	5	66.54
C9orf172	10.49	chr9	9q34.3	6	58.28
Hs.561094	10.49	chr22	N/A	4	31.20
GPX5	10.49	chr6	6p22.1	35	65.91
Hs.658692	10.49	chr13	N/A	1	0.00
LOC100507639	10.49	chr4	N/A	10	32.46
Hs.658687	10.49	chr19	N/A	7	88.78
Hs.543811	10.48	chr5	N/A	7	96.96
C16orf55	10.48	chr16	16q24.3	37	83.30
PAH	10.48	chr12	12q22-q24.2	41	112.63
Hs.587644	10.48	chr10	N/A	15	136.53
IQCH-AS1	10.48	chr15	15q23	11	59.45
Hs.656829	10.48	chr6	N/A	8	95.55
Hs.655431	10.48	chr14	N/A	3	7.07
Hs.541749	10.48	chr2	N/A	3	46.55
Hs.150671	10.48	chr3	N/A	7	62.29
CD180	10.47	chr5	5q12	30	95.59
TEX12	10.47	chr11	11q22	28	139.65
Hs.660361	10.47	chr14	N/A	4	46.83
Hs.581864	10.47	chr4	N/A	3	49.03
Hs.149883	10.47	chr21	N/A	3	44.97
Hs.545839	10.47	chr9	N/A	3	24.49
RBM11	10.47	chr21	21q11	26	91.78
Hs.616780	10.47	chr4	N/A	1	0.00
Hs.666173	10.47	chr3	N/A	14	49.18
Hs.603908	10.47	chr21	N/A	3	84.85
Hs.574860	10.47	chr22	N/A	14	65.34
Hs.662740	10.47	chr18	N/A	7	63.17
Hs.207117	10.47	chr22	N/A	3	32.48
OTP	10.47	chr5	5q13.3	43	106.25
SNORA37	10.47	chr18	18q21.2	1	0.00
Hs.606172	10.47	chr21	N/A	1	0.00
Hs.545647	10.46	chr9	N/A	3	35.48
LINC00607	10.46	chr2	2q35	1	0.00
B3GNT3	10.46	chr19	19p13.1	30	63.85
Hs.562223	10.46	chr1	N/A	3	44.14
Hs.668441	10.46	chr11	N/A	1	0.00
Hs.668448	10.46	chr7	N/A	7	67.26
KCNB2	10.46	chr8	8q13.2	35	108.37
Hs.635615	10.46	chr3	N/A	1	0.00
Hs.486048	10.46	chr6	N/A	3	62.04

SYNPR	10.46	chr3	3p14.2	19	70.93
Hs.637231	10.46	chr1	N/A	3	52.87
SLC2A2	10.46	chr3	3q26.1-q26.2	55	121.62
Hs.553145	10.46	chr7	N/A	2	57.48
Hs.743926	10.46	chr8	N/A	8	17.13
Hs.562844	10.46	chr2	N/A	3	38.15
Hs.145649	10.46	chr2	N/A	17	107.29
Hs.565145	10.46	chr18	N/A	3	83.19
Hs.571370	10.46	chr7	N/A	3	51.93
Hs.157714	10.46	chr11	N/A	8	54.99
Hs.207135	10.46	chr12	N/A	3	49.45
Hs.565003	10.46	chr17	N/A	6	45.11
ZNF597	10.45	chr16	16p13.3	29	90.48
Hs.666469	10.45	chr6	N/A	8	77.76
Hs.563383	10.45	chr6	N/A	10	83.32
Hs.602804	10.45	chr15	N/A	2	6.93
Hs.600685	10.45	chr6	N/A	7	73.85
IFLTD1	10.45	chr12	12p12.1	22	136.74
Hs.666627	10.45	chr13	N/A	14	71.98
Hs.53687	10.45	chr6	N/A	10	83.13
AGBL2	10.45	chr11	11p11.2	24	51.74
Hs.666103	10.45	chr4	N/A	7	148.02
LOC100130468	10.45	chr18	18p11.22	1	0.00
Hs.638132	10.45	chr16	N/A	3	70.32
Hs.735527	10.45	chr4	N/A	1	0.00
Hs.668331	10.44	chr10	N/A	8	37.40
Hs.580233	10.44	chr2	N/A	3	32.81
ACTR3C	10.44	chr7	7q36.1	11	68.09
Hs.744237	10.44	chr18	N/A	17	84.50
Hs.573899	10.44	chr11	N/A	3	105.51
TTLL6	10.44	chr17	17q21.32	29	48.96
Hs.563201	10.44	chr4	N/A	3	115.68
Hs.116150	10.44	chr13	N/A	8	66.42
Hs.744409	10.44	chr11	N/A	3	49.39
Hs.526866	10.44	chr5	N/A	3	24.91
Hs.666509	10.44	chr10	N/A	7	108.39
Hs.565565	10.44	chr2	N/A	3	52.06
Hs.149726	10.44	chr1	N/A	2	110.44
Hs.369415	10.44	chr2	N/A	3	37.92
Hs.667875	10.44	chr3	N/A	7	98.89
Hs.649316	10.44	chr3	N/A	2	67.30
Hs.616290	10.44	chr8	N/A	3	57.20
Hs.124672	10.43	chr22	N/A	21	95.55
Hs.546062	10.43	chrX	N/A	3	72.03
Hs.126714	10.43	chr16	N/A	3	36.49
GRIN2B	10.43	chr12	12p12	35	139.56
Hs.376443	10.43	chr15	N/A	7	84.91
Hs.644687	10.43	chr17	N/A	11	70.90
Hs.541613	10.43	chr2	N/A	3	102.50
TFDP3	10.43	chrX	Xq26.2	23	122.63
SSTR1	10.43	chr14	14q13	52	105.40
Hs.539026	10.43	chr11	N/A	3	49.59
Hs.645704	10.43	chr19	N/A	3	35.59
Hs.658744	10.43	chr3	N/A	8	87.79
Hs.443670	10.43	chr2	N/A	8	75.31
Hs.637699	10.43	chr2	N/A	14	118.45
Hs.597030	10.43	chr18	N/A	7	52.02
Hs.74082	10.43	chr12	N/A	7	70.99
SLC39A5	10.43	chr12	12q13.3	32	43.86
Hs.132453	10.42	chr20	N/A	10	77.79
Hs.581659	10.42	chr3	N/A	3	75.11
GRAPL	10.42	chr17	17p11.2	21	58.04
Hs.541929	10.42	chr2	N/A	3	23.64
Hs.544912	10.42	chr7	N/A	3	92.13
HES3	10.42	chr1	1p36.31	3	16.57
Hs.121167	10.42	chr4	N/A	17	112.59

Hs.610707	10.42	chr6	N/A	3	55.35
Hs.659793	10.42	chr6	N/A	7	53.30
LOC100131655	10.42	chr18	N/A	1	0.00
FLJ13224	10.42	chr12	12p11.21	21	108.36
C5orf64	10.42	chr5	5q12.1	17	70.97
Hs.438944	10.42	chr13	N/A	3	50.82
Hs.135421	10.42	chr13	N/A	10	51.33
SP140L	10.42	chr2	2q37.1	49	80.57
Hs.710358	10.41	chr17	N/A	8	39.53
KRT36	10.41	chr17	17q12-q21	21	107.29
CUZD1	10.41	chr10	10q26.13	25	110.38
Hs.715019	10.41	chr11	N/A	1	0.00
OBP2A	10.41	chr9	9q34	23	117.15
Hs.704682	10.41	chr2	N/A	3	79.69
Hs.563551	10.41	chr8	N/A	4	48.05
Hs.542923	10.41	chr3	N/A	3	85.14
Hs.546115	10.41	chrX	N/A	3	25.98
Hs.565144	10.41	chr18	N/A	3	12.70
Hs.665959	10.41	chr4	N/A	14	78.64
ABC8	10.41	chr7	7q36	46	69.90
LINC00051	10.41	chr8	8q24.3	4	35.13
Hs.595696	10.41	chr7	N/A	2	36.77
Hs.602531	10.41	chr5	N/A	3	34.59
Hs.660706	10.41	chr11	N/A	2	26.60
Hs.515725	10.41	chr19	N/A	3	7.62
Hs.146446	10.41	chr3	N/A	3	41.24
Hs.565600	10.41	chr2	N/A	1	0.00
LOC375295	10.41	chr2	2q31.1	53	101.86
USF1	10.41	chr1	1q22-q23	20	124.68
Hs.127791	10.41	chr8	N/A	21	72.07
Hs.665343	10.40	chr9	N/A	1	0.00
Hs.540751	10.40	chr17	N/A	3	53.08
Hs.580665	10.40	chr20	N/A	3	82.60
Hs.224053	10.40	chr21	N/A	3	44.36
ACSM2B	10.40	chr16	16p12.3	81	142.13
EDA2R	10.40	chrX	Xq12	21	121.93
Hs.664142	10.40	chr10	N/A	7	139.96
Hs.661351	10.40	chr7	N/A	7	74.01
Hs.552502	10.40	chr21	N/A	3	98.71
Hs.442306	10.40	chr1	N/A	10	51.03
Hs.603608	10.40	chr20	N/A	15	42.43
Hs.543032	10.40	chr3	N/A	3	88.27
Hs.657663	10.40	chr11	N/A	2	34.52
CT45A3	10.40	chrX	Xq26.3	4	50.64
Hs.573484	10.39	chr9	N/A	10	113.72
Hs.253147	10.39	chr6	N/A	3	45.97
LRR1M2	10.39	chr5	5q31.2	3	19.78
CFTR	10.39	chr7	7q31.2	77	66.66
Hs.552045	10.39	chr3	N/A	3	34.10
Hs.183070	10.39	chr2	N/A	2	50.16
Hs.386685	10.39	chr21	N/A	7	51.17
C14orf183	10.39	chr14	14q21.3	14	79.11
Hs.664521	10.39	chr8	N/A	15	89.88
Hs.657901	10.39	chr17	N/A	8	55.88
Hs.542083	10.39	chr2	N/A	3	33.70
Hs.569646	10.39	chr16	N/A	11	56.20
Hs.565636	10.39	chr20	N/A	3	67.05
LOC100131067	10.38	chr5	5q14.1	26	58.78
Hs.560038	10.38	chr12	N/A	2	55.40
CXorf28	10.38	chrX	Xp22.33	3	72.27
Hs.130534	10.38	chrX	N/A	3	71.19
Hs.561764	10.38	chr7	N/A	3	59.63
CYP24A1	10.38	chr20	20q13	40	57.22
Hs.418822	10.38	chr13	N/A	7	64.55
RFX4	10.38	chr12	12q24	59	113.52
Hs.598380	10.38	chr15	N/A	3	55.59

Hs.674033	10.38	chr2	N/A	1	0.00
Hs.662890	10.37	chr11	N/A	7	56.36
Hs.674571	10.37	chr5	N/A	1	0.00
CCDC150	10.37	chr2	2q33.1	72	81.68
Hs.566988	10.37	chr9	N/A	3	20.35
LOC100507367	10.37	chr6	N/A	3	67.84
Hs.529566	10.37	chr7	N/A	18	53.38
LOC100507568	10.37	chr15	N/A	23	145.37
Hs.14747	10.37	chr6	N/A	7	69.61
Hs.525681	10.37	chr12	N/A	3	46.41
Hs.544744	10.37	chr6	N/A	3	59.88
Hs.662590	10.37	chr11	N/A	7	83.69
Hs.562454	10.37	chr12	N/A	1	0.00
Hs.160711	10.37	chr14	N/A	4	51.58
AGMAT	10.37	chr1	1p36.21	46	85.17
Hs.663731	10.37	chr8	N/A	7	43.03
CLUL1	10.37	chr18	18p11.32	32	133.99
LIPF	10.37	chr10	10q23.31	28	120.50
GUCY2C	10.37	chr12	12p12	42	75.88
Hs.542086	10.36	chr2	N/A	10	69.59
Hs.666262	10.36	chr6	N/A	1	0.00
Hs.127109	10.36	chr17	N/A	2	58.01
LOC648691	10.36	chr22	N/A	4	47.50
Hs.666670	10.36	chr5	N/A	7	104.26
Hs.661389	10.36	chr1	N/A	14	68.71
Hs.593912	10.36	chr17	N/A	3	111.13
Hs.539191	10.36	chr12	N/A	7	95.33
Hs.543895	10.36	chr5	N/A	3	48.60
Hs.445910	10.36	chr5	N/A	7	66.99
Hs.440518	10.36	chr6	N/A	3	33.62
Hs.601573	10.36	chr8	N/A	7	123.88
PIK3C2G	10.36	chr12	12p12	51	85.63
HAS1	10.36	chr19	19q13.4	23	94.26
Hs.213330	10.36	chr2	N/A	3	24.37
Hs.631183	10.36	chr5	N/A	10	125.15
LOC100506993	10.36	chr2	N/A	3	83.47
Hs.408497	10.36	chr15	N/A	1	0.00
C10orf67	10.35	chr10	10p12.2	19	105.70
Hs.562189	10.35	chr1	N/A	3	14.30
Hs.565522	10.35	chr2	N/A	3	53.72
Hs.600714	10.35	chr6	N/A	7	79.17
Hs.568340	10.35	chr9	N/A	7	62.34
Hs.667985	10.35	chr11	N/A	7	69.16
Hs.156725	10.35	chr2	N/A	4	37.66
Hs.545026	10.35	chr7	N/A	3	65.90
SLC6A4	10.35	chr17	17q11.2	77	75.84
F2RL2	10.35	chr5	5q13	51	73.96
TRIM48	10.35	chr11	11q11	21	116.48
Hs.126106	10.35	chr16	N/A	8	15.97
Hs.690409	10.35	chr6	N/A	3	33.18
SMCP	10.35	chr1	1q21.3	30	67.75
Hs.26814	10.35	chr8	N/A	11	79.02
Hs.658820	10.35	chr9	N/A	7	124.52
Hs.663253	10.35	chr7	N/A	14	40.74
GRID2IP	10.35	chr7	7p22.1	3	47.69
Hs.655911	10.35	chr8	N/A	8	83.12
Hs.569354	10.34	chr14	N/A	3	35.02
Hs.634973	10.34	chr4	N/A	8	73.75
Hs.145560	10.34	chr5	N/A	10	113.89
Hs.538684	10.34	chr11	N/A	3	62.19
ANKS4B	10.34	chr16	16p12.2	23	49.85
Hs.326475	10.34	chr13	N/A	1	0.00
Hs.463736	10.34	chr17	N/A	3	33.61
INSL5	10.34	chr1	1p31.3	21	45.16
TRAF3IP2-AS1	10.34	chr6	6q21	15	53.32
Hs.538753	10.34	chr11	N/A	3	33.92

Hs.683934	10.34	chr8	N/A	4	51.12
Hs.736242	10.34	chr3	N/A	1	0.00
Hs.666910	10.34	chr2	N/A	14	84.04
Hs.668152	10.34	chr13	N/A	2	69.95
Hs.720559	10.34	chr9	N/A	11	45.32
PAPL	10.34	chr19	19q13.2	15	64.84
C15orf37	10.34	chr15	15q25.1	27	88.88
Hs.131218	10.33	chr17	N/A	7	107.33
Hs.721359	10.33	chr4	N/A	1	0.00
Hs.17036	10.33	chr9	N/A	14	54.52
TTC39B	10.33	chr9	9p22.3	46	74.50
Hs.634896	10.33	chr12	N/A	14	99.79
KCNA3	10.33	chr1	1p13.3	30	100.02
CLEC12A	10.33	chr12	12p13.2	28	101.15
Hs.538032	10.33	chr1	N/A	3	64.97
Hs.538884	10.33	chr11	N/A	3	59.92
Hs.560075	10.33	chr12	N/A	3	80.26
Hs.656939	10.33	chr18	N/A	8	91.00
Hs.567015	10.33	chr9	N/A	3	32.27
Hs.535040	10.33	chr7	N/A	8	107.13
LOC339666	10.32	chr22	22q12.3	1	0.00
CLEC4E	10.32	chr12	12p13.31	22	59.22
OR8B12	10.32	chr11	11q24.2	6	45.00
Hs.511399	10.32	chr15	N/A	8	36.87
Hs.663117	10.32	chr13	N/A	7	61.84
Hs.680592	10.32	chr4	N/A	2	53.77
Hs.657469	10.32	chr16	N/A	2	7.10
TMEM253	10.32	chr14	14q11.2	8	94.62
Hs.568918	10.32	chr11	N/A	5	60.30
Hs.441075	10.32	chr13	N/A	3	76.72
Hs.542386	10.32	chr20	N/A	3	55.12
Hs.543908	10.32	chr5	N/A	3	18.86
MSMB	10.32	chr10	10q11.2	65	106.00
Hs.551750	10.32	chr3	N/A	3	49.95
Hs.174942	10.32	chr3	N/A	7	42.88
Hs.548785	10.32	chr21	N/A	3	58.86
TMEM27	10.32	chrX	Xp22	40	85.92
LOC643406	10.32	chr20	20p12.3	27	52.08
Hs.545008	10.31	chr7	N/A	3	18.76
Hs.667605	10.31	chr13	N/A	3	52.35
Hs.561120	10.31	chr3	N/A	3	77.70
GDF7	10.31	chr2	2p24.1	6	57.37
Hs.554217	10.31	chr20	N/A	11	94.13
GJB5	10.31	chr1	1p35.1	30	89.16
Hs.565129	10.31	chr18	N/A	3	14.87
Hs.603692	10.31	chr16	N/A	2	90.40
IFNA5	10.31	chr9	9p22	25	52.90
Hs.726213	10.31	chr8	N/A	7	123.27
Hs.564986	10.31	chr17	N/A	3	36.02
Hs.581552	10.31	chr3	N/A	3	71.25
GH1	10.31	chr17	17q24.2	49	113.15
ESRP1	10.31	chr8	8q22.1	43	63.43
Hs.130588	10.31	chr2	N/A	6	77.73
Hs.545267	10.30	chr8	N/A	3	46.52
Hs.604334	10.30	chr7	N/A	6	81.18
Hs.570634	10.30	chr3	N/A	7	59.73
Hs.734136	10.30	chr10	N/A	3	38.46
SSX1	10.30	chrX	Xp11.23	41	102.80
Hs.601248	10.30	chr10	N/A	7	73.24
LOC100652736	10.30	chr22	N/A	3	22.25
Hs.664228	10.30	chr7	N/A	17	74.40
Hs.729145	10.30	chr17	N/A	7	52.28
RAB25	10.30	chr1	1q22	28	76.29
Hs.566189	10.30	chr4	N/A	3	52.54
LOC100129195	10.30	chr6	6p22.1	3	53.50
Hs.668398	10.30	chrX	N/A	7	60.53

Hs.177151	10.30	chr5	N/A	3	67.50
Hs.584303	10.30	chr9	N/A	3	77.15
Hs.558268	10.29	chr6	N/A	10	104.40
BTC	10.29	chr4	4q13.3	47	118.05
Hs.571565	10.29	chr9	N/A	21	52.89
LOC100129069	10.29	chr11	11q24.2	2	74.20
Hs.633756	10.29	chr4	N/A	7	70.70
Hs.147354	10.29	chr6	N/A	8	48.50
Hs.126415	10.29	chr3	N/A	20	59.25
Hs.677034	10.29	chr2	N/A	10	31.09
BTBD11	10.29	chr12	12q23.3	27	119.67
Hs.658795	10.29	chr15	N/A	15	79.50
Hs.306329	10.29	chr15	N/A	8	96.97
IGSF6	10.29	chr16	16p12.2	27	68.03
Hs.544457	10.29	chr6	N/A	3	73.94
Hs.540546	10.29	chr16	N/A	3	30.52
Hs.665311	10.28	chr1	N/A	7	53.00
ANO3	10.28	chr11	11p14.2	30	111.64
LOC100506776	10.28	chr7	7p14	25	83.90
Hs.687855	10.28	chr7	N/A	10	19.68
RTL1	10.28	chr14	14q32.2	6	70.85
Hs.664607	10.28	chr1	N/A	10	58.46
Hs.572436	10.28	chr17	N/A	2	68.52
NRSN1	10.28	chr6	6p22.3	43	163.64
Hs.655751	10.28	chr12	N/A	7	43.64
Hs.564614	10.28	chr13	N/A	6	65.18
Hs.687378	10.28	chr14	N/A	7	75.07
OR5D14	10.28	chr11	11q11	3	55.90
LOC100506124	10.28	chr2	N/A	17	100.56
Hs.583872	10.28	chr8	N/A	3	38.09
Hs.540464	10.27	chr16	N/A	5	44.05
Hs.666911	10.27	chr3	N/A	14	66.87
Hs.13480	10.27	chr8	N/A	21	93.93
SCP2D1	10.27	chr20	20p11.23	26	122.26
Hs.280881	10.27	chr14	N/A	9	49.34
Hs.687778	10.27	chr3	N/A	1	0.00
CRB1	10.27	chr1	1q31-q32.1	49	74.68
LOC100505727	10.27	chr21	N/A	2	6.73
GPR111	10.27	chr6	6p12.3	28	106.92
RETN	10.27	chr19	19p13.2	21	92.04
Hs.60371	10.27	chr11	N/A	11	53.66
Hs.731957	10.27	chr6	N/A	7	47.72
Hs.542651	10.27	chr21	N/A	3	38.27
Hs.575572	10.27	chr8	N/A	1	0.00
Hs.578107	10.27	chr14	N/A	3	82.29
LOC283701	10.27	chr15	15q13.1	10	25.77
Hs.23560	10.26	chr21	N/A	10	79.67
Hs.712929	10.26	chr3	N/A	7	56.09
Hs.543836	10.26	chr5	N/A	3	66.98
PON1	10.26	chr7	7q21.3	45	91.08
Hs.662572	10.26	chr6	N/A	7	44.17
Hs.636184	10.26	chr4	N/A	1	0.00
GALNT13	10.26	chr2	2q24.1	36	230.96
Hs.667470	10.26	chr14	N/A	3	40.59
Hs.603980	10.26	chr14	N/A	8	53.63
ZNF783	10.26	chr7	7q36.1	2	85.12
LOC441025	10.26	chr4	4q21.1	1	0.00
Hs.197017	10.26	chr8	N/A	3	46.64
CACNG7	10.26	chr19	19q13.4	22	51.87
RHD	10.26	chr1	1p36.11	68	90.66
CARD18	10.26	chr11	11q22.3	26	79.66
Hs.733582	10.26	chr7	N/A	11	28.57
NUTM2D	10.26	chr10	10q23.2	2	52.33
Hs.565532	10.26	chr2	N/A	3	21.14
Hs.560494	10.26	chr17	N/A	3	31.50
Hs.561518	10.25	chr6	N/A	3	59.07

CSAG2	10.25	chrX	Xq28	35	236.43
Hs.665299	10.25	chr22	N/A	7	71.03
NTS	10.25	chr12	12q21	33	95.68
Hs.632964	10.25	chr20	N/A	8	69.62
Hs.134945	10.25	chr2	N/A	3	51.77
ULBP3	10.25	chr6	6q25	17	60.86
Hs.542989	10.25	chr3	N/A	3	34.01
Hs.580316	10.25	chr2	N/A	3	15.34
Hs.203762	10.25	chr17	N/A	14	69.65
Hs.587843	10.25	chr15	N/A	4	60.03
INCENP	10.25	chr11	11q12.3	31	67.53
TLR8	10.25	chrX	Xp22	35	115.68
GRIK1-AS2	10.25	chr21	21q22.11	27	70.08
Hs.563844	10.25	chr1	N/A	3	49.69
Hs.146173	10.25	chr5	N/A	2	77.33
VWA3A	10.24	chr16	16p12.2	15	101.06
ZNF345	10.24	chr19	19q13.12	32	63.34
RGAG4	10.24	chrX	Xq13.1	17	64.58
FAM197Y2	10.24	chrY	Yp11.2	13	34.68
FAM153C	10.24	chr5	5q35.3	8	51.96
Hs.544892	10.24	chr7	N/A	3	13.07
Hs.566250	10.24	chr5	N/A	3	52.47
Hs.674967	10.24	chr4	N/A	1	0.00
Hs.664193	10.24	chr14	N/A	8	93.57
LOC100505991	10.24	chr1	N/A	16	70.04
FAM27L	10.24	chr17	17p11.2	16	92.23
Hs.666244	10.24	chr5	N/A	17	81.53
Hs.548534	10.24	chr17	N/A	3	24.29
Hs.663846	10.24	chr3	N/A	7	74.19
TPH2	10.24	chr12	12q21.1	39	120.27
LOC729506	10.24	chr5	5p15.31	4	40.32
Hs.667621	10.24	chr8	N/A	2	4.26
Hs.552151	10.24	chr1	N/A	15	89.84
Hs.583842	10.24	chr8	N/A	3	37.66
Hs.137218	10.24	chr6	N/A	7	122.19
Hs.734160	10.23	chr1	N/A	3	52.50
Hs.541977	10.23	chr2	N/A	3	15.41
LOC100507277	10.23	chr14	N/A	11	89.14
HCAR1	10.23	chr12	12q24.31	14	87.55
Hs.542901	10.23	chr3	N/A	8	57.78
Hs.546216	10.23	chrY	N/A	3	52.56
Hs.562118	10.23	chr1	N/A	3	55.87
Hs.673998	10.23	chr7	N/A	1	0.00
Hs.662088	10.23	chr3	N/A	1	0.00
Hs.656527	10.23	chr4	N/A	10	62.91
FAM24A	10.23	chr10	10q26.13	14	55.19
TCEB3B	10.23	chr18	18q21.1	21	78.24
Hs.656398	10.23	chr2	N/A	7	46.72
Hs.666129	10.23	chr5	N/A	7	66.82
RDH16	10.23	chr12	12q13.3	30	52.12
Hs.282194	10.23	chr1	N/A	3	25.59
Hs.209641	10.23	chr1	N/A	1	0.00
OR2M5	10.23	chr1	1q44	6	54.17
Hs.439712	10.23	chr6	N/A	10	97.22
Hs.255479	10.23	chr20	N/A	6	73.79
Hs.666584	10.23	chr7	N/A	1	0.00
Hs.551353	10.23	chr15	N/A	3	96.16
LOC441179	10.23	chr6	6q27	14	53.16
FLJ44881	10.22	chr18	18q23	3	31.25
SNORA32	10.22	chr11	11q21	3	11.18
C20orf202	10.22	chr20	20p13	15	87.50
Hs.661331	10.22	chr7	N/A	7	44.66
Hs.152812	10.22	chr2	N/A	8	70.07
Hs.545748	10.22	chr9	N/A	3	46.61
LINC00885	10.22	chr3	3q29	3	59.03
Hs.539364	10.22	chr12	N/A	3	22.30

Hs.143956	10.22	chr2	N/A	2	98.57
Hs.674612	10.22	chr16	N/A	1	0.00
FXVD4	10.22	chr10	10q11.21	31	48.98
Hs.337794	10.22	chr3	N/A	3	48.83
Hs.601173	10.22	chr13	N/A	5	104.54
Hs.522036	10.22	chr9	N/A	3	93.72
Hs.132433	10.22	chr11	N/A	7	66.38
TGIF2LY	10.22	chrY	Yp11.2	21	87.89
Hs.131541	10.22	chr6	N/A	5	76.47
Hs.364630	10.22	chr8	N/A	3	49.15
Hs.658764	10.22	chr12	N/A	7	70.42
REM2	10.22	chr14	14q11.2	17	126.43
TICRR	10.22	chr15	15q26.1	44	89.80
Hs.564146	10.22	chr10	N/A	3	66.45
Hs.658459	10.22	chr17	N/A	3	31.20
Hs.663404	10.22	chr3	N/A	7	43.68
Hs.547608	10.22	chr3	N/A	4	54.57
Hs.631949	10.22	chr5	N/A	2	6.06
Hs.609090	10.22	chr15	N/A	1	0.00
Hs.582157	10.21	chr5	N/A	3	62.23
Hs.437360	10.21	chr21	N/A	4	59.94
Hs.715903	10.21	chr12	N/A	14	103.39
Hs.545495	10.21	chr8	N/A	3	41.36
VAV3-AS1	10.21	chr1	N/A	10	69.88
Hs.545547	10.21	chr8	N/A	10	71.63
Hs.524010	10.21	chr11	N/A	3	41.91
LOC100506929	10.21	chr1	N/A	17	103.81
Hs.584556	10.21	chrX	N/A	3	36.68
Hs.171984	10.21	chr9	N/A	3	47.34
Hs.658819	10.21	chr1	N/A	8	70.16
Hs.663342	10.21	chr9	N/A	7	61.64
Hs.544125	10.21	chr5	N/A	2	53.95
KLHL11	10.21	chr17	17q21.2	24	74.10
Hs.151444	10.21	chr11	N/A	4	77.29
Hs.633503	10.21	chr18	N/A	7	67.62
SERPINA12	10.21	chr14	14q32.13	24	106.83
DAZ2	10.21	chrY	Yq11.223	61	150.10
LOC645188	10.21	chrX	Xq27.2	1	0.00
Hs.736633	10.21	chr2	N/A	3	56.19
Hs.7004	10.20	chr7	N/A	4	48.11
LOC150577	10.20	chr2	2q11.2	6	56.12
Hs.733463	10.20	chr5	N/A	7	67.74
DYDC2	10.20	chr10	10q23.1	28	105.41
BCL2L10	10.20	chr15	15q21	22	75.76
Hs.625314	10.20	chr3	N/A	3	25.98
Hs.675831	10.20	chr1	N/A	10	94.25
FABP1	10.20	chr2	2p11	36	129.58
Hs.528546	10.20	chr5	N/A	3	58.70
Hs.112789	10.20	chr20	N/A	10	60.53
Hs.662483	10.20	chr2	N/A	7	76.23
LAMP5	10.20	chr20	20p12	28	50.71
LOC100506858	10.20	chr5	N/A	11	79.33
Hs.231852	10.20	chr3	N/A	6	56.94
CR1L	10.20	chr1	1q32.1	31	97.66
Hs.538613	10.20	chr10	N/A	3	30.33
LRRC7	10.20	chr1	1p31.1	32	95.17
JAZF1-AS1	10.20	chr7	7p15.1	4	70.78
Hs.326357	10.20	chr20	N/A	10	80.26
Hs.147848	10.20	chr17	N/A	5	87.44
Hs.667229	10.20	chr11	N/A	7	58.68
MCOLN2	10.20	chr1	1p22	19	103.67
Hs.369226	10.20	chr16	N/A	5	49.26
Hs.565701	10.19	chr20	N/A	3	51.58
Hs.226582	10.19	chr22	N/A	3	47.59
CST8	10.19	chr20	20p11.21	21	79.51
C11orf82	10.19	chr11	11q14.1	35	161.43

Hs.587278	10.19	chr4	N/A	1	0.00
Hs.661986	10.19	chr14	N/A	1	0.00
Hs.666685	10.19	chr12	N/A	7	42.68
LOC100506546	10.19	chr1	N/A	12	203.56
Hs.668444	10.19	chr1	N/A	7	112.19
Hs.317713	10.19	chr12	N/A	8	55.63
Hs.133042	10.19	chr8	N/A	22	58.65
Hs.602211	10.19	chr5	N/A	7	58.13
Hs.116142	10.19	chr21	N/A	8	92.52
Hs.638536	10.19	chr5	N/A	3	30.77
Hs.560263	10.19	chr14	N/A	3	44.43
LOC283440	10.19	chr12	12p13.33	3	50.78
Hs.98222	10.19	chr5	N/A	10	79.16
H1FX-AS1	10.19	chr3	3q21.3	4	95.33
Hs.692874	10.19	chr22	N/A	7	61.61
Hs.603584	10.19	chr19	N/A	2	1.93
RBM12B-AS1	10.19	chr8	8q22.1	15	69.24
Hs.545806	10.19	chr9	N/A	3	61.69
DMRTA1	10.19	chr9	9p21.3	19	61.10
C19orf69	10.18	chr19	19q13.2	3	27.29
Hs.91147	10.18	chr3	N/A	11	128.67
AMTN	10.18	chr4	4q13.3	6	55.39
Hs.542929	10.18	chr3	N/A	3	27.80
Hs.666265	10.18	chr18	N/A	14	78.72
Hs.738319	10.18	chr5	N/A	3	47.59
C11orf35	10.18	chr11	11p15.5	17	101.53
Hs.537698	10.18	chr1	N/A	3	12.02
FAM9C	10.18	chrX	Xp22.2	40	271.37
Hs.659152	10.18	chr3	N/A	8	53.36
EVC2	10.18	chr4	4p16.2-p16.1	30	72.47
C10orf111	10.18	chr10	10p13	16	90.96
ASCL5	10.18	chr1	1q32.1	2	34.04
Hs.156737	10.18	chr1	N/A	10	48.32
Hs.591793	10.18	chr6	N/A	8	81.33
Hs.660300	10.18	chr3	N/A	1	0.00
KIF18B	10.17	chr17	17q21.31	21	68.90
ODF3L1	10.17	chr15	15q24.2	24	87.02
Hs.657859	10.17	chr7	N/A	5	58.30
Hs.539612	10.17	chr13	N/A	3	68.03
Hs.540613	10.17	chr16	N/A	3	48.43
Hs.591209	10.17	chr13	N/A	3	57.11
Hs.606333	10.17	chr16	N/A	1	0.00
Hs.131181	10.17	chr6	N/A	4	68.31
Hs.556122	10.17	chr10	N/A	7	72.27
Hs.655961	10.17	chr15	N/A	8	62.75
Hs.658757	10.17	chr5	N/A	1	0.00
LOC100506172	10.17	chr16	N/A	12	59.34
Hs.655984	10.17	chr16	N/A	10	79.51
PCGEM1	10.17	chr2	2q32	2	92.88
LOC100130899	10.17	chr22	22q13.1	7	65.15
Hs.744236	10.17	chr7	N/A	15	53.73
Hs.668186	10.17	chr20	N/A	2	53.01
OTUB2	10.17	chr14	14q32.12	61	120.25
TSPEAR	10.17	chr21	21q22.3	29	54.99
Hs.570114	10.17	chr2	N/A	3	64.41
OR3A2	10.17	chr17	17p13.3	21	37.38
LINC00836	10.17	chr10	N/A	4	34.85
Hs.601125	10.17	chr2	N/A	5	47.09
Hs.606616	10.17	chr12	N/A	3	36.01
SYTL5	10.17	chrX	Xp21.1	37	89.16
Hs.131991	10.17	chr12	N/A	7	52.72
FLJ38379	10.16	chr2	2q37.3	34	68.92
Hs.571717	10.16	chrX	N/A	7	50.68
Hs.146732	10.16	chr3	N/A	3	23.85
Hs.659192	10.16	chr6	N/A	2	55.41
Hs.604397	10.16	chr1	N/A	10	37.58

Hs.601502	10.16	chr1	N/A	7	45.22
Hs.46941	10.16	chr1	N/A	10	47.77
POF1B	10.16	chrX	Xq21.2	43	58.49
MIR181A2HG	10.16	chr9	9q33.3	14	61.48
Hs.638970	10.16	chr5	N/A	3	51.11
Hs.659302	10.16	chr17	N/A	7	61.56
Hs.667430	10.16	chr4	N/A	2	75.13
Hs.443029	10.16	chr19	N/A	14	68.62
Hs.585201	10.16	chr8	N/A	1	0.00
Hs.555225	10.16	chr6	N/A	4	107.19
Hs.538166	10.16	chr1	N/A	3	46.39
Hs.734324	10.16	chr8	N/A	2	16.37
Hs.578112	10.15	chr14	N/A	3	52.63
FLJ41481	10.15	chr2	2p24.2	3	75.31
ZNF252P-AS1	10.15	chr8	8q24.3	21	101.16
Hs.600941	10.15	chr15	N/A	7	47.90
Hs.541324	10.15	chr2	N/A	3	50.97
Hs.576967	10.15	chr11	N/A	3	34.55
SNORD108	10.15	chr15	15q11.2	3	36.71
Hs.538637	10.15	chr10	N/A	3	44.52
PPP1R32	10.15	chr11	11q12.2	26	86.02
Hs.668349	10.15	chr17	N/A	7	42.36
LINC00619	10.15	chr10	10q11.21	14	121.59
Hs.666614	10.15	chr9	N/A	7	57.91
Hs.659150	10.15	chr12	N/A	1	0.00
Hs.444690	10.15	chrX	N/A	1	0.00
Hs.542726	10.15	chr22	N/A	3	28.77
Hs.541069	10.15	chr18	N/A	3	76.36
SYNE3	10.15	chr14	14q32.13	22	106.67
Hs.436046	10.15	chr7	N/A	10	87.64
LOC285548	10.15	chr4	4p15.33	21	98.35
GAGE2B	10.14	chrX	Xp11.23	3	48.25
Hs.656434	10.14	chr17	N/A	7	51.03
Hs.125442	10.14	chr11	N/A	10	66.65
Hs.594418	10.14	chr14	N/A	10	37.08
Hs.660267	10.14	chrX	N/A	7	84.70
TEX15	10.14	chr8	8p12	25	97.59
Hs.553118	10.14	chr6	N/A	10	47.50
CENPI	10.14	chrX	Xq22.1	51	86.97
Hs.208645	10.14	chr1	N/A	3	57.26
LOC100129781	10.14	chr16	16p13.12	9	72.12
Hs.570156	10.14	chr2	N/A	3	32.79
Hs.604209	10.14	chr13	N/A	7	83.78
Hs.723551	10.14	chr21	N/A	1	0.00
LOC100996636	10.14	chr1	N/A	1	0.00
Hs.538129	10.13	chr1	N/A	3	32.70
Hs.522117	10.13	chrX	N/A	3	26.47
Hs.672081	10.13	chr5	N/A	1	0.00
Hs.736239	10.13	chr8	N/A	1	0.00
Hs.212640	10.13	chr19	N/A	7	97.42
Hs.551931	10.13	chr14	N/A	7	47.70
Hs.667113	10.13	chr15	N/A	11	58.36
Hs.660255	10.13	chr3	N/A	7	54.27
Hs.328801	10.13	chr8	N/A	5	33.44
Hs.575276	10.13	chr6	N/A	3	34.68
GPR141	10.13	chr7	7p14.1	21	98.13
Hs.657248	10.13	chr14	N/A	1	0.00
Hs.544160	10.13	chr5	N/A	3	30.65
Hs.676028	10.13	chr2	N/A	1	0.00
Hs.57769	10.13	chr18	N/A	11	64.74
Hs.568048	10.13	chr10	N/A	1	0.00
Hs.580431	10.13	chr2	N/A	3	25.72
Hs.552320	10.13	chr10	N/A	3	22.80
LINC00424	10.13	chr13	N/A	4	66.74
Hs.600651	10.13	chr10	N/A	7	70.88
Hs.133299	10.13	chr7	N/A	14	53.81

Hs.563695	10.13	chr1	N/A	3	64.00
FAM201A	10.12	chr9	9p13.1	15	44.07
Hs.602714	10.12	chr1	N/A	3	35.92
Hs.728921	10.12	chr14	N/A	7	62.23
Hs.545303	10.12	chr8	N/A	10	54.30
Hs.514222	10.12	chr17	N/A	13	110.26
Hs.537555	10.12	chr1	N/A	3	17.09
Hs.521321	10.12	chr7	N/A	2	3.55
Hs.554603	10.12	chr16	N/A	3	73.44
Hs.599210	10.12	chr12	N/A	1	0.00
Hs.597780	10.12	chr20	N/A	7	58.10
Hs.95141	10.12	chr2	N/A	3	27.16
Hs.566436	10.12	chr6	N/A	3	8.52
Hs.634924	10.12	chr3	N/A	7	60.98
Hs.602913	10.12	chr17	N/A	7	43.73
Hs.736254	10.12	chr20	N/A	1	0.00
LOC100505946	10.12	chr4	N/A	1	0.00
Hs.665665	10.12	chr18	N/A	3	52.83
Hs.540860	10.12	chr17	N/A	3	73.57
Hs.538015	10.11	chr1	N/A	3	17.04
Hs.514903	10.11	chr18	N/A	3	40.43
CD28	10.11	chr2	2q33	43	71.49
Hs.620410	10.11	chr20	N/A	3	42.21
Hs.664782	10.11	chr15	N/A	7	61.21
Hs.733960	10.11	chr22	N/A	7	68.95
LOC101060019	10.11	chr2	N/A	4	33.12
Hs.389313	10.11	chrX	N/A	3	48.01
Hs.573259	10.11	chr4	N/A	3	74.53
Hs.661052	10.11	chr20	N/A	7	49.02
Hs.539908	10.11	chr14	N/A	5	59.35
Hs.583942	10.11	chr8	N/A	3	31.95
VAX1	10.11	chr10	10q26.1	3	35.46
Hs.582064	10.11	chr4	N/A	3	58.41
Hs.659398	10.11	chr15	N/A	5	65.52
Hs.164225	10.11	chr4	N/A	4	33.79
Hs.544316	10.11	chr6	N/A	3	29.61
Hs.544249	10.11	chr5	N/A	5	44.73
LOC100507480	10.11	chr15	N/A	11	89.88
Hs.537768	10.10	chr1	N/A	3	78.45
Hs.720520	10.10	chr15	N/A	7	37.76
TPH1	10.10	chr11	11p15.3-p14	24	101.37
Hs.567024	10.10	chr9	N/A	3	111.59
SPINK13	10.10	chr5	5q32	21	68.48
Hs.666397	10.10	chr4	N/A	3	56.25
Hs.128434	10.10	chr2	N/A	7	47.17
Hs.540936	10.10	chr17	N/A	3	61.48
Hs.209508	10.10	chr18	N/A	7	103.94
Hs.436661	10.10	chr15	N/A	3	63.45
UCA1	10.10	chr19	19p13.12	10	193.85
MAGEB5	10.10	chrX	Xp21.3	3	74.44
Hs.510028	10.10	chr1	N/A	15	65.98
Hs.577946	10.10	chr13	N/A	3	94.81
Hs.640314	10.10	chr11	N/A	3	53.99
Hs.734006	10.10	chr1	N/A	8	97.06
Hs.551445	10.10	chr2	N/A	3	39.00
Hs.664159	10.10	chr8	N/A	7	53.77
IRAK4	10.09	chr12	12q12	31	31.09
KRTAP6-2	10.09	chr21	21q22.1	6	39.32
PEX5L	10.09	chr3	3q26.33	58	106.30
Hs.658442	10.09	chr2	N/A	7	38.98
LPP-AS2	10.09	chr3	3q27.3	9	48.59
Hs.261069	10.09	chr5	N/A	3	83.67
Hs.566740	10.09	chr7	N/A	3	72.81
Hs.602506	10.09	chr19	N/A	2	49.27
SLC26A7	10.09	chr8	8q23	53	140.42
Hs.658462	10.09	chr8	N/A	7	98.20

Hs.543574	10.09	chr4	N/A	7	98.17
Hs.145174	10.09	chr4	N/A	3	35.08
KCNQ5	10.09	chr6	6q14	29	112.14
Hs.666139	10.09	chr10	N/A	7	42.68
LOC100505498	10.09	chr2	N/A	28	48.49
Hs.593028	10.09	chr14	N/A	8	13.71
Hs.122387	10.09	chr3	N/A	3	58.08
C1orf172	10.09	chr1	1p36.11	26	61.22
ECEL1	10.09	chr2	2q37.1	28	52.17
TET1	10.09	chr10	10q21	35	55.28
Hs.546177	10.09	chrX	N/A	3	89.19
Hs.543592	10.09	chr4	N/A	3	99.65
Hs.104789	10.08	chr9	N/A	4	31.24
Hs.537989	10.08	chr1	N/A	3	29.50
Hs.584046	10.08	chr9	N/A	3	70.83
Hs.545123	10.08	chr7	N/A	5	63.95
Hs.545254	10.08	chr8	N/A	3	75.63
Hs.662937	10.08	chr13	N/A	7	60.80
Hs.580116	10.08	chr2	N/A	3	58.89
Hs.26537	10.08	chr2	N/A	10	134.95
Hs.543856	10.08	chr5	N/A	3	98.22
C1QTNF4	10.08	chr11	11q11	22	67.32
LOC642335	10.08	chr6	6p25.3	6	42.19
Hs.541166	10.08	chr18	N/A	10	132.04
Hs.602194	10.08	chr5	N/A	7	33.27
Hs.132312	10.08	chr5	N/A	7	47.93
Hs.580457	10.08	chr2	N/A	3	53.65
Hs.333973	10.08	chr5	N/A	2	35.92
Hs.255208	10.08	chr22	N/A	3	72.61
Hs.545808	10.08	chr9	N/A	3	33.83
LOC147646	10.08	chr19	19q13.41	1	0.00
Hs.120380	10.08	chr18	N/A	10	92.96
Hs.563200	10.08	chr4	N/A	10	82.09
CAPZA3	10.08	chr12	12p12.3	26	125.34
GNGT2	10.08	chr17	17q21	24	69.63
Hs.543249	10.08	chr3	N/A	10	44.07
Hs.634988	10.07	chr3	N/A	2	19.63
NR2F2-AS1	10.07	chr15	15q26.2	26	69.74
TDH	10.07	chr8	8p23.1	46	189.19
Hs.668049	10.07	chr16	N/A	2	12.69
LRR31	10.07	chr3	3q26.2	38	78.77
Hs.453549	10.07	chr6	N/A	17	35.67
Hs.427229	10.07	chr18	N/A	19	75.12
Hs.540857	10.07	chr17	N/A	3	48.07
Hs.450057	10.07	chr3	N/A	8	63.78
Hs.660141	10.07	chr15	N/A	7	101.83
Hs.703151	10.07	chr6	N/A	8	7.25
Hs.661005	10.07	chr17	N/A	3	56.03
CRYBA2	10.07	chr2	2q35	24	90.19
Hs.564182	10.07	chr11	N/A	3	91.06
Hs.543823	10.07	chr5	N/A	10	57.63
Hs.547753	10.06	chr7	N/A	3	74.71
LOC100289230	10.06	chr5	5q21.1	11	21.47
Hs.520150	10.06	chr6	N/A	3	72.56
Hs.666132	10.06	chr3	N/A	3	45.07
Hs.559801	10.06	chr10	N/A	3	75.02
Hs.548153	10.06	chr8	N/A	7	90.07
Hs.604281	10.06	chr6	N/A	7	65.41
Hs.729309	10.06	chr14	N/A	7	78.45
LINC00661	10.06	chr19	19p13.12	6	104.45
Hs.13438	10.06	chr4	N/A	27	54.83
GPR101	10.06	chrX	Xq26.3	19	98.49
ARMC3	10.06	chr10	10p12.31	20	112.56
Hs.677230	10.06	chr3	N/A	15	129.07
Hs.601543	10.06	chr11	N/A	7	131.26
Hs.539913	10.06	chr14	N/A	3	38.45

Hs.572729	10.06	chr2	N/A	2	41.31
Hs.586980	10.06	chr18	N/A	7	87.19
Hs.665701	10.05	chr7	N/A	1	0.00
Hs.145414	10.05	chr1	N/A	10	51.78
FANK1	10.05	chr10	10q26.2	23	75.68
Hs.664816	10.05	chr10	N/A	7	110.12
Hs.544599	10.05	chr6	N/A	3	69.30
CNPY1	10.05	chr7	7q36.3	8	58.56
Hs.572013	10.05	chr10	N/A	3	48.27
Hs.563973	10.05	chr1	N/A	3	44.85
Hs.473802	10.05	chr21	N/A	3	19.15
FLJ12825	10.05	chr12	12q13.13	12	51.81
Hs.25345	10.05	chr6	N/A	15	66.54
Hs.246062	10.05	chr15	N/A	3	9.14
Hs.160673	10.05	chr4	N/A	7	114.70
Hs.566645	10.05	chr7	N/A	3	13.22
Hs.540727	10.05	chr17	N/A	10	86.93
ANKDD1B	10.05	chr5	5q13.3	3	60.41
Hs.733199	10.05	chr19	N/A	1	0.00
Hs.554671	10.05	chr2	N/A	3	31.09
Hs.54940	10.05	chr15	N/A	18	137.05
Hs.736719	10.05	chr17	N/A	3	13.43
MRV11-AS1	10.05	chr11	11p15.4	16	69.96
Hs.602864	10.05	chr5	N/A	3	68.92
OR6C70	10.04	chr12	12q13.2	5	56.48
Hs.128623	10.04	chr14	N/A	7	79.23
MYO1H	10.04	chr12	12q24.11	21	66.44
Hs.662745	10.04	chr4	N/A	13	39.75
Hs.128837	10.04	chr8	N/A	6	100.36
Hs.544671	10.04	chr6	N/A	3	56.21
Hs.710797	10.04	chr21	N/A	2	25.10
Hs.743542	10.04	chrX	N/A	8	10.37
LOC283588	10.04	chr14	14q32.11	24	73.88
Hs.434704	10.04	chr16	N/A	1	0.00
MMP26	10.04	chr11	11p15	21	83.87
Hs.666209	10.04	chr1	N/A	8	46.47
Hs.444411	10.04	chr16	N/A	4	61.36
Hs.666578	10.04	chr13	N/A	7	82.14
Hs.407612	10.04	chr4	N/A	4	51.41
Hs.552934	10.04	chr14	N/A	3	30.67
HIST1H1T	10.04	chr6	6p21.3	24	129.51
Hs.735286	10.04	chr3	N/A	4	56.37
SAMD9	10.04	chr7	7q21.2	54	86.09
Hs.665288	10.03	chr10	N/A	7	73.12
LOC100132356	10.03	chr5	5p12	11	48.12
Hs.540518	10.03	chr16	N/A	3	50.32
Hs.670422	10.03	chr5	N/A	7	83.80
Hs.142877	10.03	chr5	N/A	1	0.00
Hs.145137	10.03	chr2	N/A	3	62.86
Hs.597112	10.03	chr1	N/A	7	45.91
Hs.565075	10.03	chr17	N/A	5	65.95
Hs.549814	10.03	chr11	N/A	3	77.01
Hs.160363	10.03	chr8	N/A	4	69.37
Hs.667306	10.03	chr6	N/A	7	67.40
Hs.650408	10.03	chr6	N/A	3	32.61
Hs.659542	10.03	chr1	N/A	3	75.74
C7orf31	10.03	chr7	7p15.3	35	64.86
CDY1B	10.03	chrY	Yq11.223	12	45.29
Hs.156576	10.03	chr4	N/A	3	83.15
Hs.470445	10.03	chr2	N/A	3	94.58
Hs.720365	10.03	chr3	N/A	10	33.89
MYF5	10.03	chr12	12q21	26	60.27
Hs.570115	10.03	chr2	N/A	3	33.95
Hs.569559	10.03	chr16	N/A	7	68.50
Hs.565359	10.03	chr2	N/A	3	45.22
Hs.700885	10.03	chr4	N/A	7	93.44

LOC100505625	10.02	chr5	N/A	3	38.07
LOC100506629	10.02	chr17	N/A	1	0.00
POU5F1B	10.02	chr8	8q24.21	26	88.13
Hs.670574	10.02	chr13	N/A	7	60.50
Hs.735671	10.02	chr9	N/A	11	153.93
Hs.546053	10.02	chrX	N/A	3	75.30
Hs.652621	10.02	chr10	N/A	7	56.68
OR4K2	10.02	chr14	14q11.2	6	122.34
SP8	10.02	chr7	7p21.2	28	89.22
Hs.551418	10.02	chr2	N/A	3	43.61
PRAMEF8	10.02	chr1	1p36.21	13	62.16
Hs.545084	10.02	chr7	N/A	3	122.66
Hs.658552	10.02	chr1	N/A	7	88.39
Hs.633625	10.02	chr15	N/A	10	46.79
LGR5	10.02	chr12	12q22-q23	44	94.47
OR4K1	10.02	chr14	14q11.2	13	38.78
Hs.566295	10.02	chr5	N/A	3	100.37
Hs.528450	10.02	chr13	N/A	5	53.76
FGF5	10.02	chr4	4q21	63	109.64
Hs.578099	10.01	chr14	N/A	3	78.72
USP26	10.01	chrX	Xq26.2	18	123.03
Hs.603972	10.01	chr10	N/A	7	67.34
Hs.538566	10.01	chr10	N/A	3	79.62
Hs.568943	10.01	chr11	N/A	1	0.00
Hs.460114	10.01	chr10	N/A	3	41.93
Hs.557871	10.01	chr1	N/A	3	39.53
Hs.664342	10.01	chr18	N/A	1	0.00
Hs.668071	10.01	chr11	N/A	3	53.82
Hs.112143	10.01	chr5	N/A	1	0.00
Hs.545299	10.01	chr8	N/A	3	54.14
CNTNAP5	10.01	chr2	2q14.3	40	84.16
KRTAP4-6	10.00	chr17	17q12-q21	11	119.30
Hs.696658	10.00	chr10	N/A	7	111.35
Hs.635432	10.00	chr12	N/A	4	46.74
Hs.631395	10.00	chr20	N/A	8	12.06
KRTDAP	10.00	chr19	19q13.12	26	85.43
Hs.334107	10.00	chrX	N/A	3	47.42
Hs.602137	10.00	chr11	N/A	1	0.00
Hs.543210	10.00	chr3	N/A	3	27.39
Hs.562174	10.00	chr1	N/A	3	22.98
Hs.224454	10.00	chr11	N/A	3	81.34
Hs.540651	10.00	chr16	N/A	6	53.02
TRIM42	10.00	chr3	3q23	33	73.19
FAM205B	10.00	chr9	9p13.2	11	57.61
Hs.636887	10.00	chr2	N/A	10	60.98
Hs.131413	10.00	chr11	N/A	10	61.33
Hs.684604	10.00	chr7	N/A	9	54.03
Hs.666395	10.00	chr2	N/A	2	71.01
Hs.537443	10.00	chr6	N/A	3	17.27
Hs.667770	10.00	chr9	N/A	3	47.83
LOC643659	9.99	chr20	20p11.23	2	47.28
Hs.546121	9.99	chrX	N/A	3	37.98
Hs.602979	9.99	chr19	N/A	7	46.49
Hs.657240	9.99	chr3	N/A	1	0.00
Hs.148829	9.99	chr14	N/A	5	59.83
ISM2	9.99	chr14	14q24.3	32	69.44
LOC100507657	9.99	chr22	N/A	10	113.24
IL3	9.99	chr5	5q31.1	23	90.27
Hs.368928	9.99	chr14	N/A	7	51.92
XCL2	9.99	chr1	1q24.2	34	83.98
Hs.130638	9.99	chr3	N/A	7	77.46
KRT33B	9.99	chr17	17q21.2	23	85.29
Hs.580469	9.99	chr2	N/A	3	27.09
Hs.570080	9.99	chr2	N/A	3	61.24
Hs.340557	9.99	chr10	N/A	5	64.85
Hs.573982	9.99	chr11	N/A	3	24.93

Hs.742338	9.99	chr17	N/A	3	52.12
OR8K3	9.99	chr11	11q12.1	13	46.05
Hs.664120	9.99	chr5	N/A	7	38.05
Hs.543663	9.99	chr4	N/A	3	66.72
LINC00610	9.98	chr11	11p13	14	93.15
Hs.662660	9.98	chr2	N/A	1	0.00
LOC401286	9.98	chr6	6q27	3	27.53
KRTAP5-11	9.98	chr11	11q13.4	3	55.25
Hs.664731	9.98	chr10	N/A	7	67.51
Hs.660822	9.98	chr19	N/A	11	148.68
Hs.596720	9.98	chr10	N/A	3	92.34
SLC8A3	9.98	chr14	14q24.1	45	87.01
Hs.672089	9.98	chr5	N/A	4	67.99
Hs.660248	9.98	chr7	N/A	7	84.57
Hs.576819	9.98	chr10	N/A	3	58.19
Hs.665189	9.98	chr12	N/A	1	0.00
Hs.545827	9.98	chr9	N/A	3	92.77
LOC100506516	9.98	chr7	N/A	10	85.21
Hs.148809	9.98	chr4	N/A	6	70.61
Hs.564530	9.98	chr13	N/A	3	64.80
Hs.668056	9.98	chr1	N/A	2	17.91
BSND	9.98	chr1	1p32.1	25	100.33
Hs.720276	9.98	chr8	N/A	3	23.83
POTED	9.98	chr21	21q11.2	3	13.89
LOC728095	9.98	chr5	5q34	11	49.88
Hs.666669	9.97	chr12	N/A	2	34.40
TAS2R8	9.97	chr12	12p13	24	77.08
Hs.563920	9.97	chr1	N/A	3	79.88
LOC100507053	9.97	chr4	N/A	17	127.64
LOC728819	9.97	chr2	2p21	1	0.00
Hs.562262	9.97	chr10	N/A	2	17.28
Hs.171319	9.97	chr14	N/A	3	81.24
Hs.360957	9.97	chr5	N/A	3	57.45
Hs.664677	9.97	chr9	N/A	7	53.12
Hs.531320	9.97	chr2	N/A	3	93.02
Hs.112880	9.97	chr10	N/A	10	82.78
Hs.128627	9.97	chr19	N/A	2	94.15
Hs.524283	9.97	chr10	N/A	1	0.00
PAX3	9.97	chr2	2q35	98	102.86
Hs.578123	9.97	chr14	N/A	3	25.21
Hs.425537	9.97	chr12	N/A	7	85.05
LOC148696	9.97	chr1	1q32.2	8	69.65
Hs.665339	9.97	chr7	N/A	7	59.03
Hs.552554	9.97	chr6	N/A	3	43.02
Hs.540021	9.97	chr14	N/A	3	27.79
Hs.146654	9.97	chr10	N/A	5	60.08
Hs.13969	9.97	chr18	N/A	10	55.51
Hs.638974	9.97	chr6	N/A	3	26.16
LOC91450	9.97	chr15	15q24.3	8	55.09
LOC199882	9.96	chr1	1q21.2	3	56.41
ZNF439	9.96	chr19	19p13.2	27	81.31
Hs.707532	9.96	chr4	N/A	10	35.27
Hs.145573	9.96	chr2	N/A	18	92.85
Hs.664593	9.96	chr18	N/A	14	85.73
DKFZP434A062	9.96	chr9	9q34.3	22	125.78
Hs.669200	9.96	chr1	N/A	10	37.00
LOC100506459	9.96	chr1	N/A	11	43.32
Hs.546125	9.96	chrX	N/A	3	56.40
Hs.545745	9.96	chr9	N/A	3	77.99
Hs.538344	9.96	chr10	N/A	3	36.81
KCNA2	9.96	chr1	1p13	32	58.03
DAW1	9.96	chr2	2q36.3	30	157.69
Hs.662081	9.96	chr1	N/A	2	55.24
SYN3	9.96	chr22	22q12.3	33	77.75
Hs.562448	9.96	chr12	N/A	3	19.08
Hs.98155	9.96	chr4	N/A	7	49.14

Hs.710344	9.95	chr5	N/A	8	76.15
Hs.663175	9.95	chr6	N/A	7	62.34
Hs.664220	9.95	chr3	N/A	7	46.59
OR1D4	9.95	chr17	17p13.3	30	62.74
OR5D18	9.95	chr11	11q11	9	80.51
Hs.736914	9.95	chr12	N/A	1	0.00
Hs.28425	9.95	chr4	N/A	18	53.67
LINC00264	9.95	chr10	10p12.1	10	217.00
FLJ36848	9.95	chr2	2p15	5	90.23
Hs.18804	9.95	chr5	N/A	3	91.85
Hs.661606	9.95	chr4	N/A	6	43.67
ZNF445	9.95	chr3	3p21.32	54	125.41
KLK15	9.95	chr19	19q13.41	40	124.08
Hs.667688	9.95	chr1	N/A	2	54.69
Hs.733354	9.95	chr13	N/A	5	146.79
Hs.656815	9.95	chr6	N/A	7	33.77
DEPDC7	9.94	chr11	11p13	30	91.49
SLC27A2	9.94	chr15	15q21.2	33	93.11
KRT71	9.94	chr12	12q13.13	26	42.61
Hs.563159	9.94	chr3	N/A	2	45.18
Hs.649368	9.94	chr7	N/A	1	0.00
Hs.540016	9.94	chr14	N/A	3	18.40
Hs.649081	9.94	chr8	N/A	3	77.12
Hs.564896	9.94	chr16	N/A	3	35.01
Hs.564448	9.94	chr12	N/A	3	43.84
Hs.639446	9.94	chr8	N/A	7	63.08
GALP	9.94	chr19	19q13.43	19	86.81
Hs.559531	9.94	chr9	N/A	7	69.70
FAM227B	9.94	chr15	15q21.2	25	65.46
Hs.556027	9.94	chr9	N/A	1	0.00
PRAMEF10	9.94	chr1	1p36.21	32	68.47
Hs.607413	9.93	chr4	N/A	3	60.40
Hs.666107	9.93	chr2	N/A	7	52.11
Hs.603037	9.93	chr2	N/A	7	61.01
Hs.575943	9.93	chr1	N/A	3	43.83
Hs.127528	9.93	chr3	N/A	10	72.10
Hs.635096	9.93	chr4	N/A	7	73.14
ATP1B4	9.93	chrX	Xq24	46	97.95
Hs.310740	9.93	chr5	N/A	3	56.27
Hs.59806	9.93	chr5	N/A	17	64.90
Hs.543038	9.93	chr3	N/A	10	43.57
Hs.545103	9.93	chr7	N/A	3	69.77
SOHLH2	9.93	chr13	13q13.3	46	56.48
Hs.600900	9.93	chr7	N/A	14	72.26
Hs.664258	9.93	chr12	N/A	8	61.89
SPATA31C2	9.93	chr9	9q22.1	21	99.12
Hs.578888	9.93	chr16	N/A	3	33.28
Hs.444174	9.92	chr19	N/A	14	71.92
Hs.600571	9.92	chr6	N/A	4	54.23
Hs.720495	9.92	chr14	N/A	1	0.00
Hs.148580	9.92	chr14	N/A	4	8.94
Hs.666420	9.92	chr4	N/A	3	24.70
Hs.733213	9.92	chr15	N/A	2	8.00
Hs.121899	9.92	chr6	N/A	8	65.05
Hs.650275	9.92	chr6	N/A	3	44.67
PCDHGB1	9.92	chr5	5q31	3	55.30
Hs.659115	9.92	chr19	N/A	18	121.85
Hs.601058	9.92	chr7	N/A	7	59.47
LYZL4	9.92	chr3	3p22.1	26	121.64
Hs.201185	9.92	chr5	N/A	1	0.00
Hs.127008	9.92	chr6	N/A	17	56.93
Hs.577965	9.92	chr13	N/A	3	49.88
Hs.650220	9.92	chr14	N/A	11	38.60
Hs.660572	9.92	chr2	N/A	7	63.44
Hs.666563	9.92	chr10	N/A	7	76.96
Hs.732191	9.91	chr6	N/A	18	122.00

Hs.564158	9.91	chr10	N/A	3	59.37
PP14571	9.91	chr2	2q37.3	11	60.17
Hs.572968	9.91	chr3	N/A	3	39.54
Hs.733439	9.91	chr1	N/A	7	48.87
Hs.665255	9.91	chr1	N/A	7	53.98
Hs.720247	9.91	chr12	N/A	8	29.03
ATP6V0E2-AS1	9.91	chr7	7q36.1	13	68.20
TLR10	9.91	chr4	4p14	39	89.25
Hs.570747	9.91	chr4	N/A	3	125.18
Hs.131128	9.91	chr6	N/A	10	85.77
FGF14-IT1	9.91	chr13	13q33.1	1	0.00
KRTAP9-2	9.91	chr17	17q12-q21	14	75.30
Hs.537750	9.91	chr1	N/A	3	31.22
Hs.238996	9.91	chr12	N/A	1	0.00
Hs.576243	9.91	chr1	N/A	3	44.95
ANKRD34C	9.91	chr15	15q25.1	17	56.97
FLJ16779	9.91	chr20	20q13.33	4	47.23
HOXA2	9.91	chr7	7p15.2	33	71.02
Hs.130455	9.91	chr7	N/A	10	78.65
Hs.666197	9.91	chr17	N/A	7	40.46
LOC51145	9.90	chr9	9q33.3	18	44.46
Hs.657565	9.90	chr20	N/A	6	56.99
Hs.656296	9.90	chr4	N/A	8	77.20
Hs.721177	9.90	chr7	N/A	7	99.62
Hs.543901	9.90	chr5	N/A	3	115.61
Hs.570225	9.90	chr2	N/A	5	36.87
SIM2	9.90	chr21	21q22.13	50	100.29
Hs.561746	9.90	chr7	N/A	3	37.09
OTOP3	9.90	chr17	17q25.1	16	102.72
Hs.135806	9.90	chr2	N/A	3	27.94
Hs.638942	9.90	chr12	N/A	1	0.00
Hs.350773	9.90	chr22	N/A	3	39.42
Hs.571168	9.90	chr6	N/A	3	73.27
Hs.545282	9.90	chr8	N/A	3	32.64
OR51F1	9.90	chr11	11p15.4	6	43.97
Hs.622971	9.90	chr20	N/A	3	72.29
SOHLH1	9.89	chr9	9q34.3	24	226.37
Hs.732525	9.89	chr20	N/A	2	80.71
Hs.231295	9.89	chr17	N/A	18	46.03
Hs.736755	9.89	chr13	N/A	3	23.75
Hs.116465	9.89	chr16	N/A	7	96.65
GREM2	9.89	chr1	1q43	50	112.68
Hs.564084	9.89	chr10	N/A	3	84.32
LOC441233	9.89	chr7	7p11.1	3	81.39
Hs.564698	9.89	chr14	N/A	7	73.64
Hs.143328	9.89	chr5	N/A	2	24.79
Hs.634101	9.89	chr2	N/A	3	35.19
Hs.733548	9.89	chr4	N/A	7	101.11
SLC5A9	9.89	chr1	1p33	27	62.66
Hs.662234	9.89	chr4	N/A	11	71.68
Hs.657254	9.89	chr10	N/A	8	78.94
MFSD4	9.89	chr1	1q32.1	50	88.94
Hs.543339	9.89	chr4	N/A	3	57.72
Hs.541947	9.89	chr2	N/A	3	46.29
Hs.709990	9.89	chr10	N/A	7	57.65
CYP1B1-AS1	9.89	chr2	2p22.2	17	105.87
KRT39	9.89	chr17	17q21.2	11	86.54
Hs.666880	9.88	chr11	N/A	2	17.75
Hs.584685	9.88	chrX	N/A	3	79.51
YJEFN3	9.88	chr19	19p13.11	24	140.01
Hs.566026	9.88	chr4	N/A	3	42.01
Hs.545751	9.88	chr9	N/A	3	48.88
Hs.385801	9.88	chr13	N/A	4	51.47
Hs.657124	9.88	chr5	N/A	14	73.46
Hs.235477	9.88	chr17	N/A	3	29.36
DIRC3	9.88	chr2	2q35	14	72.89

Hs.649193	9.88	chr6	N/A	11	53.96
Hs.25402	9.88	chr6	N/A	3	77.36
LIX1	9.88	chr5	5q15	44	100.41
Hs.563860	9.88	chr1	N/A	3	42.49
FMR1-AS1	9.88	chrX	Xq27.3	3	86.78
Hs.665822	9.88	chr19	N/A	14	78.99
Hs.444612	9.88	chr4	N/A	8	102.00
Hs.116154	9.88	chr1	N/A	7	59.46
Hs.560050	9.87	chr12	N/A	4	85.79
Hs.577706	9.87	chr12	N/A	3	67.44
Hs.660745	9.87	chr16	N/A	15	57.99
Hs.298284	9.87	chr1	N/A	10	125.97
LINC00346	9.87	chr13	13q34	12	55.37
Hs.540292	9.87	chr15	N/A	3	72.86
SLC7A14	9.87	chr3	3q26.2	50	79.75
Hs.539373	9.87	chr12	N/A	3	47.46
Hs.60764	9.87	chr3	N/A	10	62.96
TBX20	9.87	chr7	7p14.3	25	53.24
Hs.155488	9.87	chr15	N/A	2	65.87
Hs.583703	9.86	chr8	N/A	3	39.19
Hs.603052	9.86	chr6	N/A	7	87.01
Hs.514980	9.86	chr18	N/A	8	85.08
Hs.464217	9.86	chr17	N/A	9	35.12
Hs.274470	9.86	chr19	N/A	7	67.15
ONECUT3	9.86	chr19	19p13.3	4	62.02
Hs.637963	9.86	chr1	N/A	3	49.80
Hs.652923	9.86	chr1	N/A	10	118.73
Hs.564513	9.86	chr13	N/A	3	33.45
Hs.666766	9.86	chr16	N/A	3	75.70
Hs.652687	9.86	chr7	N/A	4	48.29
LOC100507134	9.86	chr3	N/A	2	8.69
Hs.666005	9.86	chr5	N/A	2	63.10
Hs.604128	9.86	chr21	N/A	2	49.41
CYP26C1	9.86	chr10	10q23.33	6	78.43
Hs.666774	9.86	chr1	N/A	7	72.06
Hs.656171	9.86	chr13	N/A	5	135.43
Hs.298335	9.86	chr4	N/A	5	58.17
Hs.658729	9.86	chr7	N/A	1	0.00
Hs.145134	9.86	chr5	N/A	2	16.05
FLJ90680	9.86	chr22	22q12.3	17	64.08
Hs.560166	9.86	chr13	N/A	3	49.60
Hs.706657	9.85	chr14	N/A	3	57.57
SNTG1	9.85	chr8	8q11-q12	27	107.48
Hs.635020	9.85	chr6	N/A	2	48.00
TEX9	9.85	chr15	15q21.3	20	64.61
LOC100506908	9.85	chr6	N/A	13	70.55
Hs.733124	9.85	chr6	N/A	12	55.50
Hs.570067	9.85	chr2	N/A	3	54.77
Hs.656399	9.85	chr14	N/A	7	32.15
LOC100507117	9.85	chr8	N/A	11	87.15
RAD52	9.85	chr12	12p13-p12.2	38	56.71
Hs.605782	9.85	chr4	N/A	10	40.07
OR52M1	9.85	chr11	11p15.4	8	63.19
MSANTD1	9.85	chr4	4p16.3	8	71.29
Hs.679491	9.85	chr2	N/A	1	0.00
Hs.537515	9.85	chr9	N/A	2	55.19
Hs.131773	9.85	chr3	N/A	4	44.09
Hs.582971	9.85	chr6	N/A	3	81.60
CHRM3-AS2	9.85	chr1	N/A	3	38.06
Hs.539395	9.85	chr12	N/A	3	44.74
Hs.553998	9.85	chr1	N/A	3	24.47
Hs.586239	9.85	chr6	N/A	4	74.18
Hs.571386	9.85	chr7	N/A	3	57.85
Hs.580941	9.85	chr21	N/A	3	47.46
Hs.597817	9.85	chr11	N/A	1	0.00
Hs.617390	9.85	chr5	N/A	1	0.00

Hs.731768	9.85	chr20	N/A	18	97.39
Hs.86636	9.85	chr12	N/A	11	90.71
Hs.656337	9.84	chr17	N/A	1	0.00
Hs.622813	9.84	chr14	N/A	3	46.06
Hs.668652	9.84	chr6	N/A	7	43.06
EPN2-IT1	9.84	chr17	N/A	8	75.91
DGK1	9.84	chr7	7q32.3-q33	35	75.06
ANO4	9.84	chr12	12q23.1	51	143.99
Hs.734135	9.84	chr11	N/A	3	53.91
Hs.207483	9.84	chr6	N/A	3	75.77
KRTAP12-4	9.84	chr21	21q22.3	6	36.45
Hs.634401	9.84	chr22	N/A	2	87.97
Hs.569396	9.84	chr14	N/A	5	65.36
Hs.436307	9.84	chr2	N/A	4	11.88
Hs.545502	9.84	chr8	N/A	3	70.64
Hs.201226	9.84	chr20	N/A	3	94.03
Hs.667265	9.84	chr20	N/A	2	75.18
TNFSF18	9.84	chr1	1q23	21	101.00
Hs.538411	9.84	chr10	N/A	7	78.03
RGS20	9.83	chr8	8q11.23	34	101.22
Hs.444587	9.83	chr3	N/A	11	85.03
Hs.290611	9.83	chr7	N/A	3	67.50
Hs.667230	9.83	chr2	N/A	7	51.56
TMEM81	9.83	chr1	1q32.1	18	58.53
Hs.733599	9.83	chr17	N/A	7	65.31
GRHL2	9.83	chr8	8q22.3	52	104.85
Hs.581615	9.83	chr3	N/A	3	29.09
Hs.739554	9.83	chr10	N/A	3	50.11
Hs.147198	9.83	chr1	N/A	10	81.72
Hs.610431	9.83	chr1	N/A	7	54.53
Hs.658576	9.83	chr15	N/A	7	80.85
LOC339862	9.83	chr3	3p24.3	4	72.90
DMRTC1	9.83	chrX	Xq13.2	25	60.88
Hs.143963	9.83	chr1	N/A	14	35.38
MAGEA9	9.83	chrX	Xq28	18	86.78
Hs.541598	9.83	chr2	N/A	3	45.18
Hs.666588	9.83	chr14	N/A	7	111.27
Hs.659206	9.83	chr17	N/A	3	42.35
Hs.602402	9.83	chr15	N/A	2	8.29
OR5M8	9.83	chr11	11q12.1	6	53.62
Hs.614827	9.83	chr3	N/A	5	90.06
Hs.605093	9.83	chr1	N/A	1	0.00
LOC100133091	9.83	chr7	7q11.23	10	21.20
Hs.656537	9.83	chr20	N/A	11	50.68
Hs.664915	9.83	chr1	N/A	11	41.26
NKX2-2	9.82	chr20	20p11.22	30	156.34
Hs.121108	9.82	chr13	N/A	3	11.96
Hs.666016	9.82	chr1	N/A	7	65.54
Hs.543548	9.82	chr4	N/A	6	30.82
Hs.601514	9.82	chr1	N/A	7	62.87
Hs.663665	9.82	chr17	N/A	1	0.00
Hs.190342	9.82	chr1	N/A	7	58.84
Hs.604296	9.82	chr15	N/A	2	86.98
Hs.652913	9.82	chr17	N/A	3	53.67
Hs.670441	9.82	chr10	N/A	20	103.91
Hs.584515	9.82	chrX	N/A	3	29.58
Hs.715990	9.82	chr3	N/A	1	0.00
SPATA22	9.82	chr17	17p13.3	28	62.74
LOC100506161	9.82	chr1	N/A	21	80.24
Hs.732324	9.82	chr2	N/A	8	88.06
Hs.689505	9.82	chr7	N/A	7	83.49
Hs.667398	9.82	chr10	N/A	2	36.49
LOC100506473	9.82	chr2	N/A	11	99.02
LOC100506700	9.82	chr14	N/A	7	75.68
TBC1D27	9.81	chr17	17p11.2	1	0.00
CSAG3	9.81	chrX	Xq28	14	53.42

SLC16A6	9.81	chr17	17q24.2	39	85.11
LOC643623	9.81	chr6	6q22.31	7	68.91
Hs.652420	9.81	chr5	N/A	6	78.92
Hs.521205	9.81	chr7	N/A	3	20.22
GPR148	9.81	chr2	2q21.1	6	33.74
Hs.502133	9.81	chr11	N/A	3	46.22
CDC20B	9.81	chr5	5q11.2	45	82.77
Hs.213331	9.81	chr3	N/A	3	83.73
Hs.158580	9.81	chr11	N/A	2	96.91
LPPR5	9.81	chr1	1p21.3	20	198.58
LINC00470	9.81	chr18	N/A	42	164.29
Hs.147533	9.81	chr4	N/A	10	90.68
Hs.34747	9.81	chr2	N/A	3	44.06
LOC100240734	9.81	chr12	12q13.13	8	52.74
CNTN4	9.81	chr3	3p26.3	59	94.36
Hs.542810	9.81	chr3	N/A	3	59.77
F9	9.81	chrX	Xq27.1-q27.2	23	71.97
Hs.655444	9.81	chr5	N/A	1	0.00
LOC100506219	9.81	chr5	N/A	18	65.56
LOC100996324	9.81	chr18	N/A	3	43.48
OTOP1	9.81	chr4	4p16.3	16	61.51
Hs.689479	9.81	chr5	N/A	10	49.58
Hs.541753	9.81	chr2	N/A	3	96.06
Hs.559904	9.81	chr11	N/A	3	62.94
GEN1	9.81	chr2	2p24.2	56	85.02
LOC100652782	9.81	chr5	N/A	5	29.57
Hs.572005	9.81	chr10	N/A	3	42.86
Hs.148516	9.81	chr8	N/A	5	45.85
Hs.664525	9.80	chr7	N/A	7	41.54
Hs.544383	9.80	chr6	N/A	3	17.30
Hs.734033	9.80	chr13	N/A	5	99.74
TMEM254-AS1	9.80	chr10	10q23.1	15	146.76
Hs.566152	9.80	chr4	N/A	3	32.41
LOC729911	9.80	chr15	15q25.1	10	201.55
Hs.545055	9.80	chr7	N/A	10	72.33
DNAH6	9.80	chr2	2p11.2	70	88.15
Hs.116179	9.80	chr19	N/A	10	73.69
CDH17	9.80	chr8	8q22.1	44	82.64
Hs.666898	9.80	chr3	N/A	16	73.51
ZNF701	9.80	chr19	19q13.41	29	73.42
NCAPG	9.80	chr4	4p15.33	26	151.25
Hs.660536	9.80	chr9	N/A	7	49.65
Hs.664867	9.80	chr9	N/A	8	49.16
LOC654841	9.80	chr2	2q36-q37	8	64.23
Hs.628569	9.80	chr17	N/A	3	39.14
ANGPTL6	9.80	chr19	19p13.2	19	37.08
LOC100996579	9.80	chr2	N/A	21	70.57
Hs.666408	9.80	chr17	N/A	3	105.39
PALM2	9.80	chr9	9q31.3	3	28.46
Hs.559841	9.80	chr10	N/A	7	42.65
Hs.563197	9.80	chr4	N/A	3	35.75
Hs.664086	9.80	chr9	N/A	14	57.86
Hs.26922	9.80	chr5	N/A	3	37.69
Hs.149917	9.79	chr13	N/A	8	70.27
Hs.614284	9.79	chr10	N/A	2	7.44
Hs.37517	9.79	chr1	N/A	10	75.64
Hs.666768	9.79	chr19	N/A	7	72.48
Hs.640528	9.79	chr2	N/A	3	105.06
NDST4	9.79	chr4	4q26	22	64.53
Hs.586155	9.79	chr4	N/A	3	63.95
C20orf173	9.79	chr20	20q11.22	15	48.17
Hs.539872	9.79	chr14	N/A	3	5.14
Hs.559589	9.79	chr1	N/A	8	11.87
Hs.158830	9.79	chr3	N/A	3	15.55
Hs.540554	9.79	chr16	N/A	10	88.25
Hs.150750	9.79	chr13	N/A	5	63.82

Hs.648542	9.79	chr16	N/A	13	81.15
Hs.604244	9.79	chr5	N/A	2	25.27
Hs.537927	9.79	chr1	N/A	1	0.00
Hs.537073	9.78	chr1	N/A	7	47.51
Hs.670272	9.78	chr15	N/A	1	0.00
Hs.539406	9.78	chr12	N/A	3	8.40
Hs.574104	9.78	chr13	N/A	3	43.94
KCNAB1-AS2	9.78	chr3	N/A	7	44.92
PRO0611	9.78	chr1	1p35.2	3	33.43
CXorf31	9.78	chrX	Xp11.3	1	0.00
Hs.661579	9.78	chr3	N/A	7	61.18
Hs.613963	9.78	chr7	N/A	1	0.00
Hs.675436	9.78	chr7	N/A	10	69.25
LOC729950	9.78	chr18	18q11.2	6	43.32
UNC93A	9.78	chr6	6q27	47	77.75
CXorf22	9.78	chrX	Xp21.1	19	67.71
Hs.97449	9.78	chr9	N/A	7	61.33
Hs.599464	9.77	chr1	N/A	13	44.64
Hs.128882	9.77	chr1	N/A	3	54.67
Hs.543844	9.77	chr5	N/A	10	94.34
OR2L13	9.77	chr1	1q44	41	104.76
Hs.542071	9.77	chr2	N/A	10	59.45
CRTAM	9.77	chr11	11q24.1	28	92.46
Hs.543613	9.77	chr4	N/A	3	70.50
Hs.576073	9.77	chr1	N/A	3	40.58
Hs.677080	9.77	chr8	N/A	12	84.68
Hs.540569	9.77	chr16	N/A	3	50.95
Hs.661217	9.77	chr5	N/A	3	36.61
KNDC1	9.77	chr10	10q26.3	78	111.77
LOC729900	9.77	chr15	15q11.2	3	34.88
Hs.597771	9.77	chr13	N/A	7	79.47
Hs.569570	9.76	chr16	N/A	3	80.58
Hs.543905	9.76	chr5	N/A	3	90.75
Hs.491548	9.76	chr8	N/A	7	64.39
Hs.602874	9.76	chr9	N/A	2	0.44
Hs.546021	9.76	chrX	N/A	10	56.85
MGC13053	9.76	chr11	11q23.3	28	36.97
Hs.712739	9.76	chr16	N/A	25	95.93
Hs.571699	9.76	chrX	N/A	15	134.94
Hs.224279	9.76	chr20	N/A	3	66.14
Hs.442253	9.76	chr5	N/A	3	27.77
Hs.661429	9.76	chr11	N/A	12	51.16
LOC402160	9.76	chr4	4p16.3	9	50.66
LINC00865	9.75	chr10	10q23.31	3	53.87
Hs.240182	9.75	chr3	N/A	7	98.40
Hs.127665	9.75	chr9	N/A	10	68.15
Hs.601135	9.75	chr4	N/A	7	55.61
OR7A10	9.75	chr19	19p13.12	18	47.45
Hs.604529	9.75	chr11	N/A	3	22.55
PPP4R1L	9.75	chr20	20q13.32	39	91.87
Hs.569669	9.75	chr16	N/A	1	0.00
Hs.196555	9.75	chr2	N/A	5	44.19
Hs.575764	9.75	chr1	N/A	3	50.37
Hs.551041	9.75	chr4	N/A	3	39.73
USP44	9.75	chr12	12q22	22	48.24
Hs.666646	9.75	chr7	N/A	7	99.94
EFCAB6	9.75	chr22	22q13.2	57	89.08
CCDC170	9.75	chr6	6q25.1	35	88.40
Hs.666179	9.75	chr16	N/A	10	78.96
Hs.552684	9.74	chr13	N/A	4	42.79
Hs.578339	9.74	chr14	N/A	3	44.64
Hs.550710	9.74	chr21	N/A	3	49.71
Hs.131371	9.74	chr11	N/A	10	44.22
STXBP4	9.74	chr17	17q22	26	76.00
NLGN4Y	9.74	chrY	Yq11.221	34	59.89
PRG1	9.74	chr19	19q13.2	8	13.42

CNTN5	9.74	chr11	11q22.1	41	95.40
Hs.99011	9.74	chr10	N/A	17	98.63
Hs.132254	9.74	chr3	N/A	5	55.92
Hs.545430	9.74	chr8	N/A	3	42.50
IFNW1	9.74	chr9	9p22	26	100.87
Hs.730194	9.74	chr6	N/A	3	12.00
Hs.543041	9.74	chr3	N/A	3	13.04
SLC22A24	9.74	chr11	11q12.3	21	98.94
Hs.660393	9.74	chr10	N/A	3	11.83
Hs.564343	9.74	chr12	N/A	3	55.93
Hs.562460	9.74	chr12	N/A	5	50.88
Hs.660969	9.74	chr6	N/A	14	51.91
Hs.129174	9.74	chr2	N/A	7	64.39
Hs.437760	9.73	chr3	N/A	3	44.40
Hs.159053	9.73	chr11	N/A	3	61.37
Hs.204931	9.73	chr1	N/A	3	49.36
Hs.538217	9.73	chr1	N/A	3	7.42
Hs.126509	9.73	chr10	N/A	7	69.93
SGOL2	9.73	chr2	2q33.1	42	76.35
Hs.545562	9.73	chr8	N/A	3	48.47
Hs.576993	9.73	chr11	N/A	3	66.18
TAS2R38	9.73	chr7	7q34	17	99.77
Hs.563847	9.73	chr1	N/A	3	84.20
Hs.640318	9.73	chr15	N/A	3	48.83
Hs.368016	9.73	chr17	N/A	7	80.15
Hs.662327	9.73	chr16	N/A	14	80.81
Hs.637128	9.73	chr17	N/A	3	16.70
Hs.668253	9.73	chr3	N/A	7	50.12
Hs.577350	9.73	chr11	N/A	6	54.89
C1orf110	9.73	chr1	1q23.3	14	43.59
Hs.130623	9.73	chr10	N/A	10	38.42
GLRA3	9.73	chr4	4q34.1	62	77.90
Hs.667661	9.73	chr18	N/A	2	74.37
Hs.603483	9.73	chr9	N/A	3	50.51
Hs.407614	9.73	chr1	N/A	1	0.00
Hs.538747	9.73	chr11	N/A	3	46.74
GIPC2	9.73	chr1	1p31.1	41	63.75
Hs.571024	9.72	chr5	N/A	3	45.57
Hs.603677	9.72	chr9	N/A	2	63.96
MCF2L-AS1	9.72	chr13	13q34	23	64.50
Hs.566426	9.72	chr6	N/A	3	54.31
Hs.570383	9.72	chr20	N/A	4	54.06
FRG2B	9.72	chr10	10q26.3	6	62.33
TAT	9.72	chr16	16q22.1	48	94.15
Hs.129603	9.72	chr13	N/A	10	65.83
Hs.603102	9.72	chr6	N/A	7	73.48
C10orf107	9.72	chr10	10q21.2	19	209.55
Hs.561791	9.72	chr8	N/A	10	78.06
Hs.660202	9.72	chr15	N/A	1	0.00
RBM47	9.72	chr4	4p14	66	62.67
Hs.659698	9.72	chr12	N/A	7	81.00
Hs.593461	9.72	chr13	N/A	1	0.00
CTSW	9.72	chr11	11q13.1	38	73.02
Hs.560675	9.72	chr3	N/A	7	34.19
GPR143	9.72	chrX	Xp22.3	35	64.21
Hs.662573	9.72	chr2	N/A	7	87.73
FAM218A	9.72	chr4	4q32.3	25	80.32
DEFB117	9.72	chr20	20q11.21	3	61.43
Hs.539787	9.72	chr13	N/A	3	53.04
Hs.544930	9.72	chr7	N/A	3	61.41
MAS1L	9.71	chr6	6p21	17	55.04
Hs.130414	9.71	chr3	N/A	3	36.20
CLRN3	9.71	chr10	10q26.2	19	83.19
ANKUB1	9.71	chr3	3q25.1	13	68.17
Hs.655985	9.71	chrX	N/A	9	53.97
Hs.664238	9.71	chr2	N/A	15	50.66

Hs.710002	9.71	chr5	N/A	8	95.68
CARD14	9.71	chr17	17q25	49	117.69
LOC339622	9.71	chr21	21q21.1-q21.2	1	0.00
Hs.541907	9.71	chr2	N/A	3	77.26
LOC283731	9.71	chr15	15q24.1	1	0.00
Hs.656862	9.71	chr1	N/A	8	73.45
Hs.143909	9.71	chr16	N/A	10	84.18
LINC00635	9.71	chr3	3q13.12	18	142.01
Hs.545258	9.71	chr8	N/A	3	76.49
EVX2	9.71	chr2	2q31.1	6	44.09
Hs.541425	9.71	chr1	N/A	3	91.95
GSTA2	9.70	chr6	6p12.1	44	84.38
C19orf67	9.70	chr19	19p13.12	2	21.62
Hs.584357	9.70	chr9	N/A	3	15.09
Hs.147371	9.70	chr20	N/A	3	37.18
Hs.112893	9.70	chr9	N/A	10	49.24
Hs.667678	9.70	chr2	N/A	2	84.78
CLDN8	9.70	chr21	21q22.11	35	81.40
Hs.594293	9.70	chr13	N/A	7	34.47
Hs.675457	9.70	chr10	N/A	15	113.21
Hs.626333	9.70	chr15	N/A	3	18.99
Hs.534396	9.70	chr12	N/A	7	50.24
Hs.671801	9.70	chr9	N/A	2	43.14
Hs.149200	9.69	chr12	N/A	10	83.41
TPTE	9.69	chr21	21p11	41	85.49
Hs.740745	9.69	chr4	N/A	7	62.42
Hs.578104	9.69	chr14	N/A	13	60.27
Hs.544782	9.69	chr7	N/A	10	108.21
Hs.562125	9.69	chr1	N/A	3	82.18
Hs.124543	9.69	chr1	N/A	10	117.55
OR9Q2	9.69	chr11	11q12.1	3	45.79
Hs.533259	9.69	chr5	N/A	3	47.15
Hs.739511	9.69	chr18	N/A	3	73.83
Hs.543855	9.69	chr5	N/A	3	42.30
Hs.334122	9.69	chr21	N/A	3	54.84
Hs.546012	9.69	chrX	N/A	3	57.72
Hs.545053	9.69	chr7	N/A	3	18.47
Hs.427242	9.69	chr7	N/A	10	83.40
Hs.134088	9.69	chr8	N/A	10	89.68
Hs.564024	9.68	chr10	N/A	3	24.52
Hs.648984	9.68	chr17	N/A	3	15.92
Hs.434948	9.68	chr12	N/A	11	231.49
Hs.283201	9.68	chr3	N/A	3	32.94
Hs.718769	9.68	chr11	N/A	7	44.69
Hs.440729	9.68	chr3	N/A	4	39.72
Hs.715058	9.68	chr14	N/A	3	93.54
Hs.662801	9.68	chr4	N/A	7	69.10
Hs.572721	9.68	chr2	N/A	14	120.33
Hs.677304	9.68	chr4	N/A	11	30.67
Hs.122428	9.68	chr8	N/A	7	76.95
Hs.122011	9.68	chr4	N/A	11	51.21
Hs.710362	9.68	chr9	N/A	3	106.26
KRTAP19-5	9.68	chr21	21q22.1	6	76.95
SNAR-E	9.68	chr19	19q13.32	3	53.56
Hs.133153	9.68	chr1	N/A	7	59.42
Hs.548458	9.68	chr4	N/A	3	79.37
Hs.541603	9.68	chr2	N/A	3	101.81
Hs.33519	9.68	chr6	N/A	11	236.25
Hs.308615	9.68	chr10	N/A	3	38.38
Hs.547430	9.68	chr14	N/A	10	71.89
LOC285696	9.68	chr5	5p15.1	27	105.47
Hs.442647	9.68	chr5	N/A	3	52.43
TRIM51	9.68	chr11	11q11	19	93.30
Hs.17661	9.67	chr1	N/A	11	94.18
APOBR	9.67	chr16	16p11	21	57.09
Hs.463556	9.67	chr17	N/A	4	49.14

Hs.154605	9.67	chr10	N/A	3	74.36
Hs.663995	9.67	chr7	N/A	7	72.45
TREH	9.67	chr11	11q23.3	37	66.60
SLC18A3	9.67	chr10	10q11.2	23	140.48
NAMA	9.67	chr9	9q22.33	13	76.87
SCIN	9.67	chr7	7p21.3	34	131.62
Hs.565537	9.67	chr2	N/A	3	32.48
Hs.733849	9.67	chr5	N/A	10	70.73
Hs.601499	9.67	chr10	N/A	7	73.21
Hs.528228	9.67	chr6	N/A	3	63.46
Hs.577545	9.67	chr12	N/A	3	60.62
Hs.733949	9.67	chr19	N/A	2	6.36
Hs.434954	9.67	chr2	N/A	3	46.43
Hs.224015	9.67	chr10	N/A	10	55.59
Hs.634263	9.67	chr3	N/A	1	0.00
Hs.568646	9.66	chr1	N/A	6	59.27
CPS1-IT1	9.66	chr2	2q34	25	116.05
QRICH2	9.66	chr17	17q25.1	26	143.22
LOC692247	9.66	chr11	11p15.5	6	78.89
Hs.369868	9.66	chr11	N/A	3	43.65
SPDYE1	9.66	chr7	7p13	70	82.18
MFAP3L	9.66	chr4	4q32.3	75	145.06
Hs.656059	9.66	chr5	N/A	3	47.16
Hs.660111	9.66	chr1	N/A	7	53.89
LINC00202-1	9.66	chr10	10p12.1	21	183.45
TAAR3	9.66	chr6	6q23-q24	8	80.13
TAS2R13	9.66	chr12	12p13	21	69.97
LOC90834	9.66	chr22	22q13.33	11	131.16
Hs.496366	9.66	chrX	N/A	4	45.33
LCN8	9.66	chr9	9q34.3	19	45.66
Hs.580150	9.65	chr2	N/A	3	66.77
Hs.105423	9.65	chr6	N/A	10	91.27
LOC100190940	9.65	chr12	12q24.33	3	38.02
Hs.145993	9.65	chr4	N/A	10	60.59
Hs.732159	9.65	chr1	N/A	7	48.47
Hs.132528	9.65	chr2	N/A	5	90.66
Hs.606520	9.65	chr21	N/A	1	0.00
Hs.475678	9.65	chr3	N/A	3	23.71
Hs.504538	9.65	chr12	N/A	7	66.02
FGF10	9.65	chr5	5p13-p12	17	131.52
Hs.603649	9.65	chr1	N/A	2	7.01
Hs.541249	9.65	chr19	N/A	3	65.47
Hs.603618	9.65	chr8	N/A	3	41.02
Hs.236298	9.65	chr13	N/A	3	104.95
Hs.734188	9.65	chr2	N/A	7	66.27
DLG1-AS1	9.65	chr3	N/A	1	0.00
Hs.482850	9.65	chr5	N/A	9	101.54
PSCA	9.65	chr8	8q24.2	57	120.82
MAP10	9.65	chr1	1q42.2	33	97.61
FLJ13197	9.65	chr4	4p14	26	121.51
WDR17	9.65	chr4	4q34	44	97.65
C15orf56	9.64	chr15	15q15.1	28	71.33
Hs.541910	9.64	chr2	N/A	3	34.80
LOC440900	9.64	chr2	2q14.1	15	98.11
Hs.637105	9.64	chr11	N/A	3	8.81
Hs.436205	9.64	chr3	N/A	4	58.98
Hs.658498	9.64	chr15	N/A	7	115.90
TRIM73	9.64	chr7	7q11.23	20	65.34
TSPY2	9.64	chrY	Yp11.2	14	105.49
Hs.151208	9.64	chrX	N/A	2	74.91
SNORD38A	9.64	chr1	1p34.1	3	57.94
TBC1D28	9.64	chr17	17p11.2	15	81.00
Hs.667059	9.64	chr4	N/A	7	63.59
Hs.666373	9.64	chr5	N/A	7	27.65
Hs.722161	9.64	chr7	N/A	7	46.25
Hs.515967	9.63	chr2	N/A	3	105.50

C14orf177	9.63	chr14	14q32.2	15	163.46
Hs.709679	9.63	chr8	N/A	3	50.36
ADAM29	9.63	chr4	4q34	18	90.85
Hs.657227	9.63	chr5	N/A	14	45.67
Hs.668627	9.63	chr1	N/A	8	85.54
Hs.677179	9.63	chr3	N/A	2	32.27
Hs.634857	9.63	chr11	N/A	14	90.15
Hs.46669	9.63	chr2	N/A	7	87.75
Hs.661350	9.63	chr5	N/A	7	88.03
Hs.602723	9.63	chr11	N/A	7	92.95
LOC100132319	9.63	chr3	3q28	2	47.67
ABCC5-AS1	9.63	chr3	N/A	3	56.64
Hs.489722	9.63	chr7	N/A	1	0.00
CCT8L2	9.63	chr22	22q11.1	31	100.15
Hs.539133	9.63	chr12	N/A	5	24.83
CTAG2	9.63	chrX	Xq28	31	122.57
Hs.459111	9.63	chr15	N/A	3	26.01
LOC401068	9.62	chr3	3p21.1	4	41.11
GABRG3	9.62	chr15	15q12	26	98.75
ADAM2	9.62	chr8	8p11.2	23	133.05
Hs.734208	9.62	chr15	N/A	7	15.86
Hs.334562	9.62	chr10	N/A	3	33.89
LOC100506312	9.62	chr7	N/A	1	0.00
Hs.148447	9.62	chr5	N/A	2	8.64
Hs.635716	9.62	chrX	N/A	3	63.19
Hs.679154	9.62	chr1	N/A	10	18.74
Hs.573306	9.62	chr6	N/A	3	63.18
LOC646804	9.62	chr1	1q24.3	3	53.08
Hs.550996	9.62	chr20	N/A	3	61.53
Hs.49265	9.62	chr4	N/A	10	26.47
Hs.702487	9.62	chr11	N/A	10	42.61
Hs.237007	9.62	chr10	N/A	3	39.25
Hs.573084	9.62	chr4	N/A	3	30.67
Hs.560324	9.62	chr15	N/A	4	51.18
Hs.434739	9.62	chr15	N/A	4	119.07
Hs.609168	9.62	chr9	N/A	1	0.00
Hs.151173	9.61	chr7	N/A	2	96.47
Hs.544551	9.61	chr6	N/A	3	25.28
Hs.713736	9.61	chr4	N/A	7	54.31
Hs.550255	9.61	chr10	N/A	3	46.16
Hs.543100	9.61	chr3	N/A	5	49.51
Hs.569621	9.61	chr16	N/A	1	0.00
Hs.566168	9.61	chr4	N/A	3	18.68
Hs.561153	9.61	chr3	N/A	3	102.82
Hs.527174	9.61	chr5	N/A	3	94.11
C4orf26	9.61	chr4	4q21.1	24	45.51
Hs.658281	9.61	chr17	N/A	3	18.19
Hs.520321	9.61	chr6	N/A	7	68.94
Hs.533794	9.61	chr1	N/A	3	34.32
LOC100507602	9.61	chr5	N/A	12	57.44
C22orf42	9.61	chr22	22q12.3	7	60.30
Hs.132551	9.61	chr7	N/A	10	98.98
Hs.706985	9.61	chr18	N/A	5	37.58
TMEM249	9.61	chr8	8q24.3	28	63.40
Hs.543315	9.61	chr4	N/A	3	47.59
HULC	9.61	chr6	6p24.3	3	41.78
HELB	9.61	chr12	12q	34	70.69
Hs.149067	9.61	chr2	N/A	2	4.99
Hs.657821	9.60	chr19	N/A	8	103.26
C5orf52	9.60	chr5	5q33.3	12	170.80
Hs.656759	9.60	chr2	N/A	2	68.46
Hs.666141	9.60	chr8	N/A	7	69.55
Hs.552265	9.60	chr4	N/A	3	30.03
Hs.575126	9.60	chr4	N/A	3	19.20
Hs.638393	9.60	chr13	N/A	1	0.00
Hs.680114	9.60	chr2	N/A	11	199.65

Hs.617238	9.60	chr16	N/A	3	52.08
LEKR1	9.60	chr3	3q25.31	15	88.71
Hs.602928	9.60	chr12	N/A	7	77.63
Hs.581603	9.60	chr3	N/A	3	56.96
Hs.129402	9.60	chr20	N/A	10	69.22
Hs.598845	9.60	chr11	N/A	5	103.24
Hs.664190	9.60	chr1	N/A	7	50.34
Hs.369188	9.60	chr13	N/A	7	69.93
ATP13A5	9.60	chr3	3q29	17	155.63
Hs.538615	9.60	chr10	N/A	3	35.93
Hs.678184	9.60	chr2	N/A	1	0.00
LOC400756	9.60	chr1	1p31.3	11	53.16
Hs.736671	9.60	chr6	N/A	3	60.56
LOC100507024	9.60	chr6	N/A	6	118.36
Hs.636932	9.60	chr14	N/A	3	26.65
Hs.567685	9.60	chr8	N/A	3	38.56
Hs.659821	9.60	chr2	N/A	2	58.79
Hs.303112	9.59	chr19	N/A	3	67.00
Hs.197693	9.59	chr22	N/A	2	29.72
OR52W1	9.59	chr11	11p15.4	6	59.05
Hs.733419	9.59	chr1	N/A	7	49.98
Hs.655715	9.59	chr17	N/A	1	0.00
Hs.348532	9.59	chr16	N/A	13	130.21
Hs.732537	9.59	chr7	N/A	7	80.80
PAK7	9.59	chr20	20p12	31	97.91
Hs.602724	9.59	chr1	N/A	2	50.65
Hs.603534	9.59	chr3	N/A	7	38.42
Hs.666350	9.59	chr2	N/A	14	56.22
Hs.162195	9.59	chr1	N/A	1	0.00
LOC100996477	9.59	chr12	N/A	8	42.81
WNK4	9.59	chr17	17q21-q22	28	73.13
LINC00113	9.59	chr21	21q21.3	8	44.77
MAGEB6	9.58	chrX	Xp21.3	22	93.03
Hs.580636	9.58	chr20	N/A	3	49.68
OR6K3	9.58	chr1	1q23.1	6	89.06
Hs.571336	9.58	chr7	N/A	3	32.22
LOC388882	9.58	chr22	22q11.23	18	52.18
HAVCR1	9.58	chr5	5q33.2	20	80.54
LOC100996624	9.58	chr3	N/A	1	0.00
Hs.666750	9.58	chr7	N/A	2	53.71
Hs.544626	9.58	chr6	N/A	3	77.17
Hs.145394	9.58	chr13	N/A	18	62.71
Hs.569292	9.58	chr13	N/A	5	57.97
SLIT2-IT1	9.58	chr4	N/A	18	121.20
Hs.562230	9.58	chr1	N/A	3	54.91
Hs.538418	9.58	chr10	N/A	3	20.08
LOC645513	9.58	chr4	4q26	23	61.86
Hs.126123	9.57	chr8	N/A	7	96.95
Hs.664599	9.57	chr3	N/A	7	94.26
RXFP3	9.57	chr5	5p15.1-p14	21	53.46
Hs.668045	9.57	chr17	N/A	2	6.38
Hs.12381	9.57	chr12	N/A	2	2.02
Hs.46693	9.57	chr8	N/A	7	76.05
Hs.563186	9.57	chr4	N/A	3	39.20
Hs.158564	9.57	chr15	N/A	4	103.14
LOC100130642	9.57	chr2	2p21	7	101.71
Hs.565615	9.57	chr2	N/A	3	4.11
Hs.634213	9.57	chr1	N/A	1	0.00
Hs.656873	9.57	chr11	N/A	1	0.00
LENEP	9.57	chr1	1q22	21	81.70
Hs.141748	9.57	chr10	N/A	13	90.45
Hs.6181	9.57	chr6	N/A	7	63.64
Hs.548227	9.57	chr1	N/A	3	46.66
Hs.518926	9.57	chr1	N/A	3	63.42
Hs.641001	9.57	chr2	N/A	3	62.50
IL1A	9.57	chr2	2q14	51	94.92

DDX4	9.57	chr5	5p15.2-p13.1	26	124.18
Hs.551077	9.57	chr5	N/A	18	79.27
LOC100289094	9.57	chr2	2q37.3	28	56.37
Hs.132478	9.57	chr2	N/A	7	100.06
Hs.176013	9.57	chr20	N/A	3	111.11
Hs.270042	9.57	chr9	N/A	7	75.70
Hs.531346	9.57	chr2	N/A	10	24.14
Hs.602508	9.56	chr18	N/A	2	47.01
Hs.606441	9.56	chr6	N/A	10	26.77
CYP4F22	9.56	chr19	19p13.12	19	58.48
Hs.664160	9.56	chr4	N/A	7	87.15
Hs.733971	9.56	chr16	N/A	5	19.96
Hs.602417	9.56	chr9	N/A	3	56.58
Hs.580587	9.56	chr2	N/A	3	29.18
Hs.146563	9.56	chr6	N/A	3	51.82
Hs.567090	9.56	chr9	N/A	3	56.47
Hs.660788	9.56	chr2	N/A	7	80.27
Hs.231989	9.56	chr6	N/A	3	97.88
Hs.158667	9.56	chr5	N/A	10	62.05
EML5	9.56	chr14	14q31.3	37	88.21
Hs.129290	9.56	chr9	N/A	5	59.71
Hs.551432	9.56	chr2	N/A	3	66.62
Hs.582171	9.56	chr5	N/A	3	42.42
Hs.664687	9.56	chrX	N/A	7	93.80
Hs.435992	9.56	chr1	N/A	10	93.63
TPRXL	9.56	chr3	3p25.1	17	35.67
Hs.667723	9.56	chr3	N/A	11	27.49
Hs.655997	9.56	chr19	N/A	2	9.89
Hs.128569	9.56	chr7	N/A	10	81.04
Hs.553127	9.55	chr6	N/A	10	67.34
Hs.573478	9.55	chr8	N/A	3	38.70
KIAA0754	9.55	chr1	1p34.3	21	97.73
FLJ21369	9.55	chr19	19q13.11	15	46.34
Hs.659055	9.55	chr11	N/A	4	56.92
Hs.668195	9.55	chr15	N/A	7	70.72
Hs.93739	9.55	chr20	N/A	17	57.46
Hs.543056	9.55	chr3	N/A	3	15.61
Hs.126664	9.55	chr1	N/A	11	91.93
Hs.259540	9.55	chr17	N/A	3	54.89
Hs.638433	9.55	chr19	N/A	10	74.71
Hs.668203	9.55	chr2	N/A	7	62.45
Hs.583543	9.55	chr7	N/A	3	54.95
Hs.583834	9.55	chr8	N/A	3	42.97
MC4R	9.55	chr18	18q22	21	51.38
Hs.569025	9.55	chr11	N/A	1	0.00
Hs.662207	9.55	chr1	N/A	1	0.00
Hs.602596	9.55	chr14	N/A	7	75.98
Hs.713212	9.55	chr2	N/A	1	0.00
Hs.662251	9.55	chr4	N/A	8	48.48
Hs.666427	9.55	chr11	N/A	14	72.37
Hs.545429	9.55	chr8	N/A	3	31.10
Hs.544887	9.55	chr7	N/A	10	70.79
Hs.663271	9.54	chr3	N/A	14	31.81
Hs.665624	9.54	chr11	N/A	1	0.00
Hs.604228	9.54	chr21	N/A	2	17.55
Hs.445143	9.54	chr11	N/A	7	62.03
Hs.667115	9.54	chr11	N/A	4	14.22
SKA1	9.54	chr18	18q21.1	43	109.05
Hs.555591	9.54	chr21	N/A	1	0.00
Hs.664770	9.54	chr3	N/A	7	44.17
Hs.541932	9.54	chr2	N/A	3	20.69
Hs.661000	9.54	chr16	N/A	12	72.74
Hs.385753	9.54	chr10	N/A	1	0.00
IL31RA	9.54	chr5	5q11.2	45	82.80
Hs.544785	9.54	chr7	N/A	3	59.46
KERA	9.54	chr12	12q22	31	86.96

TMEM229A	9.54	chr7	7q31.32	15	50.33
Hs.641956	9.54	chr2	N/A	7	86.87
CYSLTR2	9.54	chr13	13q14.2	21	67.94
Hs.539345	9.54	chr12	N/A	3	91.75
DSCC1	9.54	chr8	8q24.12	124	125.49
C5orf47	9.54	chr5	5q35.2	24	71.21
Hs.552946	9.54	chr15	N/A	1	0.00
Hs.583886	9.53	chr8	N/A	3	88.43
Hs.576001	9.53	chr1	N/A	3	24.35
Hs.650589	9.53	chr13	N/A	3	21.11
Hs.727124	9.53	chr1	N/A	5	105.98
Hs.445936	9.53	chr10	N/A	14	52.59
Hs.716834	9.53	chr16	N/A	8	70.36
Hs.604675	9.53	chr4	N/A	7	38.37
PARP11	9.53	chr12	12p13.3	57	107.06
LOC100505964	9.53	chr2	2p25	38	76.19
Hs.600953	9.53	chr1	N/A	7	56.22
Hs.569538	9.53	chr16	N/A	4	76.06
LOC100130691	9.53	chr2	2q31.2	34	54.45
Hs.555566	9.53	chr2	N/A	3	61.59
Hs.543051	9.53	chr3	N/A	3	32.77
KLHL10	9.52	chr17	17q21.2	20	87.40
KCNJ6	9.52	chr21	21q22.1	34	78.15
LOC100509303	9.52	chr1	N/A	4	72.53
Hs.591880	9.52	chr9	N/A	21	83.93
Hs.664779	9.52	chr3	N/A	7	70.79
Hs.148238	9.52	chr18	N/A	5	54.99
LOC100506827	9.52	chr4	N/A	3	44.93
SLC17A6	9.52	chr11	11p14.3	21	52.90
Hs.658409	9.52	chr19	N/A	1	0.00
Hs.716831	9.52	chr3	N/A	1	0.00
Hs.657915	9.52	chr11	N/A	7	49.03
Hs.703192	9.52	chr6	N/A	7	89.85
Hs.96886	9.52	chrX	N/A	1	0.00
INSRR	9.52	chr1	1q21-q23	21	74.14
Hs.706703	9.52	chr1	N/A	10	22.77
Hs.128828	9.52	chr21	N/A	4	71.31
Hs.661535	9.52	chr19	N/A	10	94.61
Hs.601680	9.51	chr15	N/A	3	29.78
Hs.540277	9.51	chr15	N/A	3	42.63
Hs.541030	9.51	chr18	N/A	3	34.16
Hs.553125	9.51	chr6	N/A	10	76.99
Hs.561923	9.51	chr9	N/A	3	64.64
Hs.543536	9.51	chr4	N/A	3	65.65
Hs.602837	9.51	chr2	N/A	3	36.59
Hs.565837	9.51	chr3	N/A	3	38.67
Hs.558531	9.51	chr5	N/A	15	46.94
Hs.657334	9.51	chr7	N/A	19	56.53
Hs.571164	9.51	chr6	N/A	3	52.53
STPG2	9.51	chr4	4q22.3-q23	23	100.53
ADAM30	9.51	chr1	1p12	29	138.62
Hs.664632	9.51	chr13	N/A	8	54.20
GNAT3	9.51	chr7	7q21.11	18	82.90
Hs.619312	9.51	chr8	N/A	10	67.47
Hs.541946	9.51	chr2	N/A	3	84.38
Hs.649294	9.51	chr7	N/A	7	74.24
Hs.569430	9.51	chr15	N/A	2	48.91
Hs.156568	9.51	chr5	N/A	3	56.57
Hs.585699	9.51	chr15	N/A	11	55.13
RFPL4B	9.51	chr6	6q21	18	175.37
Hs.538787	9.50	chr11	N/A	3	80.29
Hs.666609	9.50	chr2	N/A	7	44.04
Hs.544583	9.50	chr6	N/A	3	29.78
LOC727916	9.50	chr6	6q12	19	53.46
Hs.282269	9.50	chr2	N/A	3	36.79
Hs.661819	9.50	chr1	N/A	1	0.00

Hs.602303	9.50	chr3	N/A	7	54.98
Hs.439161	9.50	chr3	N/A	3	32.38
Hs.249053	9.50	chr1	N/A	7	56.71
Hs.604166	9.50	chr13	N/A	2	54.96
Hs.650537	9.50	chr5	N/A	10	61.28
Hs.539461	9.50	chr12	N/A	3	22.27
Hs.536734	9.50	chr4	N/A	3	61.57
Hs.540155	9.50	chr15	N/A	3	39.79
Hs.713601	9.50	chr3	N/A	7	81.09
Hs.382666	9.50	chr10	N/A	4	50.53
Hs.665847	9.50	chr3	N/A	2	34.82
OCA2	9.50	chr15	15q	37	99.47
Hs.253347	9.50	chr1	N/A	3	14.41
Hs.603239	9.50	chr18	N/A	2	49.10
FAM9B	9.50	chrX	Xp22.32	21	54.59
Hs.357565	9.50	chr6	N/A	2	21.75
Hs.438250	9.50	chr15	N/A	7	73.61
LOC100653206	9.50	chr9	N/A	16	70.67
Hs.552549	9.50	chr4	N/A	3	40.41
Hs.566162	9.50	chr4	N/A	3	52.11
Hs.656511	9.50	chr8	N/A	7	40.97
Hs.133958	9.50	chr12	N/A	10	70.32
Hs.562886	9.49	chr2	N/A	12	86.77
Hs.514564	9.49	chr17	N/A	8	80.39
Hs.502235	9.49	chr11	N/A	3	41.97
CLECL1	9.49	chr12	12p13.31	15	124.62
PSG11	9.49	chr19	19q13.2	52	88.46
Hs.656300	9.49	chr22	N/A	8	115.13
Hs.660324	9.49	chrX	N/A	7	86.52
Hs.600427	9.49	chr10	N/A	7	32.54
Hs.667547	9.49	chr2	N/A	7	71.41
CRISP1	9.49	chr6	6p21.3	38	78.62
Hs.54838	9.49	chr18	N/A	7	68.28
Hs.600906	9.49	chr9	N/A	7	47.41
SPATA6L	9.49	chr9	9p24.2	35	52.93
Hs.571023	9.49	chr5	N/A	1	0.00
Hs.97313	9.49	chr8	N/A	8	69.23
Hs.564831	9.49	chr15	N/A	3	43.11
Hs.656142	9.49	chr7	N/A	7	68.24
Hs.675931	9.49	chr19	N/A	2	23.99
Hs.569138	9.49	chr12	N/A	11	204.84
Hs.731407	9.49	chr13	N/A	1	0.00
Hs.718398	9.49	chr3	N/A	2	57.69
Hs.662908	9.49	chr9	N/A	1	0.00
Hs.567194	9.49	chrX	N/A	3	57.91
Hs.554550	9.49	chr12	N/A	3	49.62
Hs.560300	9.48	chr14	N/A	3	48.13
LOC100507632	9.48	chr8	N/A	28	65.80
Hs.136535	9.48	chr8	N/A	2	11.35
Hs.146882	9.48	chr4	N/A	4	74.74
Hs.579546	9.48	chr18	N/A	3	19.46
Hs.145520	9.48	chr1	N/A	12	67.76
Hs.568827	9.48	chr10	N/A	3	58.58
Hs.733105	9.48	chr7	N/A	3	44.57
MCTP2	9.48	chr15	15q26.2	72	102.01
Hs.531002	9.48	chr13	N/A	7	43.20
STARD13-AS	9.48	chr13	N/A	19	99.94
Hs.537050	9.48	chr1	N/A	3	99.95
OR5P3	9.48	chr11	11p15.4	22	120.05
Hs.626697	9.48	chr9	N/A	3	36.37
Hs.581633	9.48	chr3	N/A	3	74.42
Hs.382185	9.48	chr2	N/A	4	74.35
Hs.539691	9.48	chr13	N/A	3	89.71
Hs.564727	9.48	chr14	N/A	3	22.36
Hs.148844	9.48	chr9	N/A	7	94.90
XAGE1B	9.48	chrX	Xp11.22	6	56.55

Hs.250281	9.48	chr20	N/A	3	99.22
Hs.738232	9.47	chr11	N/A	3	35.52
OR13C9	9.47	chr9	9q31.1	11	58.40
Hs.634103	9.47	chr15	N/A	3	65.60
Hs.171251	9.47	chr5	N/A	3	47.02
LOC100507654	9.47	chr13	N/A	13	70.56
DEFB129	9.47	chr20	20p13	26	50.26
Hs.551655	9.47	chr11	N/A	4	47.65
Hs.148544	9.47	chr12	N/A	5	51.53
Hs.653661	9.47	chr13	N/A	14	148.11
Hs.571048	9.47	chr6	N/A	10	103.71
Hs.307518	9.47	chr3	N/A	7	92.44
PAPOLB	9.47	chr7	7p22.1	22	47.86
Hs.334633	9.47	chr5	N/A	1	0.00
Hs.569276	9.47	chr13	N/A	3	74.32
Hs.560928	9.47	chr2	N/A	1	0.00
LOC100506289	9.47	chr7	N/A	8	50.88
Hs.601492	9.47	chr1	N/A	7	48.05
Hs.729539	9.47	chr21	N/A	8	33.14
FOXD4L2	9.46	chr9	9p12	6	70.41
SLC32A1	9.46	chr20	20q11.23	19	70.96
Hs.508729	9.46	chr13	N/A	11	62.37
Hs.664606	9.46	chr8	N/A	7	49.97
Hs.652716	9.46	chr3	N/A	2	44.85
Hs.80714	9.46	chr17	N/A	11	212.49
Hs.657102	9.46	chr12	N/A	7	55.77
Hs.129970	9.46	chr20	N/A	19	60.67
Hs.729040	9.46	chr2	N/A	1	0.00
Hs.204721	9.46	chr8	N/A	3	76.31
Hs.147558	9.46	chr4	N/A	2	27.75
Hs.602891	9.46	chr19	N/A	7	35.50
SPINK2	9.46	chr4	4q12	30	84.90
Hs.130171	9.46	chr1	N/A	10	67.44
HEXA-AS1	9.46	chr15	15q23	15	56.43
SPINK4	9.46	chr9	9p13.3	37	164.05
Hs.565819	9.45	chr2	N/A	3	95.78
KCNA1	9.45	chr12	12p13.32	50	109.68
Hs.576626	9.45	chr10	N/A	3	18.67
HSFY1	9.45	chrY	Yq11.222	23	53.43
Hs.633222	9.45	chr10	N/A	2	32.39
AFM	9.45	chr4	4q13.3	30	98.92
Hs.660237	9.45	chr2	N/A	8	36.93
Hs.617732	9.45	chr10	N/A	3	21.28
Hs.674610	9.45	chr2	N/A	1	0.00
Hs.671830	9.45	chr12	N/A	15	116.22
Hs.668345	9.45	chr14	N/A	7	70.20
Hs.563654	9.45	chrX	N/A	3	83.37
C3orf27	9.45	chr3	3q21	33	56.30
Hs.603265	9.45	chr14	N/A	3	71.63
Hs.148830	9.45	chr4	N/A	2	1.58
Hs.635306	9.45	chr10	N/A	3	49.94
ZP2	9.45	chr16	16p12	23	154.43
CLRN1-AS1	9.45	chr3	3q25.1	1	0.00
Hs.563833	9.45	chr1	N/A	3	30.03
Hs.655549	9.45	chr3	N/A	15	52.87
Hs.541649	9.44	chr2	N/A	3	51.86
Hs.602175	9.44	chr3	N/A	7	42.18
Hs.662682	9.44	chr17	N/A	8	68.18
FAM92B	9.44	chr16	16q24.1	23	128.68
LOC283856	9.44	chr16	16q12.2	1	0.00
SPATA9	9.44	chr5	5q15	52	123.82
Hs.543019	9.44	chr3	N/A	3	60.60
LOC100132078	9.44	chr11	11q23.1	1	0.00
Hs.240801	9.44	chr2	N/A	3	95.65
Hs.129501	9.44	chr7	N/A	7	75.97
Hs.656557	9.43	chr1	N/A	10	66.93

Hs.666648	9.43	chr12	N/A	10	92.40
Hs.573378	9.43	chr7	N/A	5	36.76
Hs.410773	9.43	chr6	N/A	3	63.50
Hs.126846	9.43	chr11	N/A	10	77.93
Hs.582298	9.43	chr5	N/A	3	13.68
Hs.733459	9.43	chr11	N/A	1	0.00
LOC100505624	9.43	chr2	2p23.3	4	51.89
Hs.579498	9.43	chr18	N/A	3	40.45
ZCCHC18	9.43	chrX	Xq22.2	18	43.42
LHFPL3	9.43	chr7	7q22.2	26	148.62
C11orf93	9.43	chr11	11q23.1	18	107.69
Hs.540180	9.43	chr15	N/A	8	73.11
Hs.656966	9.43	chr3	N/A	1	0.00
KRTAP17-1	9.43	chr17	17q12-q21	19	48.51
CKAP2L	9.43	chr2	2q13	43	82.69
Hs.538901	9.43	chr11	N/A	3	25.19
TPTE2	9.43	chr13	13q12.11	22	155.60
LINC00694	9.43	chr3	N/A	7	48.28
Hs.732969	9.43	chr3	N/A	11	48.17
Hs.652610	9.43	chr17	N/A	7	72.44
Hs.729781	9.43	chr2	N/A	1	0.00
CACNG2	9.43	chr22	22q13.1	42	81.08
IL21R-AS1	9.43	chr16	16p12.2	8	42.48
Hs.614842	9.43	chr15	N/A	10	29.51
Hs.658754	9.42	chr9	N/A	1	0.00
Hs.121635	9.42	chr20	N/A	3	54.43
Hs.605079	9.42	chr4	N/A	1	0.00
Hs.578562	9.42	chr15	N/A	3	71.90
Hs.662309	9.42	chr5	N/A	23	163.03
Hs.670365	9.42	chr20	N/A	1	0.00
XG	9.42	chrX	Xp22.33	39	114.65
Hs.116817	9.42	chr19	N/A	7	22.77
Hs.156525	9.42	chr14	N/A	3	16.24
Hs.576199	9.42	chr1	N/A	3	59.99
Hs.443436	9.42	chr20	N/A	3	85.13
Hs.666438	9.42	chr16	N/A	14	41.11
Hs.648487	9.42	chr14	N/A	10	45.29
DPRX	9.42	chr19	19q13.42	3	55.25
Hs.666816	9.42	chr3	N/A	7	50.77
BCL11B	9.42	chr14	14q32.2	53	78.21
Hs.713899	9.42	chr10	N/A	7	61.81
C17orf100	9.42	chr17	17p13.1	18	139.64
Hs.364048	9.42	chr2	N/A	3	55.58
Hs.23681	9.42	chr9	N/A	11	80.90
Hs.666116	9.41	chr16	N/A	7	68.39
PP12613	9.41	chr4	4q27	11	31.77
Hs.671803	9.41	chr18	N/A	1	0.00
Hs.582596	9.41	chr6	N/A	3	52.54
LOC100131929	9.41	chr7	7q22.2	10	177.42
RS1	9.41	chrX	Xp22.13	43	80.90
Hs.435857	9.41	chr8	N/A	3	75.32
Hs.655015	9.41	chr5	N/A	7	80.87
Hs.131110	9.41	chr5	N/A	7	111.06
Hs.733880	9.41	chr11	N/A	15	59.47
Hs.537547	9.41	chrX	N/A	3	46.66
MRGPRX1	9.41	chr11	11	17	54.05
Hs.33756	9.41	chr3	N/A	21	88.93
Hs.669034	9.41	chr9	N/A	1	0.00
Hs.538718	9.41	chr11	N/A	3	50.65
Hs.288945	9.41	chr2	N/A	14	90.36
SLC46A2	9.41	chr9	9q32	26	110.09
CBLN4	9.41	chr20	20q13	22	75.62
Hs.562621	9.41	chr15	N/A	3	20.96
Hs.557081	9.41	chr11	N/A	11	89.37
Hs.572704	9.41	chr2	N/A	7	32.43
Hs.537754	9.41	chr1	N/A	3	59.93

Hs.402144	9.41	chr3	N/A	3	15.85
Hs.539069	9.41	chr11	N/A	3	23.72
Hs.657965	9.40	chr9	N/A	8	55.86
Hs.469395	9.40	chr2	N/A	3	42.65
Hs.560811	9.40	chr2	N/A	3	66.20
Hs.659840	9.40	chr5	N/A	14	85.32
Hs.660965	9.40	chr4	N/A	7	57.28
Hs.604173	9.40	chr18	N/A	2	20.46
LOC284801	9.40	chr20	20p11.1	29	89.20
Hs.659118	9.40	chr14	N/A	1	0.00
Hs.657210	9.40	chr10	N/A	2	65.75
Hs.563637	9.40	chr9	N/A	10	69.19
Hs.649688	9.40	chr17	N/A	3	66.94
Hs.620070	9.40	chr4	N/A	3	37.85
Hs.602978	9.40	chr20	N/A	10	56.29
Hs.623422	9.40	chr4	N/A	8	13.23
Hs.293907	9.40	chr18	N/A	7	79.75
Hs.565378	9.40	chr2	N/A	3	62.76
Hs.677267	9.40	chr1	N/A	10	97.23
Hs.667787	9.40	chr14	N/A	14	77.22
Hs.667291	9.40	chr5	N/A	7	34.19
Hs.566795	9.40	chr7	N/A	3	66.09
Hs.520477	9.40	chr6	N/A	1	0.00
Hs.546138	9.40	chrX	N/A	3	41.08
OR4F16	9.40	chr1	1p36.33	11	84.16
Hs.649271	9.40	chr18	N/A	7	120.93
FAM157A	9.40	chr3	3q29	3	46.74
TRAT1	9.40	chr3	3q13	31	79.81
Hs.673478	9.40	chr1	N/A	1	0.00
Hs.211033	9.40	chr12	N/A	1	0.00
TTC23L	9.39	chr5	5p13.2	40	92.79
Hs.545712	9.39	chr9	N/A	3	46.68
GLB1L3	9.39	chr11	11q25	23	75.83
LRRC37A3	9.39	chr17	17q24.1	22	99.56
Hs.661672	9.39	chr10	N/A	8	71.76
Hs.125692	9.39	chr1	N/A	7	78.70
HECW1-IT1	9.39	chr7	7p14.1	4	74.66
LOC100509780	9.39	chr5	N/A	10	35.78
Hs.734907	9.39	chr5	N/A	1	0.00
Hs.662300	9.39	chr10	N/A	8	98.61
Hs.576825	9.39	chr10	N/A	3	106.11
Hs.739030	9.39	chr12	N/A	3	37.54
Hs.520328	9.39	chr6	N/A	3	21.81
Hs.96360	9.39	chr13	N/A	10	82.56
Hs.541486	9.39	chr2	N/A	3	22.33
Hs.71023	9.39	chr3	N/A	16	63.76
Hs.666815	9.39	chr11	N/A	7	45.80
Hs.537677	9.39	chr1	N/A	3	58.40
Hs.602709	9.39	chr11	N/A	1	0.00
Hs.70723	9.39	chr15	N/A	7	43.74
Hs.577666	9.39	chr12	N/A	3	46.94
SUCNR1	9.38	chr3	3q25.1	29	159.22
Hs.652700	9.38	chr5	N/A	3	7.94
Hs.195326	9.38	chr18	N/A	1	0.00
Hs.576163	9.38	chr1	N/A	3	36.27
ATOH7	9.38	chr10	10q21.3-q22.1	33	42.53
VWA3B	9.38	chr2	2q11.2	38	90.63
LOC100506422	9.38	chr9	9p21.2	3	48.83
Hs.551382	9.38	chr18	N/A	3	20.49
Hs.611396	9.38	chr1	N/A	10	96.58
ACTL9	9.38	chr19	19p13.2	19	41.42
Hs.566320	9.38	chr5	N/A	3	41.05
Hs.666135	9.38	chr17	N/A	7	44.93
Hs.679081	9.38	chr9	N/A	8	65.74
Hs.233235	9.38	chr2	N/A	3	33.96
SPATA41	9.38	chr15	15q26.3	14	46.51

Hs.720784	9.38	chr7	N/A	1	0.00
Hs.539467	9.38	chr12	N/A	3	54.14
HMX3	9.38	chr10	10q26.13	5	50.80
Hs.656649	9.38	chr1	N/A	7	58.77
Hs.116865	9.37	chr2	N/A	10	64.45
STH	9.37	chr17	17q21.1	21	65.96
Hs.578151	9.37	chr14	N/A	3	74.42
Hs.710763	9.37	chr14	N/A	4	67.20
WDR49	9.37	chr3	3q26.1	38	103.47
Hs.571150	9.37	chr6	N/A	3	31.02
Hs.581788	9.37	chr4	N/A	5	69.48
MIR17HG	9.37	chr13	13q31.3	33	40.61
Hs.538731	9.37	chr12	N/A	7	70.33
Hs.666386	9.37	chr3	N/A	7	38.72
Hs.738290	9.37	chr8	N/A	3	72.56
Hs.132481	9.37	chr13	N/A	10	50.59
SNRK-AS1	9.36	chr3	N/A	1	0.00
Hs.719427	9.36	chr8	N/A	10	131.90
CLCA4	9.36	chr1	1p31-p22	21	67.64
Hs.650427	9.36	chr1	N/A	3	6.92
Hs.545546	9.36	chr8	N/A	5	24.58
C2orf78	9.36	chr2	2p13.1	16	106.53
Hs.575129	9.36	chr4	N/A	7	67.16
MKNK1-AS1	9.36	chr1	1p33	8	76.44
Hs.594057	9.36	chr18	N/A	7	40.85
Hs.566766	9.36	chr7	N/A	3	6.10
Hs.125928	9.36	chr16	N/A	17	145.49
Hs.444197	9.36	chr3	N/A	22	67.90
Hs.129169	9.36	chr17	N/A	11	55.48
Hs.600946	9.36	chr3	N/A	7	47.37
Hs.540683	9.36	chr16	N/A	3	90.38
ADM5	9.36	chr19	19q13.33	18	46.49
Hs.444839	9.36	chr7	N/A	3	69.05
Hs.435972	9.36	chr7	N/A	1	0.00
Hs.711460	9.35	chr1	N/A	3	5.00
Hs.536733	9.35	chr7	N/A	10	77.91
Hs.568969	9.35	chr11	N/A	3	78.17
Hs.559734	9.35	chr1	N/A	21	64.44
ANLN	9.35	chr7	7p15-p14	34	74.75
MMP3	9.35	chr11	11q22.3	23	87.55
Hs.560316	9.34	chr14	N/A	3	52.40
Hs.568866	9.34	chr10	N/A	3	85.19
Hs.629394	9.34	chrX	N/A	3	60.96
Hs.732015	9.34	chr9	N/A	7	114.75
Hs.729489	9.34	chr7	N/A	22	61.00
Hs.658209	9.34	chr2	N/A	4	137.10
ATP13A4	9.34	chr3	3q29	41	132.07
Hs.540136	9.34	chr15	N/A	3	83.43
Hs.666553	9.34	chr6	N/A	5	99.59
Hs.545426	9.34	chr8	N/A	3	35.63
Hs.149771	9.34	chr11	N/A	5	109.62
TTC29	9.34	chr4	4q31.22	19	167.16
Hs.563087	9.34	chr2	N/A	3	114.58
Hs.640993	9.34	chr5	N/A	3	51.18
VWA8-AS1	9.34	chr13	N/A	7	60.99
Hs.93235	9.34	chr6	N/A	8	46.43
Hs.537864	9.34	chr1	N/A	5	44.54
OR4A47	9.34	chr11	11p11.2	6	51.89
Hs.559777	9.34	chr1	N/A	10	114.35
Hs.680104	9.34	chr12	N/A	1	0.00
Hs.254475	9.34	chr1	N/A	3	40.57
Hs.724048	9.34	chr7	N/A	2	82.21
LUZP4	9.34	chrX	Xq23	21	78.61
Hs.566195	9.34	chr4	N/A	3	50.58
Hs.597687	9.34	chr17	N/A	7	57.62
CXorf64	9.34	chrX	Xq25	11	103.56

Hs.538107	9.34	chr1	N/A	3	27.37
LOC554207	9.33	chr14	14q11.2	21	116.57
Hs.577198	9.33	chr11	N/A	7	37.29
MIR155HG	9.33	chr21	N/A	25	77.40
Hs.573122	9.33	chr4	N/A	5	63.84
Hs.661337	9.33	chr8	N/A	7	72.12
Hs.409078	9.33	chr11	N/A	2	60.76
Hs.122956	9.33	chr15	N/A	3	36.42
Hs.581199	9.33	chr3	N/A	3	102.90
Hs.98418	9.33	chr6	N/A	11	76.81
Hs.661398	9.33	chr11	N/A	5	36.83
Hs.640305	9.33	chr10	N/A	3	16.98
OR52E5	9.33	chr11	11p15.4	3	16.73
KCTD14	9.33	chr11	11q14.1	26	64.38
LOC100505735	9.33	chr20	N/A	4	40.19
Hs.656150	9.33	chr2	N/A	1	0.00
Hs.539076	9.33	chr11	N/A	3	54.53
Hs.550430	9.33	chr20	N/A	3	37.62
Hs.563380	9.33	chr6	N/A	3	49.81
SLC44A5	9.33	chr1	1p31.1	44	48.90
Hs.543273	9.33	chr3	N/A	3	62.37
Hs.687301	9.32	chr17	N/A	2	14.48
Hs.657156	9.32	chrX	N/A	7	138.56
Hs.565926	9.32	chr3	N/A	3	57.15
LOC554223	9.32	chr6	6p21.3	9	63.70
LOC728690	9.32	chr1	1p36.33	11	69.15
Hs.544201	9.32	chr5	N/A	3	66.10
Hs.186544	9.32	chr1	N/A	3	35.35
FLJ46066	9.32	chr3	3q26.33	3	47.26
Hs.662397	9.32	chr1	N/A	7	37.13
LOC643327	9.32	chr6	6p25.2	3	92.27
Hs.565982	9.32	chr3	N/A	3	42.58
Hs.435510	9.32	chr11	N/A	7	73.97
Hs.121449	9.32	chr11	N/A	1	0.00
Hs.658839	9.32	chr14	N/A	10	71.05
Hs.561018	9.31	chr21	N/A	3	37.73
GFI1	9.31	chr1	1p22	30	70.52
Hs.659570	9.31	chr6	N/A	8	51.07
Hs.563139	9.31	chr3	N/A	3	83.08
RFPL1S	9.31	chr22	22q12	28	90.75
Hs.561205	9.31	chr3	N/A	3	24.73
YIPF7	9.31	chr4	4p12	15	43.12
LOC100422737	9.31	chr6	N/A	42	140.37
Hs.444159	9.31	chr11	N/A	7	111.64
C17orf98	9.31	chr17	17q12	3	79.10
Hs.595280	9.31	chr14	N/A	1	0.00
NBPF10	9.31	chr1	1q21.1	17	40.02
Hs.543960	9.31	chr5	N/A	3	75.24
Hs.553409	9.31	chr2	N/A	3	42.42
Hs.280482	9.31	chr13	N/A	3	89.59
Hs.97631	9.31	chr6	N/A	7	36.25
LOC283710	9.31	chr15	15q13.3	3	79.87
Hs.547457	9.31	chr15	N/A	3	49.44
Hs.664196	9.31	chr8	N/A	2	60.25
Hs.662664	9.31	chr5	N/A	6	44.77
Hs.659811	9.31	chr1	N/A	7	40.28
Hs.738349	9.31	chr5	N/A	3	27.97
SNORD73A	9.30	chr4	4q31.3	3	44.54
ALLC	9.30	chr2	2q35	34	75.36
Hs.655807	9.30	chr1	N/A	7	57.96
Hs.665724	9.30	chr12	N/A	1	0.00
Hs.649138	9.30	chr16	N/A	7	66.85
DSG4	9.30	chr18	18q12.1	17	52.19
Hs.537770	9.30	chr1	N/A	3	57.90
Hs.656218	9.30	chr12	N/A	8	73.52
Hs.562022	9.30	chrX	N/A	7	86.54

Hs.733979	9.30	chr14	N/A	8	34.58
Hs.130960	9.30	chr11	N/A	7	52.50
MAGEB3	9.30	chrX	Xp21.3	30	114.36
Hs.664373	9.30	chr12	N/A	7	52.35
Hs.308480	9.30	chr8	N/A	18	154.09
Hs.148243	9.30	chr4	N/A	2	56.03
Hs.602787	9.30	chr1	N/A	2	122.27
LOC100507173	9.29	chr6	N/A	15	78.74
Hs.666455	9.29	chr15	N/A	2	11.45
TP73	9.29	chr1	1p36.3	57	76.80
ATAD5	9.29	chr17	17q11.2	61	99.16
Hs.147655	9.29	chr15	N/A	3	70.41
PCDH11Y	9.29	chrY	Yp11.2	59	126.99
Hs.143235	9.29	chr1	N/A	6	32.83
Hs.112482	9.29	chr11	N/A	14	101.57
Hs.513875	9.29	chr17	N/A	2	58.77
XAGE1D	9.29	chrX	Xp11.22	19	115.40
Hs.147073	9.29	chr1	N/A	3	44.48
Hs.732665	9.29	chr15	N/A	7	47.74
Hs.737480	9.29	chr6	N/A	3	42.17
Hs.653191	9.29	chr15	N/A	7	51.42
PRSS50	9.29	chr3	3p21.31	27	95.73
Hs.573797	9.29	chr1	N/A	3	36.79
Hs.661278	9.29	chr2	N/A	8	144.84
Hs.578431	9.28	chr15	N/A	3	47.26
Hs.150477	9.28	chr8	N/A	2	17.95
Hs.664792	9.28	chr5	N/A	8	77.29
Hs.182635	9.28	chr4	N/A	7	51.56
LOC100506178	9.28	chr7	N/A	2	2.84
Hs.667247	9.28	chr3	N/A	1	0.00
HS3ST6	9.28	chr16	16p13.3	6	52.84
Hs.543614	9.28	chr4	N/A	3	52.35
Hs.542472	9.28	chr20	N/A	3	78.40
Hs.544129	9.28	chr5	N/A	3	24.04
Hs.667454	9.28	chr11	N/A	3	15.42
LOC100506011	9.28	chr1	N/A	18	98.05
NYAP2	9.28	chr2	2q36.3	28	68.36
Hs.196026	9.28	chr1	N/A	7	64.70
Hs.98037	9.28	chr12	N/A	1	0.00
Hs.659052	9.28	chr15	N/A	10	56.46
Hs.656906	9.28	chr1	N/A	7	66.96
Hs.29235	9.28	chr11	N/A	18	59.46
Hs.537595	9.28	chr1	N/A	3	74.77
OR4K15	9.28	chr14	14q11.2	9	99.11
Hs.128163	9.28	chr6	N/A	10	76.94
Hs.565430	9.28	chr2	N/A	3	24.10
Hs.656018	9.28	chr4	N/A	7	45.71
LINC00242	9.28	chr6	6q27	7	72.88
Hs.577761	9.28	chr12	N/A	3	46.95
Hs.708477	9.27	chrX	N/A	8	30.51
Hs.605925	9.27	chr12	N/A	1	0.00
Hs.132414	9.27	chr8	N/A	2	22.63
Hs.601250	9.27	chr3	N/A	7	44.98
Hs.658263	9.27	chr18	N/A	7	61.98
GCK	9.27	chr7	7p15.3-p15.1	29	48.01
Hs.576760	9.27	chr10	N/A	3	52.20
Hs.554346	9.27	chr9	N/A	13	52.32
LOC286149	9.27	chr8	8q22.1	13	209.57
KIF12	9.27	chr9	9q32	28	113.18
OR6C6	9.27	chr12	12q13.2	3	44.38
Hs.150167	9.27	chr22	N/A	5	41.87
Hs.661822	9.27	chr6	N/A	1	0.00
Hs.666737	9.27	chr11	N/A	3	84.09
Hs.112825	9.26	chr4	N/A	3	59.00
Hs.579252	9.26	chr17	N/A	3	60.81
Hs.576940	9.26	chr11	N/A	3	45.78

Hs.6795	9.26	chrX	N/A	14	33.29
Hs.604697	9.26	chr1	N/A	11	128.58
Hs.541040	9.26	chr18	N/A	5	65.87
Hs.659641	9.26	chr1	N/A	3	85.38
Hs.544724	9.26	chr6	N/A	3	43.54
Hs.368857	9.26	chr3	N/A	7	89.47
Hs.579364	9.26	chr18	N/A	3	41.29
Hs.543393	9.26	chr4	N/A	3	51.48
CAGE1	9.26	chr6	6p24.3	29	144.66
Hs.128426	9.26	chr17	N/A	10	64.96
Hs.599235	9.26	chr8	N/A	1	0.00
Hs.594131	9.26	chr10	N/A	7	66.59
Hs.725773	9.26	chr10	N/A	7	48.09
Hs.636231	9.26	chr7	N/A	2	51.31
Hs.249352	9.26	chr12	N/A	3	36.44
Hs.660275	9.26	chr10	N/A	1	0.00
Hs.634999	9.26	chr10	N/A	3	75.05
PGK2	9.26	chr6	6p12.3	24	117.89
FDCSP	9.25	chr4	4q13	14	35.33
Hs.656364	9.25	chr8	N/A	8	84.93
Hs.569654	9.25	chr16	N/A	1	0.00
ERVFRD-1	9.25	chr6	6p24.1	23	81.75
Hs.599562	9.25	chr8	N/A	7	83.70
OR2T5	9.25	chr1	1q44	13	68.19
ESCO2	9.25	chr8	8p21.1	44	87.30
Hs.650839	9.25	chr14	N/A	4	53.04
Hs.656254	9.25	chr22	N/A	7	55.47
Hs.292074	9.25	chr17	N/A	3	54.17
Hs.535917	9.25	chr8	N/A	8	58.82
Hs.741821	9.25	chr1	N/A	2	64.60
Hs.542156	9.25	chr2	N/A	10	76.12
Hs.666052	9.25	chr5	N/A	2	19.07
Hs.259350	9.25	chr20	N/A	3	22.67
Hs.658294	9.25	chr6	N/A	8	39.76
Hs.602645	9.25	chr17	N/A	8	58.78
Hs.545416	9.25	chr8	N/A	3	52.93
Hs.601588	9.25	chr5	N/A	7	57.54
SOCS2-AS1	9.24	chr12	12q22	1	0.00
Hs.668251	9.24	chr2	N/A	9	120.57
Hs.676556	9.24	chr4	N/A	11	82.52
Hs.738705	9.24	chr20	N/A	13	27.46
C5orf34	9.24	chr5	5p12	20	75.58
LOC100505797	9.24	chr18	N/A	8	51.86
HIST4H4	9.24	chr12	12p12.3	21	44.10
LOC400682	9.24	chr19	19p12	6	27.91
RIMS2	9.24	chr8	8q22.3	65	101.20
Hs.563889	9.24	chr1	N/A	3	44.49
Hs.744394	9.24	chr9	N/A	8	58.65
Hs.667963	9.24	chr8	N/A	7	30.32
Hs.600230	9.24	chr5	N/A	3	56.11
Hs.659468	9.24	chr10	N/A	2	31.56
Hs.390766	9.24	chr2	N/A	3	24.74
Hs.148310	9.24	chr2	N/A	3	97.75
Hs.172119	9.24	chr4	N/A	8	74.75
Hs.528615	9.24	chr1	N/A	2	32.89
Hs.543819	9.24	chr5	N/A	3	38.31
Hs.538589	9.24	chr10	N/A	3	60.20
Hs.660695	9.23	chr16	N/A	3	84.98
Hs.576707	9.23	chr10	N/A	3	57.69
Hs.565325	9.23	chr2	N/A	3	59.43
RFPL3S	9.23	chr22	22q12.3	30	73.89
Hs.696420	9.23	chr7	N/A	1	0.00
LOC100130264	9.23	chr20	20p11.23	14	86.44
Hs.576237	9.23	chr1	N/A	3	34.53
Hs.720031	9.23	chrX	N/A	7	49.12
Hs.581434	9.23	chr3	N/A	3	31.37

MEG9	9.23	chr14	N/A	4	4.36
IL24	9.23	chr1	1q32	41	48.98
Hs.542971	9.23	chr3	N/A	3	9.28
Hs.208447	9.23	chr1	N/A	13	30.78
Hs.436721	9.23	chr1	N/A	1	0.00
Hs.659837	9.23	chr12	N/A	7	61.82
Hs.617336	9.23	chr9	N/A	13	85.28
UPP2	9.23	chr2	2q24.1	41	92.93
Hs.733169	9.23	chr12	N/A	1	0.00
Hs.543654	9.23	chr4	N/A	3	36.43
Hs.661154	9.23	chr15	N/A	9	66.75
Hs.541476	9.23	chr2	N/A	3	56.03
TLR9	9.23	chr3	3p21.3	17	53.80
FABP12	9.23	chr8	8q21.13	2	59.42
Hs.133889	9.22	chr9	N/A	10	63.49
Hs.557682	9.22	chr14	N/A	1	0.00
Hs.126658	9.22	chr1	N/A	8	49.24
Hs.655800	9.22	chr3	N/A	17	51.50
Hs.554382	9.22	chr1	N/A	3	37.26
Hs.571081	9.22	chr6	N/A	4	71.85
FGF20	9.22	chr8	8p22	31	88.57
Hs.648477	9.22	chr22	N/A	3	33.35
Hs.555568	9.22	chr2	N/A	3	52.22
Hs.599735	9.22	chr17	N/A	7	78.74
Hs.542565	9.22	chr21	N/A	3	73.14
Hs.538101	9.22	chr1	N/A	3	37.07
Hs.539789	9.22	chr13	N/A	3	32.59
LOC286177	9.22	chr8	8q12.1	4	56.17
Hs.582249	9.22	chr5	N/A	3	87.93
Hs.641745	9.22	chr11	N/A	3	22.94
Hs.734265	9.22	chr6	N/A	2	24.93
Hs.105944	9.21	chr7	N/A	8	78.63
Hs.668044	9.21	chr4	N/A	7	72.57
Hs.560560	9.21	chr17	N/A	3	76.68
Hs.538480	9.21	chr10	N/A	3	104.31
Hs.675465	9.21	chr2	N/A	1	0.00
Hs.634501	9.21	chr7	N/A	18	145.69
ZFHx4-AS1	9.21	chr8	8q21.11	12	32.21
Hs.536955	9.21	chr8	N/A	1	0.00
Hs.665036	9.21	chr6	N/A	1	0.00
ZNF645	9.21	chrX	Xp22.11	34	56.88
Hs.660005	9.21	chr1	N/A	7	120.42
Hs.519466	9.21	chr5	N/A	10	55.13
Hs.147575	9.21	chr3	N/A	3	48.75
Hs.669066	9.21	chr11	N/A	1	0.00
Hs.702262	9.21	chr5	N/A	7	88.75
Hs.634125	9.21	chrX	N/A	3	67.93
Hs.586527	9.21	chr1	N/A	3	25.94
ADAM32	9.21	chr8	8p11.22	29	106.95
LOC100505504	9.21	chr11	N/A	7	63.51
Hs.160602	9.21	chr7	N/A	4	49.98
Hs.733304	9.21	chr7	N/A	2	46.58
ZNF788	9.20	chr19	19p13.2	18	83.82
Hs.668180	9.20	chr6	N/A	2	51.18
LOC100288181	9.20	chr8	8q24.3	17	45.45
Hs.651434	9.20	chr6	N/A	1	0.00
Hs.582948	9.20	chr6	N/A	3	22.58
Hs.659964	9.20	chr10	N/A	7	49.43
SEPT14	9.20	chr7	7p11.2	19	56.52
PABPC5	9.20	chrX	Xq21.3	30	51.01
Hs.568669	9.20	chr1	N/A	3	44.25
Hs.545047	9.20	chr7	N/A	3	12.61
FAM71A	9.19	chr1	1q32.3	28	75.88
Hs.565993	9.19	chr3	N/A	3	53.24
WDR78	9.19	chr1	1p31.3	55	68.72
Hs.207074	9.19	chr9	N/A	12	40.70

Hs.291166	9.19	chr4	N/A	3	17.10
Hs.538498	9.19	chr10	N/A	3	87.66
Hs.154827	9.19	chr7	N/A	2	6.21
Hs.223225	9.19	chr1	N/A	3	19.59
LINC00616	9.19	chr4	4q28.3	3	96.11
Hs.597735	9.19	chr12	N/A	21	51.46
Hs.667556	9.19	chr1	N/A	3	38.01
CYP4F3	9.19	chr19	19p13.2	45	79.19
Hs.658906	9.19	chr2	N/A	11	232.11
Hs.541437	9.19	chr2	N/A	3	27.52
Hs.661729	9.19	chr11	N/A	1	0.00
Hs.543744	9.18	chr4	N/A	3	18.64
CEACAM16	9.18	chr19	19q13.32	5	57.80
Hs.61257	9.18	chr18	N/A	3	51.27
Hs.656415	9.18	chr8	N/A	7	23.88
ZBBX	9.18	chr3	3q26.1	28	104.56
Hs.543552	9.18	chr4	N/A	3	24.61
Hs.700945	9.18	chr8	N/A	7	68.51
Hs.312228	9.18	chr7	N/A	1	0.00
Hs.570192	9.18	chr2	N/A	3	58.64
Hs.687396	9.18	chr8	N/A	24	41.51
ABCC12	9.18	chr16	16q12.1	24	91.54
Hs.721551	9.18	chr1	N/A	8	12.32
Hs.675488	9.18	chr5	N/A	12	78.13
Hs.127678	9.18	chr8	N/A	10	30.19
Hs.664464	9.17	chr13	N/A	7	124.69
Hs.471525	9.17	chr2	N/A	3	32.52
IGKV1D-8	9.17	chr2	2p12	15	62.58
STX1B	9.17	chr16	16p11.2	31	149.41
Hs.444671	9.17	chr12	N/A	7	38.22
Hs.211814	9.17	chr10	N/A	3	18.13
Hs.663912	9.17	chr6	N/A	7	71.06
Hs.603522	9.17	chrY	N/A	7	68.73
Hs.125424	9.17	chr7	N/A	5	54.82
LOC100505729	9.17	chr3	N/A	13	73.94
Hs.542913	9.17	chr3	N/A	3	26.91
Hs.603082	9.17	chr1	N/A	7	76.57
PRR20A	9.17	chr13	13q21.1	15	58.12
Hs.538050	9.17	chr1	N/A	3	39.78
Hs.668521	9.17	chr2	N/A	1	0.00
Hs.732812	9.17	chr18	N/A	1	0.00
Hs.560569	9.17	chr17	N/A	3	76.17
KCNIP4	9.17	chr4	4p15.32	57	82.79
LOC100505540	9.17	chr10	N/A	30	82.32
Hs.594996	9.16	chrX	N/A	10	190.39
Hs.675467	9.16	chr2	N/A	11	123.25
Hs.633645	9.16	chr17	N/A	5	33.77
PNLIPRP3	9.16	chr10	10q25.3	9	102.90
LINC00299	9.16	chr2	2p25.1	1	0.00
FLJ45964	9.16	chr2	2q37.3	3	35.45
Hs.434661	9.16	chr6	N/A	1	0.00
OR4F21	9.16	chr8	8p23.3	6	52.38
Hs.662780	9.16	chr20	N/A	15	33.86
LOC100507646	9.16	chr19	19q13.2	2	33.49
CCDC116	9.16	chr22	22q11.21	22	159.00
Hs.550210	9.16	chr8	N/A	3	80.63
Hs.550850	9.16	chr11	N/A	1	0.00
Hs.158851	9.16	chr17	N/A	1	0.00
Hs.119933	9.16	chr9	N/A	10	49.34
Hs.122193	9.16	chr2	N/A	7	42.70
Hs.666246	9.16	chr11	N/A	1	0.00
Hs.666264	9.16	chr12	N/A	14	51.26
Hs.538616	9.16	chr10	N/A	3	25.20
Hs.541826	9.16	chr2	N/A	3	58.62
Hs.674611	9.16	chr17	N/A	1	0.00
Hs.661495	9.15	chr14	N/A	7	47.70

Hs.657047	9.15	chr1	N/A	2	89.20
Hs.660641	9.15	chr2	N/A	1	0.00
Hs.598400	9.15	chr12	N/A	7	65.85
PKD2L2	9.15	chr5	5q31	42	66.95
Hs.659574	9.15	chr6	N/A	6	86.55
Hs.668449	9.15	chr15	N/A	7	85.56
Hs.580960	9.15	chr22	N/A	3	53.00
Hs.664155	9.15	chr11	N/A	8	60.12
Hs.396491	9.15	chr10	N/A	3	54.04
Hs.413494	9.15	chr5	N/A	8	78.14
Hs.130553	9.15	chr7	N/A	14	66.52
Hs.732369	9.15	chr1	N/A	22	83.52
Hs.550808	9.15	chr1	N/A	11	70.89
LINC00462	9.15	chr13	13q14.2	1	0.00
Hs.545035	9.15	chr7	N/A	3	56.95
Hs.325020	9.15	chr3	N/A	10	93.84
Hs.656230	9.15	chr17	N/A	7	43.31
Hs.715702	9.14	chr19	N/A	1	0.00
B4GALT6	9.14	chr18	18q11	46	121.56
Hs.742236	9.14	chr4	N/A	3	43.91
Hs.596280	9.14	chr20	N/A	3	43.54
Hs.148567	9.14	chr14	N/A	5	78.91
Hs.659589	9.14	chr6	N/A	7	109.21
Hs.537174	9.14	chr12	N/A	7	36.89
Hs.603570	9.14	chr19	N/A	2	24.09
Hs.543519	9.14	chr4	N/A	3	29.48
Hs.652417	9.14	chrX	N/A	3	36.20
Hs.545728	9.14	chr9	N/A	3	78.86
Hs.669007	9.14	chr2	N/A	1	0.00
Hs.104774	9.14	chr6	N/A	7	61.77
Hs.657692	9.14	chr5	N/A	14	55.43
Hs.542132	9.14	chr2	N/A	3	44.81
GPR88	9.14	chr1	1p21.3	28	75.71
Hs.582691	9.14	chr6	N/A	3	82.06
Hs.570100	9.14	chr2	N/A	3	40.42
Hs.587283	9.14	chr4	N/A	20	39.33
Hs.677228	9.13	chr12	N/A	11	78.58
Hs.404057	9.13	chr20	N/A	3	22.34
GKN1	9.13	chr2	2p13.3	28	52.51
Hs.540354	9.13	chr15	N/A	10	82.99
Hs.518008	9.13	chr3	N/A	3	19.18
Hs.301858	9.13	chr1	N/A	2	50.55
BHLHA15	9.13	chr7	7q21.3	13	31.89
FANCA	9.13	chr16	16q24.3	133	140.97
SGK196	9.13	chr8	8p11.21	17	68.92
TRBV7-8	9.13	chr7	7q34	1	0.00
LOC100271832	9.13	chr2	2p22.3	1	0.00
Hs.516784	9.13	chr2	N/A	3	45.86
TEX36	9.13	chr10	10q26.13	17	67.61
Hs.128285	9.13	chr2	N/A	3	31.93
DRD1	9.13	chr5	5q35.1	23	60.29
SERHL	9.13	chr22	22q13.2-q13.31	30	83.99
Hs.687635	9.13	chr7	N/A	3	53.90
Hs.634621	9.12	chr5	N/A	8	76.44
FLJ40194	9.12	chr17	17q21.32	31	73.10
Hs.666554	9.12	chr5	N/A	3	44.26
OPRD1	9.12	chr1	1p36.1-p34.3	23	60.13
AKAP14	9.12	chrX	Xq24	39	67.18
Hs.551363	9.12	chr16	N/A	3	17.22
Hs.714521	9.12	chr10	N/A	1	0.00
Hs.561362	9.12	chr5	N/A	3	65.10
NAALADL2-AS3	9.12	chr3	3q26.3	6	69.83
Hs.656359	9.12	chr2	N/A	7	109.07
KRTAP20-2	9.12	chr21	21q22.1	8	72.82
Hs.741499	9.12	chr3	N/A	13	82.99
TPD52L3	9.12	chr9	9p24.1	48	123.07

Hs.545836	9.12	chr9	N/A	3	93.12
Hs.538219	9.12	chr1	N/A	3	34.13
Hs.656061	9.12	chr10	N/A	7	40.88
LOC643496	9.12	chr2	2q24.3	3	36.56
Hs.578886	9.12	chr16	N/A	3	63.35
C17orf67	9.12	chr17	17q22	29	59.70
Hs.566975	9.12	chr9	N/A	5	48.77
Hs.664826	9.12	chr10	N/A	7	78.98
Hs.12473	9.11	chr1	N/A	27	107.51
Hs.678735	9.11	chr15	N/A	1	0.00
Hs.635465	9.11	chr17	N/A	3	36.34
PDC	9.11	chr1	1q25.2	29	84.88
CLDN2	9.11	chrX	Xq22.3-q23	24	83.83
Hs.580308	9.11	chr2	N/A	3	46.52
Hs.146557	9.11	chr11	N/A	5	104.11
Hs.539694	9.11	chr13	N/A	3	36.26
Hs.126919	9.11	chr3	N/A	1	0.00
Hs.659844	9.11	chr16	N/A	7	58.54
Hs.568766	9.11	chr10	N/A	10	81.90
LDLRAD1	9.11	chr1	1p32.3	13	143.56
FLJ38668	9.11	chr2	2q12.3	13	71.30
Hs.374216	9.11	chr4	N/A	7	40.97
Hs.673278	9.11	chr6	N/A	1	0.00
NKPD1	9.11	chr19	19q13.32	29	60.02
ZNF831	9.11	chr20	20q13.32	19	106.08
Hs.594812	9.10	chr6	N/A	21	57.64
Hs.563215	9.10	chr4	N/A	3	100.57
APOC3	9.10	chr11	11q23.3	24	171.43
MCF2L2	9.10	chr3	3q27.1	43	103.29
Hs.117320	9.10	chr4	N/A	7	108.25
Hs.25088	9.10	chr6	N/A	7	75.02
Hs.135043	9.10	chr2	N/A	10	81.73
LOC284294	9.10	chr18	18q22.1	1	0.00
Hs.129583	9.10	chr21	N/A	4	16.54
ODF3	9.10	chr11	11p15.5	24	61.09
Hs.659260	9.10	chr9	N/A	8	54.51
Hs.569304	9.10	chr13	N/A	3	29.97
KCNE2	9.10	chr21	21q22.12	21	59.94
Hs.148647	9.10	chr4	N/A	10	95.43
Hs.655948	9.10	chr10	N/A	2	61.43
Hs.576164	9.10	chr1	N/A	3	27.25
Hs.570209	9.10	chr2	N/A	3	55.63
Hs.574351	9.10	chr16	N/A	3	48.98
GRIK1-AS1	9.09	chr21	21q22.11	8	54.08
Hs.570365	9.09	chr20	N/A	14	127.16
Hs.667558	9.09	chr1	N/A	1	0.00
Hs.634497	9.09	chr17	N/A	10	85.84
C16orf54	9.09	chr16	16p11.2	20	81.95
Hs.540716	9.09	chr17	N/A	3	14.12
C2orf82	9.09	chr2	2q37.1	15	43.27
Hs.580346	9.09	chr2	N/A	3	58.65
LOC100132686	9.09	chr11	11q23.1	1	0.00
FAM71D	9.09	chr14	14q23.3	34	276.90
Hs.537663	9.09	chr1	N/A	3	51.21
Hs.232413	9.09	chr17	N/A	3	47.99
Hs.609856	9.09	chr7	N/A	3	26.20
Hs.512309	9.09	chr17	N/A	9	90.38
CHDC2	9.09	chrX	Xp21.1	17	61.70
Hs.541645	9.09	chr2	N/A	3	97.02
Hs.125444	9.09	chr4	N/A	10	65.37
Hs.677079	9.09	chr9	N/A	5	90.34
PKDREJ	9.09	chr22	22q13.31	21	88.02
Hs.537828	9.09	chr1	N/A	3	20.19
Hs.665354	9.09	chr11	N/A	8	51.57
Hs.528174	9.09	chr2	N/A	3	66.30
Hs.635296	9.09	chr1	N/A	8	52.79

Hs.543447	9.09	chr4	N/A	3	31.97
IBSP	9.08	chr4	4q21.1	31	103.47
PTPRG-AS1	9.08	chr3	N/A	8	42.89
Hs.541633	9.08	chr2	N/A	3	62.98
Hs.144655	9.08	chr12	N/A	2	11.77
Hs.669084	9.08	chr10	N/A	2	94.97
SERPINB12	9.08	chr18	N/A	23	98.32
Hs.665415	9.08	chr9	N/A	1	0.00
Hs.308183	9.08	chr6	N/A	3	38.21
Hs.666633	9.08	chr11	N/A	8	50.97
Hs.579266	9.08	chr17	N/A	20	140.27
Hs.527361	9.08	chr7	N/A	3	45.21
DCHS2	9.08	chr4	4q31.3	42	139.48
Hs.661003	9.08	chr13	N/A	14	54.04
Hs.738132	9.08	chr2	N/A	3	82.62
Hs.596633	9.08	chr10	N/A	7	109.26
Hs.709479	9.08	chr19	N/A	8	66.56
Hs.566865	9.07	chr8	N/A	3	54.44
Hs.652250	9.07	chr11	N/A	7	62.01
CLEC18B	9.07	chr16	16q22.3	23	66.24
TEX28	9.07	chrX	Xq28	20	91.16
Hs.683825	9.07	chr2	N/A	10	28.65
Hs.376338	9.07	chr3	N/A	4	19.17
Hs.559488	9.07	chr7	N/A	18	75.59
Hs.665341	9.07	chr10	N/A	7	47.77
Hs.23187	9.07	chr7	N/A	10	84.24
Hs.128924	9.07	chr1	N/A	2	55.52
Hs.523155	9.07	chr10	N/A	3	74.12
Hs.566467	9.07	chr6	N/A	3	14.96
GDAP1L1	9.07	chr20	20q12	21	48.84
HIST2H3C	9.07	chr1	1q21.2	6	46.74
Hs.551793	9.07	chr7	N/A	20	97.11
TTL2	9.07	chr6	6q27	27	137.83
Hs.603590	9.07	chr7	N/A	3	29.91
Hs.657050	9.07	chr15	N/A	6	57.87
C11orf40	9.07	chr11	11p15.5	17	58.66
Hs.574075	9.06	chr12	N/A	3	64.52
Hs.671557	9.06	chr7	N/A	15	38.24
Hs.543734	9.06	chr4	N/A	2	24.06
Hs.677414	9.06	chr6	N/A	5	60.03
Hs.670023	9.06	chr4	N/A	5	89.14
Hs.733848	9.06	chr21	N/A	7	58.65
DTHD1	9.06	chr4	4p14	8	70.07
Hs.576908	9.06	chr10	N/A	3	52.75
TMEM221	9.06	chr19	19p13.11	7	71.82
Hs.400431	9.06	chr12	N/A	7	62.01
LOC100506377	9.06	chr3	N/A	4	81.93
Hs.387224	9.06	chr2	N/A	3	76.05
Hs.130079	9.06	chr13	N/A	5	76.67
Hs.721783	9.06	chr4	N/A	3	86.61
Hs.20255	9.06	chr2	N/A	7	89.20
Hs.627705	9.06	chr10	N/A	3	43.15
Hs.434752	9.06	chr15	N/A	1	0.00
Hs.663709	9.05	chr3	N/A	14	71.30
Hs.630981	9.05	chr10	N/A	3	34.24
Hs.569387	9.05	chr14	N/A	12	37.12
LY86-AS1	9.05	chr6	6p25.1	36	106.68
Hs.539332	9.05	chr12	N/A	3	83.36
CEP128	9.05	chr14	14q31.1	46	73.31
Hs.656675	9.05	chr5	N/A	27	126.19
Hs.580033	9.05	chr2	N/A	3	38.07
Hs.335553	9.05	chr19	N/A	1	0.00
Hs.291680	9.05	chr2	N/A	3	37.23
Hs.566458	9.05	chr6	N/A	1	0.00
KPRP	9.05	chr1	1q21.3	19	95.72
FOXR1	9.05	chr11	11q23.3	28	94.03

Hs.545507	9.05	chr8	N/A	3	24.06
Hs.667077	9.05	chr6	N/A	7	69.60
CXCL13	9.04	chr4	4q21	30	72.10
Hs.655745	9.04	chr3	N/A	7	38.50
Hs.434946	9.04	chr1	N/A	3	13.75
CD101	9.04	chr1	1p13	23	104.32
LOC100506107	9.04	chr4	4q32-q34	4	79.77
Hs.146520	9.04	chr15	N/A	15	59.60
Hs.597702	9.04	chr2	N/A	1	0.00
Hs.481552	9.04	chr5	N/A	3	22.84
Hs.126964	9.04	chr15	N/A	10	52.87
Hs.545248	9.04	chr8	N/A	3	39.45
Hs.655791	9.04	chr11	N/A	2	10.14
Hs.578700	9.04	chr16	N/A	3	39.70
Hs.545329	9.04	chr8	N/A	2	34.98
OTC	9.04	chrX	Xp21.1	32	95.69
ATP6V0A4	9.04	chr7	7q34	37	56.36
Hs.662084	9.04	chr8	N/A	1	0.00
Hs.365090	9.04	chr13	N/A	3	87.29
Hs.656523	9.04	chr20	N/A	2	12.58
Hs.600673	9.04	chr18	N/A	18	69.06
Hs.542821	9.04	chr3	N/A	3	59.39
Hs.444221	9.04	chr16	N/A	3	34.74
SALL4	9.04	chr20	20q13.2	18	92.45
Hs.413434	9.04	chr2	N/A	2	52.82
Hs.656386	9.03	chr1	N/A	8	90.09
Hs.148256	9.03	chr6	N/A	3	39.62
Hs.42279	9.03	chr10	N/A	10	90.54
CUX2	9.03	chr12	12q24.12	45	93.78
Hs.148179	9.03	chr8	N/A	6	47.70
Hs.543090	9.03	chr3	N/A	3	57.41
Hs.550166	9.03	chr2	N/A	3	59.65
Hs.545585	9.03	chr9	N/A	3	39.23
CEBPA-AS1	9.03	chr19	19q13.11	16	113.95
UTS2	9.03	chr1	1p36	55	91.36
Hs.564521	9.03	chr13	N/A	3	76.48
Hs.145686	9.03	chr17	N/A	7	46.88
Hs.659665	9.03	chr1	N/A	27	94.70
ELOVL2-AS1	9.03	chr6	N/A	28	209.95
Hs.564520	9.02	chr13	N/A	3	67.70
Hs.656570	9.02	chr5	N/A	7	70.73
CLDN10-AS1	9.02	chr13	N/A	4	66.11
Hs.402453	9.02	chr6	N/A	3	39.18
Hs.124011	9.02	chr7	N/A	1	0.00
Hs.664140	9.02	chr1	N/A	7	46.69
Hs.130901	9.02	chr7	N/A	17	66.67
DUSP21	9.02	chrX	Xp11.4-p11.23	22	117.52
Hs.132578	9.02	chr6	N/A	6	69.65
LINC00410	9.02	chr13	13q31.3	1	0.00
Hs.160886	9.02	chr2	N/A	1	0.00
Hs.517319	9.02	chr21	N/A	1	0.00
DBH	9.02	chr9	9q34	23	48.36
LPPR3	9.02	chr19	19p13.3	27	78.18
Hs.667630	9.02	chr15	N/A	4	111.60
Hs.727809	9.02	chr14	N/A	7	46.19
Hs.667799	9.02	chr13	N/A	8	65.19
Hs.543422	9.02	chr4	N/A	3	43.79
Hs.570870	9.02	chr4	N/A	3	34.26
Hs.534870	9.02	chr11	N/A	8	55.69
Hs.677055	9.02	chr15	N/A	10	54.41
Hs.667659	9.02	chr10	N/A	2	7.88
CECR5-AS1	9.02	chr22	22q11.1	18	39.22
Hs.664010	9.01	chr2	N/A	7	54.45
Hs.546016	9.01	chrX	N/A	3	58.45
FAM111B	9.01	chr11	11q12.1	27	91.60
Hs.658456	9.01	chr2	N/A	1	0.00

OR4C16	9.01	chr11	11q11	3	84.74
Hs.582438	9.01	chrX	N/A	9	64.13
Hs.201719	9.01	chr12	N/A	3	22.90
Hs.577703	9.01	chr12	N/A	3	34.38
KRTAP5-3	9.01	chr11	11p15.5	3	76.00
Hs.369825	9.01	chr1	N/A	7	95.39
PMFBP1	9.01	chr16	16q22.2	22	38.36
Hs.608652	9.01	chr5	N/A	10	29.77
Hs.117961	9.01	chr15	N/A	3	53.87
MSH4	9.01	chr1	1p31	30	123.14
Hs.278111	9.01	chr10	N/A	3	56.37
Hs.551272	9.01	chr1	N/A	3	88.10
CXorf57	9.00	chrX	Xq22.3	43	126.94
Hs.544607	9.00	chr6	N/A	7	60.32
Hs.129385	9.00	chr4	N/A	10	70.21
MFSD2B	9.00	chr2	2p23.3	12	45.24
Hs.213122	9.00	chr1	N/A	3	25.45
Hs.573465	9.00	chr5	N/A	10	68.88
Hs.560581	9.00	chr18	N/A	3	39.73
PCDHA8	9.00	chr5	5q31	3	84.06
SPATA21	9.00	chr1	1p36.13	8	74.25
Hs.666396	9.00	chr3	N/A	10	29.23
LINC00857	9.00	chr10	10q22.3	11	103.42
ZAP70	9.00	chr2	2q12	135	102.21
Hs.662395	9.00	chr20	N/A	7	50.61
LOC100129831	9.00	chr19	19p13.3	10	104.90
Hs.128930	9.00	chr6	N/A	4	48.18
C1orf100	9.00	chr1	1q44	21	84.05
Hs.545273	9.00	chr8	N/A	3	44.15
Hs.658378	9.00	chr7	N/A	5	47.47
Hs.525963	9.00	chr1	N/A	7	60.11
Hs.576453	9.00	chr1	N/A	3	32.18
Hs.583592	9.00	chr8	N/A	3	88.60
Hs.553265	9.00	chr3	N/A	3	93.83
Hs.367827	9.00	chr8	N/A	21	104.48
Hs.564705	9.00	chr14	N/A	3	35.19
Hs.223619	9.00	chr10	N/A	3	61.92
Hs.519771	8.99	chr5	N/A	1	0.00
TTC6	8.99	chr14	14q21.1	19	76.52
Hs.580041	8.99	chr2	N/A	3	70.15
MSTN	8.99	chr2	2q32.2	23	192.45
SLC22A20	8.99	chr11	11q13.1	8	53.54
FAM154A	8.99	chr9	9p22.1	24	89.86
Hs.443890	8.99	chr17	N/A	8	23.47
Hs.532037	8.99	chr4	N/A	3	75.66
IL7	8.99	chr8	8q12-q13	35	97.35
Hs.657080	8.99	chr8	N/A	8	43.65
Hs.147085	8.99	chr10	N/A	6	60.43
Hs.577453	8.99	chr12	N/A	3	22.03
Hs.592668	8.99	chr21	N/A	7	41.84
Hs.540678	8.99	chr16	N/A	3	6.70
LOC100506885	8.99	chr6	N/A	11	39.24
LINC00841	8.99	chr10	10q11.21	4	69.32
CDH20	8.99	chr18	18q21.33	21	108.04
OR1L4	8.98	chr9	9q33.2	21	51.80
Hs.733338	8.98	chr2	N/A	7	85.23
Hs.657539	8.98	chr1	N/A	8	33.85
Hs.385793	8.98	chr2	N/A	1	0.00
Hs.38448	8.98	chrX	N/A	7	52.44
RFX6	8.98	chr6	6q22.1	22	98.79
Hs.550149	8.98	chr14	N/A	3	78.09
Hs.146803	8.98	chr2	N/A	5	36.30
Hs.664022	8.98	chr1	N/A	8	61.00
Hs.567870	8.98	chr2	N/A	2	16.11
SNORD18C	8.98	chr15	15q22	3	34.86
Hs.539858	8.98	chr14	N/A	3	29.28

LOC286114	8.98	chr8	8p21.3	1	0.00
LOC100505909	8.98	chr17	N/A	7	42.09
Hs.542848	8.98	chr3	N/A	3	90.01
Hs.194980	8.98	chr14	N/A	4	42.69
Hs.559121	8.98	chr1	N/A	13	53.86
Hs.656376	8.98	chr3	N/A	1	0.00
SLC4A9	8.98	chr5	5q31	22	89.70
FAM47A	8.98	chrX	Xp21.1	19	41.00
Hs.686516	8.98	chr10	N/A	1	0.00
Hs.55459	8.98	chr14	N/A	7	54.60
Hs.666762	8.97	chr5	N/A	7	64.60
Hs.131441	8.97	chr8	N/A	7	59.01
Hs.545199	8.97	chr8	N/A	3	17.90
Hs.490042	8.97	chr7	N/A	10	62.54
Hs.42747	8.97	chr16	N/A	18	64.29
Hs.675470	8.97	chr3	N/A	1	0.00
C20orf201	8.97	chr20	20q13.33	17	82.65
Hs.666663	8.97	chr14	N/A	7	107.13
Hs.578003	8.97	chr13	N/A	3	32.90
Hs.584268	8.97	chr9	N/A	3	81.80
KRTAP5-1	8.97	chr11	11p15.5	3	75.71
Hs.564855	8.97	chr16	N/A	3	73.46
ARHGFE26-AS1	8.97	chr3	3q25	18	192.94
Hs.544047	8.97	chr5	N/A	3	48.47
Hs.732752	8.97	chr11	N/A	7	41.17
Hs.662896	8.97	chr8	N/A	7	43.89
Hs.577227	8.97	chr11	N/A	3	33.44
Hs.659123	8.97	chr9	N/A	8	96.79
Hs.602755	8.97	chr16	N/A	2	55.71
MILR1	8.97	chr17	17q23.3	18	52.27
Hs.633825	8.97	chrY	N/A	7	47.76
Hs.232175	8.97	chr6	N/A	3	36.03
Hs.145721	8.96	chr17	N/A	3	67.14
Hs.622439	8.96	chr2	N/A	3	6.43
Hs.720531	8.96	chr19	N/A	7	75.06
Hs.127481	8.96	chr14	N/A	31	55.24
Hs.205572	8.96	chr4	N/A	8	82.34
Hs.541817	8.96	chr2	N/A	3	66.03
Hs.636150	8.96	chr3	N/A	8	115.18
Hs.541648	8.96	chr2	N/A	5	64.59
Hs.251412	8.96	chr19	N/A	1	0.00
FBXO43	8.96	chr8	8q22.2	14	62.16
LOC643770	8.96	chr12	12q23.1	17	63.89
Hs.661716	8.96	chr14	N/A	1	0.00
FLJ43763	8.96	chr6	6p25.3	3	16.58
Hs.573947	8.96	chr11	N/A	3	20.68
Hs.633923	8.96	chr17	N/A	14	52.52
BRCA2	8.96	chr13	13q12.3	64	102.31
Hs.567097	8.96	chr9	N/A	3	40.70
Hs.662794	8.96	chr1	N/A	7	103.12
Hs.565905	8.96	chr3	N/A	3	23.68
Hs.576033	8.96	chr1	N/A	3	17.59
Hs.444370	8.96	chr17	N/A	11	36.52
Hs.611711	8.96	chr7	N/A	1	0.00
Hs.539826	8.96	chr14	N/A	3	67.72
TSPYL6	8.95	chr2	2p16.2	36	125.24
Hs.545472	8.95	chr8	N/A	7	45.30
Hs.147484	8.95	chr6	N/A	6	47.52
Hs.636839	8.95	chr11	N/A	2	50.80
Hs.543491	8.95	chr4	N/A	3	60.18
OXGR1	8.95	chr13	13q32.1	34	93.49
Hs.657657	8.95	chr9	N/A	9	36.75
Hs.538224	8.95	chr1	N/A	3	14.43
C17orf99	8.95	chr17	17q25.3	21	119.00
Hs.635126	8.95	chr10	N/A	7	41.59
DMRT2	8.95	chr9	9p24.3	32	99.19

IQCH	8.95	chr15	15q23	70	102.81
Hs.656264	8.95	chr5	N/A	8	87.07
LOC400965	8.95	chr2	2p11.2	4	61.58
LOC100505592	8.95	chr18	N/A	1	0.00
VSTM1	8.95	chr19	19q13.42	4	85.49
Hs.639355	8.95	chr10	N/A	1	0.00
Hs.665682	8.95	chr11	N/A	1	0.00
Hs.603995	8.95	chr4	N/A	3	50.84
Hs.233465	8.95	chr8	N/A	1	0.00
Hs.674223	8.95	chr5	N/A	1	0.00
Hs.537348	8.95	chr20	N/A	3	67.75
Hs.602799	8.94	chr17	N/A	7	66.48
Hs.656388	8.94	chr10	N/A	7	58.25
Hs.543837	8.94	chr5	N/A	3	37.52
Hs.713659	8.94	chr19	N/A	8	15.55
Hs.543818	8.94	chr5	N/A	3	2.73
SH2D4B	8.94	chr10	10q23.1	30	41.61
Hs.144975	8.94	chr2	N/A	20	66.10
Hs.667744	8.94	chr3	N/A	14	54.62
LHFPL1	8.94	chrX	Xq23	26	68.49
Hs.544311	8.94	chr6	N/A	3	94.63
Hs.150823	8.94	chr8	N/A	7	64.13
Hs.130515	8.94	chr1	N/A	3	32.08
Hs.560066	8.94	chr12	N/A	3	23.24
Hs.598335	8.94	chr8	N/A	1	0.00
Hs.26479	8.94	chr3	N/A	8	104.42
Hs.574096	8.94	chr13	N/A	3	60.42
Hs.602300	8.94	chr12	N/A	7	53.16
LINC00309	8.94	chr2	2p15	18	83.23
Hs.540973	8.94	chr18	N/A	3	24.73
FLJ30375	8.94	chr3	3q24	4	30.73
Hs.541637	8.94	chr2	N/A	3	47.67
Hs.660236	8.94	chr15	N/A	14	72.10
Hs.218029	8.93	chr12	N/A	3	39.02
Hs.659618	8.93	chr3	N/A	2	47.87
Hs.122228	8.93	chr14	N/A	1	0.00
SCAI	8.93	chr9	9q33.3	47	50.25
Hs.722546	8.93	chr16	N/A	3	58.64
TMEM72	8.93	chr10	10q11.21	11	115.10
Hs.656094	8.93	chr2	N/A	17	58.48
Hs.712662	8.93	chr8	N/A	3	39.28
Hs.635763	8.93	chr2	N/A	7	42.86
Hs.566775	8.93	chr7	N/A	3	42.59
Hs.582456	8.93	chr5	N/A	3	54.78
ZNF804A	8.93	chr2	2q32.1	25	63.96
Hs.150808	8.93	chr4	N/A	10	52.15
Hs.658291	8.93	chr13	N/A	9	72.33
Hs.132276	8.93	chr1	N/A	12	76.59
ARID3C	8.93	chr9	9p13.3	3	34.26
Hs.634309	8.93	chr4	N/A	7	43.30
Hs.444688	8.93	chr4	N/A	3	59.88
Hs.597175	8.93	chr18	N/A	7	50.28
Hs.460228	8.93	chr16	N/A	1	0.00
LINC00528	8.93	chr22	22q11.21	11	170.82
Hs.602677	8.93	chr3	N/A	3	32.36
FAM90A1	8.93	chr12	12p13.31	31	85.18
Hs.146724	8.93	chr16	N/A	10	97.52
DEGS2	8.93	chr14	14q32.2	4	32.17
Hs.666228	8.92	chr1	N/A	15	65.83
Hs.577361	8.92	chr11	N/A	3	72.42
Hs.308606	8.92	chr9	N/A	2	53.45
Hs.525926	8.92	chr13	N/A	7	54.48
LINC00243	8.92	chr6	6p21.33	3	67.27
Hs.668533	8.92	chr19	N/A	10	65.20
C6orf195	8.92	chr6	6p25.2	17	115.82
LOC152586	8.92	chr4	4q31.1	12	38.37

Hs.686143	8.92	chr17	N/A	2	5.82
Hs.566074	8.92	chr4	N/A	3	27.00
Hs.149979	8.92	chr14	N/A	8	50.44
Hs.584811	8.92	chr8	N/A	8	54.75
SPINK14	8.92	chr5	5q32	3	43.97
Hs.540020	8.92	chr14	N/A	3	48.00
Hs.602720	8.92	chr7	N/A	2	3.84
Hs.601015	8.92	chr6	N/A	7	80.20
Hs.543398	8.92	chr4	N/A	3	39.48
ZNF648	8.92	chr1	1q25.3	5	61.63
Hs.246177	8.92	chr10	N/A	3	28.58
Hs.456273	8.91	chr17	N/A	7	52.61
ARRDC3-AS1	8.91	chr5	5q14.3	8	111.58
Hs.540832	8.91	chr17	N/A	10	106.99
TMEM200B	8.91	chr1	1p35	18	41.06
KCP	8.91	chr7	7q32.1	29	86.51
Hs.371083	8.91	chr22	N/A	3	50.34
Hs.566856	8.91	chr8	N/A	3	30.72
C10orf25	8.91	chr10	10q11.21	17	44.47
Hs.567200	8.91	chrX	N/A	3	47.50
LOC440970	8.91	chr3	3p12.1	3	44.73
Hs.735171	8.91	chr5	N/A	3	53.34
Hs.352357	8.91	chr7	N/A	4	29.49
Hs.565996	8.91	chr3	N/A	3	41.17
Hs.435071	8.90	chr7	N/A	8	39.09
Hs.543576	8.90	chr4	N/A	3	65.94
Hs.539016	8.90	chr11	N/A	3	66.93
Hs.582349	8.90	chr5	N/A	3	11.22
Hs.545666	8.90	chr9	N/A	3	55.41
Hs.745329	8.90	chr8	N/A	3	47.32
LOC100507311	8.90	chr15	N/A	13	42.44
MND1	8.90	chr4	4q31.3	25	91.09
HOXA10	8.90	chr7	7p15.2	106	116.26
Hs.729951	8.90	chr10	N/A	3	57.41
Hs.667818	8.90	chr7	N/A	7	85.85
PLA2G10	8.90	chr16	16p13.1-p12	25	72.29
Hs.607942	8.90	chrX	N/A	3	49.05
LINC00499	8.90	chr4	N/A	3	47.11
Hs.568997	8.90	chr11	N/A	3	49.81
ARHGAP11A	8.90	chr15	15q13.2	49	78.66
Hs.564722	8.89	chr14	N/A	3	19.69
Hs.660506	8.89	chr18	N/A	7	77.45
BIN2	8.89	chr12	12q13	28	72.11
Hs.201996	8.89	chr15	N/A	3	6.39
Hs.660994	8.89	chr10	N/A	7	47.95
Hs.563192	8.89	chr4	N/A	3	23.30
LOC642515	8.89	chr9	9q34.13	3	30.68
Hs.565570	8.89	chr2	N/A	7	54.71
Hs.640580	8.89	chr4	N/A	3	70.56
Hs.657928	8.89	chr12	N/A	7	74.30
Hs.283647	8.89	chr16	N/A	3	65.08
FAM167A	8.89	chr8	8p23-p22	34	99.17
Hs.540623	8.89	chr16	N/A	3	18.82
Hs.537657	8.89	chr1	N/A	3	26.36
Hs.666133	8.89	chr2	N/A	7	50.84
Hs.207565	8.89	chr14	N/A	3	57.35
Hs.663302	8.89	chr6	N/A	7	75.27
Hs.518715	8.89	chr4	N/A	3	27.46
S100Z	8.89	chr5	5q13.3	22	81.69
LOC100506282	8.89	chr11	N/A	15	41.85
Hs.212093	8.89	chr6	N/A	3	67.58
Hs.132014	8.89	chr8	N/A	10	64.52
Hs.575308	8.89	chr6	N/A	3	36.01
Hs.602296	8.88	chr22	N/A	2	41.47
Hs.513783	8.88	chr1	N/A	3	71.91
Hs.583563	8.88	chr7	N/A	3	33.46

KRTAP19-7	8.88	chr21	21q22.1	6	61.94
CATSPERG	8.88	chr19	19q13.1	39	81.61
DGCR5	8.88	chr22	22q11	24	87.56
Hs.437941	8.88	chr14	N/A	18	76.32
Hs.538339	8.88	chr10	N/A	3	23.99
Hs.545067	8.88	chr7	N/A	3	43.77
Hs.147579	8.88	chr18	N/A	3	50.68
Hs.156918	8.88	chr10	N/A	4	28.86
ZNF556	8.88	chr19	19p13.3	21	102.81
PPEF2	8.88	chr4	4q21.1	35	99.04
LINC00307	8.88	chr21	21q22.11	14	65.97
Hs.601546	8.88	chr11	N/A	7	35.59
Hs.666415	8.88	chr1	N/A	3	67.41
Hs.539123	8.88	chr12	N/A	10	53.49
DNMT3L	8.88	chr21	21q22.3	24	95.60
Hs.149078	8.88	chr4	N/A	2	69.73
Hs.149828	8.88	chr2	N/A	3	58.85
Hs.552709	8.88	chr17	N/A	3	55.66
Hs.565736	8.88	chr21	N/A	3	2.45
LINC00251	8.88	chr8	8q13.1	10	79.33
Hs.661832	8.87	chr3	N/A	14	107.70
Hs.563750	8.87	chr1	N/A	3	24.22
Hs.222079	8.87	chr17	N/A	7	89.11
Hs.579408	8.87	chr18	N/A	3	51.09
Hs.147878	8.87	chr4	N/A	12	86.28
Hs.666858	8.87	chr17	N/A	14	92.41
RAPGEF4-AS1	8.87	chr2	2q31.1	1	0.00
Hs.655987	8.87	chr10	N/A	11	24.57
Hs.666332	8.87	chr8	N/A	14	89.12
Hs.54721	8.87	chr18	N/A	18	41.23
Hs.538397	8.87	chr10	N/A	10	107.88
Hs.116283	8.87	chr7	N/A	3	51.49
Hs.666869	8.87	chr7	N/A	2	13.46
Hs.530715	8.87	chr11	N/A	11	54.42
PPY2	8.87	chr17	17q11	21	125.31
Hs.499125	8.87	chr16	N/A	10	160.34
TRMU	8.87	chr22	22q13	7	108.49
Hs.521250	8.87	chr7	N/A	3	53.55
Hs.568789	8.87	chr10	N/A	5	76.79
Hs.546175	8.86	chrX	N/A	3	55.71
Hs.544634	8.86	chr6	N/A	3	32.30
Hs.543040	8.86	chr3	N/A	3	38.18
Hs.609438	8.86	chr12	N/A	9	42.09
Hs.541799	8.86	chr2	N/A	3	18.02
Hs.554559	8.86	chr12	N/A	3	50.74
Hs.653257	8.86	chr6	N/A	7	102.54
Hs.147427	8.86	chr18	N/A	3	89.40
Hs.666418	8.86	chr5	N/A	7	24.51
DNM3OS	8.86	chr1	1q24.3	11	54.79
Hs.665712	8.86	chr4	N/A	1	0.00
HOXA-AS2	8.86	chr7	7p15.2	18	87.18
Hs.658154	8.86	chrX	N/A	8	60.25
Hs.566650	8.86	chr7	N/A	4	79.18
Hs.438233	8.86	chr14	N/A	8	80.88
Hs.370754	8.86	chr6	N/A	3	41.60
Hs.117238	8.86	chr21	N/A	7	75.10
Hs.540662	8.86	chr16	N/A	3	50.85
Hs.540790	8.86	chr17	N/A	3	68.56
Hs.602855	8.86	chr6	N/A	2	41.85
Hs.538502	8.86	chr10	N/A	3	56.59
XKR3	8.85	chr22	22q11.1	20	109.20
Hs.560298	8.85	chr14	N/A	3	27.06
Hs.326006	8.85	chr14	N/A	3	87.85
Hs.636899	8.85	chr6	N/A	3	58.63
Hs.586116	8.85	chr3	N/A	3	71.46
Hs.293593	8.85	chr5	N/A	21	58.53

Hs.570810	8.85	chr4	N/A	5	59.15
Hs.543058	8.85	chr3	N/A	3	55.51
Hs.540298	8.85	chr15	N/A	5	45.91
TAS2R50	8.85	chr12	12p13.2	17	40.25
Hs.734377	8.85	chr1	N/A	7	26.67
Hs.577845	8.85	chr13	N/A	3	12.83
Hs.613541	8.84	chr7	N/A	3	67.19
CLEC4F	8.84	chr2	2p13.3	21	60.98
LOC400456	8.84	chr15	15q26.2	27	51.16
Hs.561852	8.84	chr8	N/A	3	64.28
Hs.716034	8.84	chr2	N/A	1	0.00
C14orf178	8.84	chr14	14q24.3	14	137.97
KRT12	8.84	chr17	17q12	23	69.31
LOC285501	8.84	chr4	4q34.3	1	0.00
TSC22D1-AS1	8.84	chr13	13q14.11	25	94.32
Hs.599990	8.84	chr21	N/A	5	37.38
Hs.585152	8.84	chr6	N/A	3	61.67
ITPR1-AS1	8.84	chr3	N/A	8	74.50
RNF212	8.84	chr4	4p16.3	21	84.57
EGOT	8.84	chr3	3p26.1	22	86.50
Hs.357798	8.84	chr16	N/A	2	16.75
Hs.577366	8.84	chr11	N/A	3	31.02
Hs.673409	8.84	chr6	N/A	1	0.00
Hs.600727	8.84	chr12	N/A	3	29.11
Hs.436137	8.84	chr6	N/A	11	48.66
LOC100506641	8.83	chrX	N/A	6	60.49
LDHAL6A	8.83	chr11	11p15.1	17	88.67
LAMB4	8.83	chr7	7q31	41	84.37
Hs.544670	8.83	chr6	N/A	3	31.05
Hs.673118	8.83	chr4	N/A	11	47.53
Hs.511962	8.83	chr6	N/A	7	79.40
Hs.570351	8.83	chr20	N/A	2	35.98
Hs.658972	8.83	chr12	N/A	15	65.27
Hs.601506	8.83	chr18	N/A	7	47.36
Hs.126593	8.83	chr4	N/A	3	26.22
Hs.550868	8.83	chr11	N/A	3	66.27
Hs.660283	8.82	chr13	N/A	7	97.82
Hs.564671	8.82	chr14	N/A	7	55.12
Hs.733115	8.82	chr5	N/A	1	0.00
Hs.668415	8.82	chr22	N/A	1	0.00
Hs.604068	8.82	chr2	N/A	2	60.70
Hs.538858	8.82	chr11	N/A	3	4.89
Hs.660120	8.82	chr14	N/A	7	44.85
Hs.146661	8.82	chr14	N/A	7	60.18
Hs.636043	8.82	chrX	N/A	10	39.20
Hs.668137	8.82	chr2	N/A	7	73.75
Hs.97324	8.82	chr12	N/A	10	68.82
Hs.667283	8.82	chr10	N/A	2	9.41
Hs.133890	8.82	chr11	N/A	7	90.94
Hs.572601	8.82	chr19	N/A	1	0.00
Hs.565518	8.82	chr2	N/A	3	24.85
LOC100506489	8.82	chr7	N/A	9	57.23
PRLR	8.82	chr5	5p13.2	135	92.70
Hs.565345	8.82	chr2	N/A	3	70.54
Hs.145436	8.82	chr12	N/A	5	70.61
Hs.188491	8.82	chr9	N/A	17	67.82
NXNL2	8.82	chr9	9q22.1	22	104.04
Hs.600908	8.82	chr18	N/A	7	34.79
Hs.543478	8.82	chr4	N/A	3	71.64
Hs.606318	8.81	chr17	N/A	1	0.00
Hs.677122	8.81	chr15	N/A	15	140.06
Hs.661932	8.81	chr14	N/A	1	0.00
Hs.563862	8.81	chr1	N/A	3	24.28
Hs.213380	8.81	chr4	N/A	1	0.00
Hs.551256	8.81	chr8	N/A	7	36.18
Hs.687554	8.81	chr3	N/A	2	46.25

Hs.539161	8.81	chr12	N/A	10	66.10
NMBR	8.81	chr6	6q21-qter	23	154.37
Hs.538710	8.81	chr11	N/A	7	55.28
CDH7	8.81	chr18	18q22.1	38	70.50
TRPM1	8.81	chr15	15q13.3	50	79.93
Hs.617357	8.81	chr1	N/A	9	124.11
LOC100507391	8.81	chr3	3q29	1	0.00
CAPN11	8.81	chr6	6p12	23	108.25
Hs.21237	8.81	chr5	N/A	3	68.31
Hs.731711	8.81	chr9	N/A	1	0.00
E2F8	8.81	chr11	11p15.1	23	57.93
Hs.545388	8.80	chr8	N/A	3	24.53
LOC100287879	8.80	chr3	3p14.1	3	32.89
Hs.551832	8.80	chr1	N/A	10	55.19
Hs.602560	8.80	chr6	N/A	32	86.11
Hs.543129	8.80	chr3	N/A	3	51.66
Hs.132438	8.80	chr1	N/A	2	69.11
Hs.612325	8.80	chr2	N/A	5	26.10
Hs.613987	8.80	chr7	N/A	10	32.22
Hs.601170	8.80	chr5	N/A	7	67.71
Hs.127674	8.80	chr18	N/A	7	74.42
Hs.539668	8.80	chr13	N/A	3	63.61
Hs.535881	8.80	chr7	N/A	2	33.61
ZBPB2	8.80	chr17	17q12	25	140.76
Hs.541294	8.80	chr19	N/A	7	48.97
FATE1	8.80	chrX	Xq28	24	74.07
Hs.405770	8.80	chr5	N/A	7	79.52
Hs.576488	8.80	chr1	N/A	3	62.92
Hs.335020	8.80	chr18	N/A	10	82.78
Hs.580542	8.80	chr2	N/A	3	27.02
AP1S3	8.80	chr2	2q36.1	40	72.53
VSIG8	8.80	chr1	1q23.2	14	19.48
USP43	8.80	chr17	17p13.1	26	81.97
Hs.146827	8.79	chr17	N/A	8	47.25
CLEC4C	8.79	chr12	12p13.2-p12.3	21	49.74
LOC100996645	8.79	chr5	N/A	3	59.84
Hs.667090	8.79	chr2	N/A	7	54.03
Hs.571064	8.79	chr6	N/A	7	27.04
Hs.667269	8.79	chr20	N/A	8	41.51
Hs.320147	8.79	chr4	N/A	3	16.61
Hs.544643	8.79	chr6	N/A	3	38.82
Hs.47928	8.79	chr18	N/A	3	51.67
Hs.579045	8.79	chr17	N/A	3	46.77
Hs.427939	8.79	chr11	N/A	3	27.24
Hs.667459	8.79	chr14	N/A	3	31.59
Hs.660092	8.79	chr18	N/A	7	45.08
Hs.558075	8.79	chr16	N/A	3	71.20
Hs.603074	8.79	chr12	N/A	2	10.20
Hs.565893	8.79	chr3	N/A	3	41.80
CLEC3A	8.79	chr16	16q23	27	88.95
DKFZP434K028	8.79	chr11	11q12.2	14	56.42
Hs.542995	8.79	chr3	N/A	3	27.09
Hs.652882	8.79	chr8	N/A	1	0.00
Hs.561198	8.79	chr3	N/A	6	85.06
Hs.548789	8.78	chr21	N/A	2	9.54
Hs.540474	8.78	chr16	N/A	3	15.39
Hs.563751	8.78	chr1	N/A	3	32.40
OR10X1	8.78	chr1	1q23.1	6	61.20
Hs.229275	8.78	chr1	N/A	15	79.12
LOC100507166	8.78	chr15	N/A	10	52.29
Hs.151148	8.78	chr1	N/A	2	8.45
IL25	8.78	chr14	14q11.2	27	81.77
LOC339760	8.78	chr2	2q14.3	21	129.51
Hs.729177	8.78	chr12	N/A	7	38.46
Hs.388903	8.78	chr8	N/A	3	30.32
Hs.583491	8.78	chr7	N/A	3	64.22

Hs.603505	8.78	chr12	N/A	1	0.00
CDY2A	8.78	chrY	Yq11.221	13	84.91
Hs.427107	8.78	chr9	N/A	8	39.43
Hs.638617	8.78	chr7	N/A	3	63.72
Hs.593986	8.78	chr2	N/A	7	73.30
Hs.720502	8.78	chr9	N/A	17	39.82
Hs.147408	8.78	chr5	N/A	10	87.39
Hs.560064	8.78	chr12	N/A	10	97.48
HIST1H4I	8.78	chr6	6p21.33	24	55.10
Hs.563549	8.78	chr8	N/A	3	71.13
RBMY1F	8.78	chrY	Yq11.223	18	53.62
Hs.537713	8.78	chr1	N/A	3	73.96
Hs.564662	8.78	chr14	N/A	3	53.52
Hs.539396	8.78	chr12	N/A	3	28.51
Hs.581909	8.78	chr4	N/A	3	85.70
Hs.602178	8.78	chr2	N/A	8	55.70
LOC100287098	8.78	chr8	8q24.3	15	59.36
Hs.671826	8.78	chr19	N/A	1	0.00
Hs.132067	8.78	chr2	N/A	5	58.29
Hs.527876	8.77	chr12	N/A	4	34.61
Hs.736258	8.77	chr15	N/A	4	117.37
Hs.174508	8.77	chr14	N/A	6	23.22
Hs.565047	8.77	chr17	N/A	3	50.67
Hs.136791	8.77	chr2	N/A	10	72.26
Hs.668208	8.77	chr5	N/A	7	59.49
Hs.598923	8.77	chr2	N/A	7	35.57
Hs.667533	8.77	chr7	N/A	3	34.81
Hs.679915	8.77	chr5	N/A	3	17.85
Hs.601575	8.77	chr6	N/A	7	61.45
Hs.594275	8.77	chr7	N/A	11	55.69
Hs.661476	8.77	chr12	N/A	7	46.52
Hs.635002	8.77	chr22	N/A	7	73.79
LOC100506526	8.77	chr5	N/A	11	144.46
Hs.567108	8.77	chrX	N/A	3	15.52
Hs.603469	8.77	chr1	N/A	2	1.24
Hs.662261	8.76	chr4	N/A	7	47.65
C17orf105	8.76	chr17	17q21.31	11	28.92
UBAP1L	8.76	chr15	15q22.31	9	45.01
Hs.736699	8.76	chr3	N/A	3	35.56
Hs.656518	8.76	chr17	N/A	5	63.15
Hs.661115	8.76	chr2	N/A	7	82.66
Hs.582016	8.76	chr4	N/A	7	65.12
Hs.232230	8.76	chr6	N/A	3	83.90
Hs.541995	8.76	chr2	N/A	3	62.11
C2orf15	8.76	chr2	2q11.2	17	76.74
Hs.554255	8.76	chr3	N/A	3	40.87
HTR2C	8.76	chrX	Xq24	40	104.65
Hs.583868	8.76	chr8	N/A	3	24.88
Hs.692070	8.76	chr3	N/A	8	64.41
Hs.120340	8.76	chr16	N/A	7	57.68
Hs.656514	8.76	chr7	N/A	8	75.46
Hs.538064	8.76	chr1	N/A	3	57.02
Hs.564109	8.76	chr10	N/A	3	64.25
Hs.537991	8.76	chr1	N/A	3	57.53
Hs.619180	8.76	chr6	N/A	3	36.24
Hs.438374	8.76	chr17	N/A	3	41.33
Hs.574409	8.76	chr17	N/A	7	105.56
Hs.667147	8.76	chr2	N/A	7	85.06
Hs.634528	8.76	chr2	N/A	7	74.85
Hs.659233	8.76	chr10	N/A	7	92.34
Hs.583976	8.75	chr8	N/A	3	33.79
Hs.582533	8.75	chr5	N/A	3	36.33
Hs.566705	8.75	chr7	N/A	3	74.91
Hs.578080	8.75	chr14	N/A	3	73.61
Hs.540634	8.75	chr16	N/A	3	54.86
LINC00652	8.75	chr20	20p11.23	24	71.94

Hs.537804	8.75	chr1	N/A	10	87.95
Hs.667309	8.75	chr10	N/A	18	76.12
LOC646329	8.75	chr7	7q32.3	1	0.00
Hs.108226	8.75	chr8	N/A	3	17.13
Hs.710502	8.75	chr11	N/A	7	46.87
PAGE2B	8.75	chrX	Xp11.21	14	147.89
Hs.268689	8.75	chr10	N/A	10	17.11
Hs.659609	8.75	chr7	N/A	7	48.67
Hs.619490	8.75	chr17	N/A	1	0.00
Hs.534923	8.75	chr17	N/A	3	30.59
Hs.229512	8.75	chr18	N/A	3	103.08
TAF7L	8.75	chrX	Xq22.1	29	53.89
Hs.672163	8.75	chr8	N/A	3	51.21
OFCC1	8.75	chr6	6p24.3	42	130.13
Hs.563318	8.75	chr5	N/A	3	53.67
ELOVL7	8.75	chr5	5q12.1	33	54.49
Hs.143973	8.74	chr20	N/A	5	48.13
Hs.667419	8.74	chr12	N/A	7	49.86
Hs.576343	8.74	chr1	N/A	6	72.29
OR6B2	8.74	chr2	2q37.3	6	50.19
MARCH4	8.74	chr2	2q35	26	76.25
RORB	8.74	chr9	9q22	41	76.84
Hs.672731	8.74	chr11	N/A	1	0.00
Hs.553319	8.74	chr10	N/A	10	73.73
Hs.579373	8.74	chr18	N/A	3	41.76
Hs.566626	8.74	chr7	N/A	3	49.91
Hs.135673	8.74	chr1	N/A	14	95.00
Hs.433011	8.74	chr10	N/A	3	15.29
LOC100506542	8.74	chr16	N/A	1	0.00
Hs.545855	8.74	chr9	N/A	3	42.59
Hs.666182	8.74	chrX	N/A	14	95.03
Hs.537912	8.74	chr1	N/A	3	44.67
Hs.575882	8.74	chr1	N/A	3	32.33
LOC100996590	8.73	chr9	N/A	5	68.93
BRIP1	8.73	chr17	17q22.2	59	93.54
Hs.21195	8.73	chr1	N/A	39	59.96
OR1K1	8.73	chr9	9q33.2	8	42.53
Hs.732473	8.73	chr1	N/A	8	57.38
Hs.149496	8.73	chr1	N/A	2	32.13
Hs.604100	8.73	chr14	N/A	2	22.22
LOC100505718	8.73	chr8	N/A	6	32.94
TEKT1	8.73	chr17	17p13.1	21	98.36
C6orf58	8.73	chr6	6q22.33	30	66.52
C7orf76	8.73	chr7	7q21.3	3	12.07
Hs.713187	8.73	chr20	N/A	10	20.13
Hs.594064	8.73	chr16	N/A	7	59.27
Hs.149804	8.73	chr1	N/A	10	54.99
Hs.660195	8.73	chr2	N/A	1	0.00
LOC729461	8.73	chr22	22q11.21	14	39.60
Hs.666254	8.73	chrX	N/A	7	99.22
Hs.542298	8.73	chr20	N/A	10	75.76
Hs.636119	8.73	chr9	N/A	1	0.00
Hs.210969	8.73	chr5	N/A	3	46.24
Hs.665558	8.73	chr14	N/A	1	0.00
ANKRD34B	8.73	chr5	5q14.1	16	69.01
Hs.130462	8.73	chr18	N/A	7	48.52
Hs.734210	8.73	chr14	N/A	2	32.46
Hs.600852	8.73	chr10	N/A	7	80.71
CYP4A22	8.73	chr1	1p33	5	45.18
Hs.628016	8.72	chr17	N/A	3	41.84
ZNF334	8.72	chr20	20q13.12	25	60.88
Hs.539958	8.72	chr14	N/A	3	79.54
Hs.192039	8.72	chr1	N/A	2	54.00
LOC643441	8.72	chr1	1p13.2	26	62.66
Hs.662936	8.72	chr6	N/A	7	128.67
AQP4-AS1	8.72	chr18	18q11.2	28	53.95

Hs.46551	8.72	chr4	N/A	7	47.85
Hs.562988	8.72	chr20	N/A	7	71.87
CNTNAP4	8.72	chr16	16q23.1	45	100.58
NEIL3	8.72	chr4	4q34.3	27	83.68
Hs.609890	8.72	chr20	N/A	3	49.51
Hs.668445	8.72	chr1	N/A	7	77.88
Hs.575365	8.72	chr6	N/A	7	52.53
Hs.577270	8.72	chr11	N/A	3	26.42
Hs.652751	8.72	chr9	N/A	3	33.01
PWRN2	8.72	chr15	15q11.2	19	94.81
Hs.572646	8.72	chr2	N/A	3	75.08
Hs.130392	8.72	chr5	N/A	5	51.88
Hs.597338	8.72	chr8	N/A	7	53.13
Hs.655972	8.72	chr1	N/A	7	89.59
Hs.135853	8.72	chr1	N/A	7	89.68
Hs.563418	8.71	chr6	N/A	7	45.35
Hs.647677	8.71	chr1	N/A	3	33.62
Hs.560405	8.71	chr16	N/A	3	57.57
PALM2-AKAP2	8.71	chr9	9q31.3	7	31.80
Hs.602128	8.71	chr20	N/A	15	63.52
Hs.559211	8.71	chr14	N/A	3	36.59
NTRK3-AS1	8.71	chr15	15q25.3	6	76.69
Hs.144883	8.71	chr8	N/A	2	28.06
Hs.600988	8.71	chr18	N/A	7	87.00
Hs.666232	8.71	chr15	N/A	6	47.94
Hs.655833	8.71	chr13	N/A	14	93.24
Hs.640867	8.71	chr3	N/A	3	55.97
Hs.560273	8.71	chr14	N/A	3	25.76
Hs.736889	8.71	chr1	N/A	1	0.00
LOC100128905	8.71	chr2	2q31.1	3	35.47
Hs.662227	8.71	chr10	N/A	15	40.76
STARD6	8.71	chr18	18q21.2	24	84.05
LINC00475	8.71	chr9	9q22.31	13	37.10
Hs.12535	8.70	chr19	N/A	10	96.01
Hs.602257	8.70	chr20	N/A	7	119.32
Hs.540014	8.70	chr14	N/A	6	54.25
Hs.667724	8.70	chr7	N/A	7	49.06
Hs.583003	8.70	chr6	N/A	3	53.00
Hs.664177	8.70	chr10	N/A	3	25.14
Hs.735347	8.70	chr13	N/A	1	0.00
Hs.147763	8.70	chr2	N/A	5	47.88
BPIFB6	8.70	chr20	20q11.21	17	95.81
Hs.602937	8.70	chr12	N/A	7	33.13
Hs.658569	8.70	chr15	N/A	2	32.12
CD69	8.70	chr12	12p13	115	47.71
Hs.659060	8.70	chr6	N/A	8	66.48
Hs.665960	8.70	chr20	N/A	22	155.44
Hs.620302	8.70	chr1	N/A	3	67.30
CASP14	8.70	chr19	19p13.1	17	93.47
Hs.540657	8.70	chr16	N/A	3	12.61
Hs.714856	8.70	chr2	N/A	1	0.00
Hs.542185	8.70	chr2	N/A	3	56.59
Hs.570958	8.70	chr5	N/A	3	46.67
LOC100132004	8.70	chr9	9q13	9	62.67
TRAV12-2	8.70	chr14	14q11	15	145.98
Hs.663704	8.70	chr13	N/A	7	64.68
Hs.738212	8.70	chr5	N/A	3	59.60
Hs.562114	8.70	chr1	N/A	3	15.88
ALDH3B2	8.70	chr11	11q13	41	86.13
Hs.543424	8.70	chr4	N/A	7	34.51
Hs.661697	8.69	chr3	N/A	18	51.70
Hs.659954	8.69	chr5	N/A	7	38.60
Hs.543232	8.69	chr3	N/A	3	20.66
Hs.732608	8.69	chr2	N/A	8	42.62
Hs.580231	8.69	chr2	N/A	3	45.03
Hs.581994	8.69	chr4	N/A	3	49.86

CXCL11	8.69	chr4	4q21.2	41	67.74
Hs.154614	8.69	chr9	N/A	2	29.63
Hs.573681	8.69	chr1	N/A	3	34.22
PPP1R42	8.69	chr8	8q13.1	18	61.11
Hs.136697	8.69	chr5	N/A	4	48.42
LOC101060007	8.69	chr5	N/A	3	41.15
Hs.667708	8.69	chr5	N/A	2	66.24
Hs.539214	8.69	chr12	N/A	3	61.23
GLRA1	8.69	chr5	5q32	22	58.08
Hs.565473	8.69	chr2	N/A	3	71.49
Hs.540116	8.69	chr14	N/A	3	22.75
Hs.593050	8.69	chr4	N/A	9	55.36
FLJ36000	8.69	chr17	17p11.2	27	65.61
Hs.583877	8.69	chr8	N/A	3	24.52
Hs.564272	8.69	chr11	N/A	3	52.84
IL17B	8.69	chr5	5q33.1	28	97.20
Hs.150800	8.68	chr14	N/A	11	98.54
Hs.603844	8.68	chr9	N/A	7	73.17
Hs.552800	8.68	chr1	N/A	7	50.12
Hs.659445	8.68	chr14	N/A	5	35.93
Hs.539586	8.68	chr13	N/A	10	63.99
Hs.659399	8.68	chr1	N/A	7	95.43
Hs.661499	8.68	chr11	N/A	1	0.00
Hs.577646	8.68	chr12	N/A	3	52.17
Hs.127031	8.68	chr10	N/A	7	100.29
Hs.572154	8.68	chr12	N/A	1	0.00
Hs.667002	8.68	chr14	N/A	2	35.14
Hs.292338	8.68	chr9	N/A	5	87.86
Hs.633751	8.68	chr5	N/A	5	45.81
Hs.574767	8.68	chr2	N/A	3	56.12
Hs.634603	8.68	chr17	N/A	17	114.06
IL1RL2	8.68	chr2	2q12	23	52.46
Hs.668622	8.68	chr6	N/A	1	0.00
FAM99B	8.67	chr11	11p15.5	8	55.11
Hs.134939	8.67	chrX	N/A	10	84.71
Hs.658646	8.67	chr9	N/A	5	65.47
PAXBP1-AS1	8.67	chr21	N/A	18	72.56
Hs.668007	8.67	chr6	N/A	2	59.91
Hs.729448	8.67	chr17	N/A	3	85.72
Hs.564465	8.67	chr12	N/A	3	22.12
PRSS37	8.67	chr7	7q34	24	106.15
TAS2R46	8.67	chr12	12p13.2	16	103.33
EQTN	8.67	chr9	9p21	25	87.58
Hs.660380	8.67	chr11	N/A	7	84.63
LOC340094	8.67	chr5	5p15.32	7	80.57
Hs.121749	8.67	chr12	N/A	6	35.18
Hs.48617	8.67	chr1	N/A	10	44.66
CYS1	8.67	chr2	2p25.1	6	67.07
LOC100128554	8.67	chr12	12q24.32	1	0.00
FLG	8.67	chr1	1q21.3	43	103.99
Hs.380659	8.67	chr12	N/A	7	84.52
Hs.658556	8.67	chr12	N/A	1	0.00
UTS2B	8.67	chr3	3q28	27	46.56
Hs.666846	8.67	chr11	N/A	2	69.74
Hs.540296	8.67	chr15	N/A	3	73.32
Hs.602924	8.67	chr2	N/A	7	124.89
Hs.654917	8.66	chr8	N/A	7	47.42
Hs.518888	8.66	chr4	N/A	10	62.98
Hs.425510	8.66	chr2	N/A	7	56.90
Hs.732079	8.66	chr1	N/A	5	62.20
Hs.660313	8.66	chr7	N/A	3	11.92
Hs.125626	8.66	chr2	N/A	10	99.23
SNTN	8.66	chr3	3p14.2	26	100.50
Hs.544195	8.66	chr5	N/A	3	43.63
KRTAP13-2	8.66	chr21	21q22.1	27	69.75
RNF17	8.66	chr13	13q12.12	60	115.40

Hs.738195	8.66	chr1	N/A	3	54.14
C4orf51	8.66	chr4	4q31.21	3	18.66
Hs.730790	8.66	chr12	N/A	3	71.07
LOC728763	8.66	chr2	2q37.3	5	84.12
LOC100505645	8.66	chr12	N/A	17	53.05
Hs.593826	8.66	chr12	N/A	9	47.31
Hs.382856	8.66	chr1	N/A	1	0.00
Hs.677206	8.66	chr19	N/A	1	0.00
Hs.666971	8.66	chr10	N/A	7	39.18
Hs.633354	8.66	chr7	N/A	3	39.34
Hs.540642	8.66	chr16	N/A	3	76.38
LOC340239	8.66	chr7	7q11.21	8	59.62
Hs.602301	8.66	chr1	N/A	19	140.04
SLC6A20	8.66	chr3	3p21.3	62	68.03
Hs.662301	8.66	chr6	N/A	1	0.00
FSIP2	8.65	chr2	2q32.1	30	148.05
Hs.666836	8.65	chr7	N/A	3	17.33
Hs.254690	8.65	chr6	N/A	3	25.73
FKSG29	8.65	chr13	13q32.3	21	122.25
ZP4	8.65	chr1	1q43	17	125.83
Hs.223583	8.65	chr15	N/A	13	61.12
Hs.598178	8.65	chr1	N/A	3	41.31
Hs.576380	8.65	chr1	N/A	3	18.80
Hs.554504	8.65	chr10	N/A	3	51.67
Hs.135735	8.65	chr14	N/A	3	21.10
Hs.661928	8.65	chr19	N/A	1	0.00
Hs.565557	8.65	chr2	N/A	3	37.20
Hs.631532	8.65	chr19	N/A	7	59.74
Hs.634389	8.65	chr12	N/A	4	55.09
HRH4	8.65	chr18	18q11.2	26	84.47
Hs.604428	8.65	chr7	N/A	7	79.05
Hs.542835	8.65	chr3	N/A	3	98.41
Hs.258961	8.64	chr21	N/A	3	76.69
Hs.738183	8.64	chr6	N/A	3	30.39
Hs.742004	8.64	chr2	N/A	3	62.51
Hs.121869	8.64	chr13	N/A	10	76.73
Hs.132844	8.64	chr10	N/A	2	48.74
Hs.734251	8.64	chr20	N/A	2	13.54
Hs.405641	8.64	chr4	N/A	3	44.88
ARHGAP28	8.64	chr18	18p11.31	64	77.82
LOC100996286	8.64	chr4	N/A	1	0.00
Hs.562862	8.64	chr2	N/A	5	18.77
ACTL7B	8.64	chr9	9q31	28	77.26
Hs.368784	8.64	chr10	N/A	6	59.64
SYT17	8.64	chr16	16p12.3	30	66.58
Hs.540466	8.64	chr16	N/A	3	48.46
KCNG4	8.64	chr16	16q24.1	35	84.62
Hs.658365	8.64	chr7	N/A	3	48.25
Hs.662835	8.64	chr1	N/A	19	43.33
Hs.207551	8.64	chr13	N/A	3	52.37
Hs.658678	8.64	chr5	N/A	8	129.03
Hs.741696	8.64	chr11	N/A	8	68.87
Hs.540064	8.64	chr14	N/A	3	46.43
Hs.306598	8.63	chr2	N/A	1	0.00
Hs.612059	8.63	chr14	N/A	10	25.34
Hs.666765	8.63	chr18	N/A	1	0.00
Hs.635107	8.63	chr22	N/A	7	46.35
Hs.581573	8.63	chr3	N/A	5	36.01
Hs.667749	8.63	chr17	N/A	14	55.83
ARHGEF3-AS1	8.63	chr3	N/A	5	49.91
Hs.735239	8.63	chr14	N/A	10	28.39
Hs.659503	8.63	chr16	N/A	1	0.00
Hs.669408	8.63	chr1	N/A	2	37.78
FCRL4	8.63	chr1	1q21	55	107.48
Hs.582175	8.63	chr5	N/A	3	35.73
LRRIQ1	8.63	chr12	12q21.31	27	68.31

IGFALS	8.62	chr16	16p13.3	18	69.99
Hs.144314	8.62	chr11	N/A	6	32.07
ANO1-AS2	8.62	chr11	11q13.3	3	32.57
Hs.615028	8.62	chr8	N/A	11	81.60
LOC100996671	8.62	chr12	N/A	11	79.84
RP1	8.62	chr8	8q12.1	24	101.90
Hs.598783	8.62	chr22	N/A	7	66.36
Hs.564312	8.62	chr11	N/A	3	34.09
Hs.729477	8.62	chr22	N/A	8	59.31
Hs.515376	8.62	chr19	N/A	14	84.66
Hs.670210	8.62	chr11	N/A	10	41.69
Hs.605583	8.62	chr3	N/A	1	0.00
Hs.745179	8.62	chr16	N/A	3	23.18
C2orf48	8.62	chr2	2p25.1	13	101.46
Hs.676664	8.62	chr22	N/A	1	0.00
Hs.130555	8.62	chr20	N/A	10	54.21
Hs.146760	8.62	chr20	N/A	5	58.69
Hs.99431	8.62	chr14	N/A	11	75.67
Hs.128254	8.62	chr14	N/A	2	53.38
ENPP6	8.62	chr4	4q35.1	27	30.95
Hs.542840	8.62	chr3	N/A	3	62.08
Hs.545446	8.61	chr8	N/A	3	60.61
DLL3	8.61	chr19	19q13	44	96.47
SRD5A3-AS1	8.61	chr4	N/A	18	124.07
PYGO1	8.61	chr15	15q21.1	42	67.10
SLITRK3	8.61	chr3	3q26.1	30	91.20
Hs.660234	8.61	chr9	N/A	7	62.39
MICALCL	8.61	chr11	11p15.3	18	142.49
Hs.464273	8.61	chr17	N/A	3	44.39
SPATA31D1	8.61	chr9	9q21.32	10	53.78
Hs.568705	8.61	chr1	N/A	3	46.13
Hs.540808	8.61	chr17	N/A	3	101.70
LOC100506016	8.61	chr13	N/A	4	14.15
Hs.124584	8.61	chr18	N/A	21	44.66
INHBA-AS1	8.61	chr7	7p14.1	5	119.96
Hs.135736	8.61	chr11	N/A	3	38.65
SLC25A41	8.61	chr19	19p13.3	21	107.76
Hs.694922	8.61	chr3	N/A	1	0.00
Hs.566478	8.61	chr6	N/A	3	38.90
Hs.538038	8.61	chr1	N/A	3	28.70
Hs.605998	8.61	chr12	N/A	2	62.13
DEFB132	8.61	chr20	20p13	7	68.80
Hs.582668	8.61	chr6	N/A	3	58.33
SACS-AS1	8.61	chr13	13q12	2	45.58
Hs.438023	8.61	chr20	N/A	3	40.50
Hs.604333	8.61	chr2	N/A	2	71.10
Hs.512359	8.61	chr20	N/A	3	52.29
Hs.566101	8.61	chr4	N/A	3	53.38
DSCR10	8.61	chr21	21q22.13	20	107.18
Hs.544389	8.61	chr6	N/A	3	76.90
Hs.545586	8.61	chr9	N/A	3	46.77
Hs.581351	8.60	chr3	N/A	3	48.37
Hs.606449	8.60	chr17	N/A	7	80.14
Hs.734410	8.60	chr1	N/A	7	49.88
Hs.550967	8.60	chr2	N/A	3	35.57
Hs.565798	8.60	chr22	N/A	3	15.69
LINC00525	8.60	chr7	7p12.3	26	68.30
Hs.569110	8.60	chr12	N/A	3	99.39
Hs.539567	8.60	chr13	N/A	3	8.47
Hs.555388	8.60	chr1	N/A	3	28.35
Hs.546018	8.60	chrX	N/A	3	20.17
Hs.539886	8.60	chr14	N/A	3	42.15
Hs.439512	8.60	chr11	N/A	3	66.69
Hs.537571	8.60	chr1	N/A	3	56.84
DEFB110	8.60	chr6	6p12.3	6	45.59
Hs.624255	8.60	chr11	N/A	3	74.48

Hs.662637	8.60	chr2	N/A	7	86.62
USH2A	8.59	chr1	1q41	66	81.89
Hs.30972	8.59	chr11	N/A	13	91.62
LINC00845	8.59	chr10	N/A	15	75.05
Hs.117210	8.59	chr4	N/A	8	86.62
Hs.650842	8.59	chr14	N/A	3	50.59
IZUMO2	8.59	chr19	19q13.33	17	55.19
Hs.116823	8.59	chr5	N/A	3	90.59
LINC00301	8.59	chr11	11q12.2	26	51.50
LOC389023	8.59	chr2	2q14.1	18	76.87
MGC45800	8.59	chr4	4q34.3	34	96.81
Hs.292097	8.59	chr10	N/A	3	103.13
FLJ44385	8.59	chr22	22q13.33	3	25.05
Hs.664810	8.59	chr1	N/A	7	94.93
ZNF695	8.59	chr1	1q44	20	37.83
LOC100127972	8.59	chr19	19q13.12	15	95.49
Hs.663934	8.59	chr1	N/A	1	0.00
OR52N1	8.58	chr11	11p15.4	6	84.56
Hs.738375	8.58	chr5	N/A	3	47.90
RAD21L1	8.58	chr20	20p13	8	170.34
Hs.211559	8.58	chr18	N/A	3	40.22
Hs.262826	8.58	chr18	N/A	11	51.33
Hs.115881	8.58	chr12	N/A	5	44.92
Hs.603884	8.58	chr1	N/A	7	32.94
Hs.622820	8.58	chr9	N/A	3	32.83
Hs.659604	8.58	chr2	N/A	7	74.06
M1AP	8.58	chr2	2p13.1	22	84.51
Hs.542601	8.58	chr21	N/A	3	44.83
Hs.94680	8.58	chr12	N/A	9	68.97
LINC00160	8.58	chr21	21q22.12	3	76.07
SNTG2	8.58	chr2	2p25.3	22	69.58
Hs.560881	8.58	chr2	N/A	17	105.04
Hs.602578	8.57	chr19	N/A	7	83.46
Hs.609053	8.57	chrX	N/A	3	32.66
Hs.665178	8.57	chr5	N/A	2	87.25
Hs.600018	8.57	chr17	N/A	7	35.28
Hs.144312	8.57	chr19	N/A	3	86.06
TAS2R5	8.57	chr7	7q31.3-q32	17	52.83
Hs.539346	8.57	chr12	N/A	3	55.54
Hs.658484	8.57	chr6	N/A	1	0.00
Hs.582136	8.57	chr5	N/A	3	80.51
Hs.657218	8.57	chr5	N/A	7	161.89
Hs.119922	8.57	chr12	N/A	11	109.89
Hs.540226	8.57	chr15	N/A	3	53.18
Hs.577064	8.57	chr13	N/A	4	23.22
Hs.443932	8.57	chr12	N/A	7	67.19
Hs.732763	8.57	chr16	N/A	7	46.95
Hs.566505	8.57	chr6	N/A	3	2.79
EFCAB13	8.57	chr17	17q21.32	28	89.42
Hs.667894	8.57	chr1	N/A	3	39.34
Hs.538036	8.57	chr1	N/A	3	48.24
Hs.503319	8.57	chr11	N/A	5	36.93
Hs.299538	8.57	chr7	N/A	1	0.00
Hs.635012	8.57	chr1	N/A	8	90.46
Hs.570506	8.57	chr22	N/A	3	48.68
Hs.538657	8.57	chr10	N/A	3	55.10
Hs.545461	8.57	chr8	N/A	3	32.02
SHISA2	8.56	chr13	13q12.13	24	71.78
Hs.538681	8.56	chr11	N/A	3	52.40
Hs.736237	8.56	chr2	N/A	5	33.05
Hs.539010	8.56	chr11	N/A	3	34.09
Hs.664002	8.56	chr4	N/A	7	66.83
KRTAP7-1	8.56	chr21	21q22.1	16	76.69
ZNF70	8.56	chr22	22q11.23	26	100.75
Hs.568793	8.56	chr10	N/A	7	52.67
CEACAM8	8.56	chr19	19q13.2	23	42.48

Hs.131636	8.56	chr17	N/A	1	0.00
LOC100506418	8.56	chr17	N/A	28	73.64
Hs.129476	8.56	chr14	N/A	10	127.87
Hs.618756	8.56	chr16	N/A	3	71.86
Hs.542351	8.56	chr20	N/A	3	32.77
KIAA1257	8.56	chr3	3q21.3	21	99.04
Hs.655928	8.56	chr3	N/A	8	39.57
SERPINB13	8.56	chr18	18q21.33	68	80.89
Hs.672073	8.56	chr2	N/A	2	23.99
SPERT	8.55	chr13	13q14.13	18	121.22
Hs.582537	8.55	chr5	N/A	3	52.60
Hs.604085	8.55	chr4	N/A	7	53.50
Hs.128615	8.55	chr1	N/A	10	63.02
Hs.560740	8.55	chr2	N/A	3	29.00
Hs.542939	8.55	chr3	N/A	3	74.99
Hs.565808	8.55	chr22	N/A	3	52.87
C1QL3	8.55	chr10	10p13	18	81.30
Hs.733273	8.55	chr11	N/A	8	88.38
Hs.526959	8.55	chr3	N/A	3	81.73
Hs.566835	8.55	chr8	N/A	3	34.14
Hs.595972	8.55	chr1	N/A	18	75.01
Hs.600396	8.55	chrX	N/A	7	46.41
MDH1B	8.55	chr2	2q33.3	39	83.58
Hs.444493	8.55	chr15	N/A	10	60.33
LOC100506102	8.55	chr5	N/A	8	59.69
RNU12	8.55	chr22	22q13.2	13	46.89
Hs.667207	8.55	chr3	N/A	7	26.72
Hs.741918	8.55	chr12	N/A	1	0.00
Hs.649025	8.55	chr7	N/A	7	48.04
Hs.672849	8.54	chr3	N/A	1	0.00
Hs.723713	8.54	chr19	N/A	2	21.53
Hs.551123	8.54	chr8	N/A	3	14.90
Hs.565900	8.54	chr3	N/A	3	48.71
Hs.594486	8.54	chr7	N/A	21	67.99
SPOCK3	8.54	chr4	4q32.3	30	51.01
Hs.385614	8.54	chr7	N/A	1	0.00
Hs.648834	8.54	chr7	N/A	8	74.10
Hs.525499	8.54	chr14	N/A	1	0.00
Hs.585960	8.54	chr2	N/A	7	47.03
Hs.602630	8.54	chr17	N/A	7	110.90
Hs.183041	8.54	chr1	N/A	20	76.39
Hs.561725	8.54	chr7	N/A	14	67.77
Hs.191841	8.54	chr2	N/A	10	158.13
Hs.563969	8.54	chr1	N/A	3	52.58
Hs.129334	8.54	chrX	N/A	10	39.40
Hs.565878	8.53	chr3	N/A	3	41.20
Hs.552036	8.53	chr22	N/A	7	56.98
Hs.543420	8.53	chr4	N/A	3	37.14
Hs.601083	8.53	chr15	N/A	7	75.80
Hs.596016	8.53	chr3	N/A	7	30.62
Hs.659392	8.53	chr1	N/A	5	119.78
Hs.680548	8.53	chr16	N/A	10	89.19
Hs.98049	8.53	chr5	N/A	3	61.72
Hs.576936	8.53	chr11	N/A	3	61.30
Hs.541975	8.53	chr2	N/A	3	72.97
Hs.544691	8.53	chr6	N/A	3	29.52
Hs.554651	8.53	chr2	N/A	3	45.55
Hs.129464	8.53	chr3	N/A	7	106.10
Hs.27094	8.53	chr15	N/A	3	38.53
Hs.137079	8.53	chr14	N/A	17	69.60
Hs.656719	8.53	chr6	N/A	7	62.94
Hs.712990	8.53	chr2	N/A	5	45.98
ZBED2	8.53	chr3	3q13.2	23	77.94
Hs.538370	8.53	chr10	N/A	3	24.33
GJB6	8.53	chr13	13q12	20	54.80
TUSC7	8.53	chr3	3q13.31	12	80.47

Hs.519819	8.53	chr6	N/A	3	79.77
Hs.432470	8.53	chr6	N/A	3	57.11
FAM95B1	8.52	chr9	9p12	40	95.37
Hs.574785	8.52	chr2	N/A	3	33.81
Hs.28723	8.52	chr11	N/A	8	100.20
Hs.635027	8.52	chr12	N/A	3	39.42
Hs.569114	8.52	chr12	N/A	13	55.77
C9orf135	8.52	chr9	9q21.12	41	61.16
LOC100129406	8.52	chr1	1p13.2	1	0.00
Hs.728330	8.52	chr7	N/A	3	31.18
Hs.561426	8.52	chr5	N/A	5	63.10
Hs.655612	8.52	chr9	N/A	7	52.30
Hs.596169	8.52	chr10	N/A	7	62.35
Hs.570892	8.52	chr5	N/A	3	21.36
LINC00838	8.52	chr10	N/A	1	0.00
Hs.667738	8.52	chr20	N/A	9	64.41
Hs.317399	8.52	chr1	N/A	3	25.09
Hs.520072	8.52	chr6	N/A	7	59.45
HTR5A	8.52	chr7	7q36.1	31	150.67
Hs.561235	8.52	chr4	N/A	3	64.50
PPP4R4	8.52	chr14	14q32.2	51	73.30
Hs.577577	8.52	chr12	N/A	3	55.06
DKK2	8.52	chr4	4q25	41	65.75
Hs.602497	8.52	chr21	N/A	1	0.00
Hs.98273	8.51	chr6	N/A	3	70.60
Hs.633120	8.51	chr18	N/A	7	123.92
EFHB	8.51	chr3	3p24.3	41	50.53
Hs.729246	8.51	chr10	N/A	1	0.00
Hs.147633	8.51	chr5	N/A	3	72.45
Hs.660187	8.51	chr18	N/A	7	93.73
Hs.603778	8.51	chr9	N/A	13	49.69
Hs.543749	8.51	chr4	N/A	5	64.19
Hs.572521	8.51	chr18	N/A	3	33.55
Hs.55366	8.51	chr20	N/A	3	26.10
Hs.545611	8.51	chr9	N/A	3	83.30
Hs.583569	8.51	chr8	N/A	3	100.88
TMPRSS12	8.51	chr12	12q13.12	34	78.72
Hs.21600	8.51	chr1	N/A	18	68.48
LOC100132240	8.51	chr1	1p22.1	11	59.38
LOC100505491	8.51	chr4	N/A	15	61.20
Hs.579452	8.51	chr18	N/A	3	14.59
LOC100996338	8.51	chr16	N/A	3	87.42
Hs.522019	8.51	chr9	N/A	8	46.22
Hs.635173	8.50	chr2	N/A	1	0.00
Hs.659490	8.50	chr4	N/A	7	61.12
Hs.133050	8.50	chr2	N/A	17	40.80
Hs.170605	8.50	chr4	N/A	3	77.76
Hs.592777	8.50	chr18	N/A	11	52.10
Hs.578069	8.50	chr13	N/A	3	54.46
Hs.667176	8.50	chr2	N/A	2	52.79
GRIN3B	8.50	chr19	19p13.3	16	77.85
NDST3	8.50	chr4	4q26	28	91.10
Hs.564038	8.50	chr10	N/A	3	49.26
Hs.446286	8.50	chr17	N/A	18	75.27
Hs.595825	8.50	chr6	N/A	7	81.94
Hs.58429	8.50	chr8	N/A	21	99.93
FLJ42102	8.50	chr11	11q13.4	10	76.52
Hs.545334	8.50	chr8	N/A	3	63.17
ERVFC1-1	8.50	chr7	7q36.2	5	49.08
Hs.414467	8.50	chr7	N/A	9	52.38
CCDC103	8.50	chr17	17q21.31	21	77.35
Hs.540972	8.50	chr18	N/A	3	27.35
LINC00651	8.50	chr20	20q13	3	17.16
CYB5RL	8.49	chr1	1p32.3	45	72.14
Hs.125957	8.49	chr5	N/A	10	34.21
Hs.602586	8.49	chr12	N/A	7	58.84

Hs.582033	8.49	chr4	N/A	3	59.42
Hs.469510	8.49	chr2	N/A	3	48.98
Hs.658703	8.49	chr13	N/A	10	151.49
Hs.675441	8.49	chr1	N/A	15	40.95
Hs.553019	8.49	chr2	N/A	14	40.59
Hs.179724	8.49	chr1	N/A	11	60.03
ARL5C	8.49	chr17	17q12	3	73.21
Hs.647049	8.49	chr7	N/A	2	38.17
Hs.572057	8.49	chr11	N/A	5	46.02
Hs.629844	8.49	chr3	N/A	3	83.76
Hs.551220	8.49	chr17	N/A	3	44.30
Hs.120542	8.49	chr11	N/A	3	60.31
Hs.538136	8.49	chr1	N/A	14	59.89
Hs.125496	8.49	chr9	N/A	3	50.06
Hs.594659	8.49	chr14	N/A	3	76.61
Hs.713860	8.49	chr15	N/A	17	38.62
Hs.696579	8.49	chr2	N/A	1	0.00
Hs.724786	8.49	chr12	N/A	7	63.31
NT5C1B	8.48	chr2	2p24.2	33	170.95
Hs.733633	8.48	chr13	N/A	7	34.57
ZBTB37	8.48	chr1	1q25.1	22	75.08
Hs.667391	8.48	chr3	N/A	18	53.35
ATOH1	8.48	chr4	4q22	21	107.66
Hs.593836	8.48	chr3	N/A	7	94.93
Hs.297353	8.48	chr7	N/A	3	70.07
HOXA13	8.48	chr7	7p15.2	43	111.72
Hs.540615	8.48	chr16	N/A	3	46.74
LOC100505532	8.48	chr8	N/A	3	53.67
Hs.632493	8.48	chr1	N/A	7	74.96
Hs.660311	8.48	chr10	N/A	3	57.39
Hs.543131	8.48	chr3	N/A	3	29.67
Hs.444208	8.48	chr5	N/A	7	37.28
LOC440981	8.48	chr3	3q24	11	42.52
Hs.571519	8.48	chr8	N/A	3	54.54
Hs.667840	8.48	chr2	N/A	7	63.34
Hs.603431	8.48	chr10	N/A	7	61.09
Hs.714894	8.48	chr12	N/A	6	50.55
Hs.579316	8.48	chr17	N/A	3	87.40
Hs.735718	8.48	chr18	N/A	3	24.88
ZNF729	8.48	chr19	19p12	2	3.25
Hs.561962	8.48	chr9	N/A	3	53.98
Hs.580842	8.47	chr21	N/A	3	93.44
Hs.722225	8.47	chr7	N/A	3	26.03
Hs.595652	8.47	chr4	N/A	7	83.71
Hs.565744	8.47	chr21	N/A	3	54.69
Hs.656042	8.47	chr20	N/A	14	80.65
Hs.636709	8.47	chr1	N/A	1	0.00
HPSE2	8.47	chr10	10q23-q24	41	96.61
Hs.544338	8.47	chr6	N/A	3	91.41
Hs.667532	8.47	chr17	N/A	3	18.15
Hs.539250	8.47	chr12	N/A	3	44.07
DUPD1	8.47	chr10	10q22.2	5	50.92
OR5AC2	8.47	chr3	3q12.1	3	40.20
Hs.595512	8.47	chr3	N/A	7	18.94
Hs.170426	8.47	chr2	N/A	3	100.43
Hs.655752	8.47	chr3	N/A	7	55.82
Hs.570941	8.47	chr5	N/A	3	25.12
Hs.574086	8.47	chr12	N/A	3	99.27
Hs.128017	8.47	chr16	N/A	2	81.35
Hs.130470	8.47	chr8	N/A	7	110.64
LACRT	8.46	chr12	12q13	19	144.97
CERS3	8.46	chr15	15q26.3	27	119.33
Hs.585744	8.46	chr16	N/A	2	46.44
Hs.147030	8.46	chr3	N/A	11	50.25
Hs.664788	8.46	chr15	N/A	7	103.36
Hs.738278	8.46	chr6	N/A	3	18.88

WIF1	8.46	chr12	12q14.3	47	75.35
Hs.596067	8.46	chr20	N/A	1	0.00
Hs.605355	8.46	chr1	N/A	3	33.96
NCR1	8.46	chr19	19q13.42	34	74.74
Hs.562928	8.46	chr2	N/A	3	99.16
Hs.580382	8.46	chr2	N/A	3	69.42
Hs.146343	8.46	chr17	N/A	6	28.05
LINC00649	8.46	chr21	N/A	9	73.90
Hs.543331	8.46	chr4	N/A	7	59.36
ABCG8	8.46	chr2	2p21	24	85.62
LINGO2	8.45	chr9	9p21.2	26	71.10
Hs.633695	8.45	chr17	N/A	4	12.69
Hs.543985	8.45	chr5	N/A	3	60.77
DEFB109	8.45	chr8	8p23.1	3	65.22
Hs.652640	8.45	chr2	N/A	17	46.46
MMP12	8.45	chr11	11q22.3	38	68.47
HFM1	8.45	chr1	1p22.2	25	70.05
Hs.583392	8.45	chr7	N/A	3	31.22
Hs.566652	8.45	chr7	N/A	3	62.53
LINC00487	8.44	chr2	2p25.2	11	43.45
Hs.538013	8.44	chr1	N/A	3	57.62
Hs.544966	8.44	chr7	N/A	3	66.94
Hs.147320	8.44	chr15	N/A	2	59.90
Hs.660284	8.44	chr2	N/A	7	52.39
Hs.712883	8.44	chr8	N/A	10	19.44
Hs.97494	8.44	chr13	N/A	3	66.18
Hs.541159	8.44	chr18	N/A	3	75.96
KRT34	8.44	chr17	17q21.2	30	56.45
Hs.542988	8.44	chr3	N/A	3	25.11
DEFB126	8.44	chr20	20p13	39	69.76
Hs.493159	8.44	chr8	N/A	8	55.77
Hs.333862	8.44	chr3	N/A	3	60.68
Hs.436316	8.44	chr1	N/A	3	19.61
Hs.659617	8.44	chr2	N/A	7	49.59
Hs.201549	8.44	chr3	N/A	3	41.83
IL12B	8.44	chr5	5q31.1-q33.1	23	106.10
Hs.591658	8.44	chr3	N/A	13	38.60
Hs.550287	8.44	chr12	N/A	3	73.63
Hs.656891	8.44	chr2	N/A	6	38.99
Hs.734595	8.44	chr3	N/A	1	0.00
Hs.540329	8.44	chr15	N/A	3	31.83
LOC100507254	8.44	chr6	N/A	36	72.04
SLC35D3	8.44	chr6	6q23.3	26	103.83
Hs.581789	8.44	chr4	N/A	3	37.44
MIPOL1	8.44	chr14	14q13.3	21	59.50
LINC00582	8.44	chr1	1q42.2	22	80.08
Hs.595640	8.44	chr5	N/A	7	33.87
Hs.46932	8.44	chr16	N/A	8	83.04
Hs.561624	8.44	chr6	N/A	3	12.39
Hs.677093	8.44	chr3	N/A	19	87.43
Hs.567045	8.44	chr9	N/A	3	22.23
Hs.537638	8.44	chr1	N/A	3	108.79
DBF4	8.43	chr7	7q21.3	131	85.13
Hs.575234	8.43	chr5	N/A	10	59.39
Hs.504876	8.43	chr12	N/A	3	69.58
Hs.600583	8.43	chr14	N/A	7	64.88
Hs.571080	8.43	chr6	N/A	7	137.36
Hs.547525	8.43	chr15	N/A	3	49.72
Hs.666381	8.43	chr17	N/A	3	40.61
Hs.656336	8.43	chr2	N/A	1	0.00
OR2G2	8.43	chr1	1q44	5	69.99
Hs.610575	8.43	chr15	N/A	2	92.27
Hs.83259	8.43	chr6	N/A	3	45.62
Hs.561508	8.43	chr6	N/A	3	35.46
Hs.571051	8.43	chr6	N/A	3	64.67
Hs.246509	8.43	chr1	N/A	3	43.77

ENKUR	8.43	chr10	10p12.1	32	109.35
Hs.634619	8.43	chr22	N/A	8	64.96
Hs.539446	8.43	chr12	N/A	3	50.59
Hs.545260	8.43	chr8	N/A	3	27.13
Hs.572795	8.43	chr2	N/A	4	79.06
Hs.231535	8.42	chr7	N/A	7	61.59
Hs.538562	8.42	chr10	N/A	3	49.51
Hs.566169	8.42	chr4	N/A	3	29.85
Hs.535027	8.42	chr7	N/A	2	33.28
Hs.636845	8.42	chr17	N/A	10	61.35
Hs.61151	8.42	chr10	N/A	3	75.72
Hs.734370	8.42	chr1	N/A	2	26.33
COL25A1	8.42	chr4	4q25	45	155.57
Hs.411419	8.42	chr17	N/A	7	63.90
Hs.128586	8.42	chr7	N/A	5	58.95
Hs.174934	8.42	chr15	N/A	11	75.02
Hs.658733	8.42	chr20	N/A	1	0.00
BPESC1	8.42	chr3	3q23	17	94.37
Hs.32951	8.42	chr11	N/A	7	59.99
Hs.538559	8.42	chr10	N/A	3	70.02
Hs.133444	8.42	chr10	N/A	20	55.32
LOC100130428	8.41	chr11	11q24.2	18	24.08
Hs.575377	8.41	chr6	N/A	1	0.00
Hs.537103	8.41	chr10	N/A	3	96.17
LOC100505739	8.41	chr8	N/A	7	92.93
Hs.405849	8.41	chr20	N/A	11	99.00
Hs.657113	8.41	chr2	N/A	7	92.68
Hs.680130	8.41	chr7	N/A	1	0.00
OR2L2	8.41	chr1	1q44	9	81.34
Hs.539293	8.41	chr12	N/A	3	54.68
Hs.576091	8.41	chr1	N/A	3	40.80
Hs.560456	8.40	chr16	N/A	18	100.44
Hs.663951	8.40	chr1	N/A	8	76.00
Hs.650387	8.40	chr2	N/A	3	68.62
LINC00332	8.40	chr13	N/A	3	46.30
Hs.560894	8.40	chr2	N/A	3	52.01
Hs.660508	8.40	chr4	N/A	8	59.48
Hs.659499	8.40	chrX	N/A	8	49.96
Hs.675332	8.40	chr8	N/A	10	57.79
Hs.523580	8.40	chr11	N/A	6	92.51
Hs.120128	8.40	chr7	N/A	7	42.60
Hs.69658	8.40	chr4	N/A	7	86.68
Hs.538883	8.40	chr11	N/A	3	50.58
Hs.579434	8.40	chr18	N/A	3	28.02
Hs.575906	8.40	chr1	N/A	3	98.01
Hs.464563	8.40	chr18	N/A	7	73.47
Hs.565315	8.40	chr2	N/A	3	58.02
Hs.668681	8.40	chrX	N/A	1	0.00
Hs.594209	8.40	chr5	N/A	7	60.46
Hs.562106	8.40	chr1	N/A	3	75.39
Hs.250340	8.39	chr13	N/A	3	92.63
Hs.580142	8.39	chr2	N/A	3	87.14
Hs.403715	8.39	chr5	N/A	1	0.00
Hs.539659	8.39	chr13	N/A	3	81.84
FOXI3	8.39	chr2	2p11.2	2	25.90
GINS4	8.39	chr8	8p11.21	36	83.62
LOC100507364	8.39	chr9	N/A	3	53.64
Hs.212709	8.39	chr7	N/A	1	0.00
Hs.128845	8.39	chr13	N/A	10	61.07
Hs.714870	8.39	chr5	N/A	8	61.77
Hs.170964	8.39	chr1	N/A	3	53.65
SLC18A2	8.39	chr10	10q25	29	49.91
Hs.435027	8.39	chr7	N/A	1	0.00
Hs.567944	8.39	chr1	N/A	7	36.17
Hs.194152	8.39	chr4	N/A	8	57.60
Hs.668750	8.39	chr9	N/A	3	77.52

Hs.668329	8.39	chr1	N/A	7	106.40
Hs.604341	8.39	chr2	N/A	7	109.70
FLJ40453	8.39	chr5	5q35.1	16	75.35
LOC286094	8.39	chr8	8q24.22	3	49.27
Hs.659017	8.39	chr10	N/A	1	0.00
Hs.734096	8.39	chr12	N/A	18	120.56
Hs.666409	8.39	chr15	N/A	14	78.18
Hs.595971	8.39	chr21	N/A	5	64.53
Hs.561553	8.38	chr6	N/A	3	60.73
Hs.738225	8.38	chr2	N/A	3	37.75
Hs.596857	8.38	chr1	N/A	8	52.85
ZNF295-AS1	8.38	chr21	21q22.3	19	56.05
MS4A3	8.38	chr11	11q12.1	30	100.24
Hs.538108	8.38	chr1	N/A	3	9.41
Hs.636039	8.38	chr1	N/A	3	31.88
Hs.565641	8.38	chr20	N/A	3	54.94
OR2W1	8.38	chr6	6p22.1	21	70.31
Hs.125614	8.38	chr1	N/A	3	105.53
Hs.551291	8.38	chr10	N/A	3	45.87
PLSCR5	8.38	chr3	3q24	3	69.16
Hs.533945	8.38	chr20	N/A	3	42.36
Hs.196073	8.38	chr3	N/A	4	40.32
Hs.543191	8.38	chr3	N/A	3	55.61
SDR9C7	8.38	chr12	12q13.3	32	50.29
Hs.729492	8.38	chr1	N/A	8	86.14
ADIG	8.38	chr20	20q11.23	18	47.58
Hs.212086	8.38	chr14	N/A	3	90.33
LINC00320	8.38	chr21	21q21.1	11	80.42
Hs.576651	8.38	chr10	N/A	3	25.66
Hs.551433	8.37	chr2	N/A	3	80.82
Hs.159594	8.37	chr7	N/A	3	16.89
Hs.666447	8.37	chr1	N/A	11	51.98
Hs.666660	8.37	chr13	N/A	7	120.54
NFKBID	8.37	chr19	19q13.12	30	62.56
Hs.229128	8.37	chr1	N/A	7	54.18
Hs.581847	8.37	chr4	N/A	3	8.87
Hs.565707	8.37	chr20	N/A	3	51.62
Hs.656851	8.37	chr11	N/A	9	41.42
Hs.149702	8.37	chr19	N/A	7	36.05
Hs.666935	8.37	chr6	N/A	1	0.00
Hs.664781	8.37	chr15	N/A	8	70.79
Hs.673799	8.36	chr2	N/A	1	0.00
LOC100132984	8.36	chrX	Xp11.22	7	63.85
Hs.128892	8.36	chr6	N/A	5	54.61
Hs.508690	8.36	chr13	N/A	4	8.97
Hs.655078	8.36	chr3	N/A	18	51.53
Hs.666238	8.36	chr14	N/A	2	44.89
GPR82	8.36	chrX	Xp11.4	22	52.30
CLEC17A	8.36	chr19	19p13.12	6	51.07
Hs.539371	8.36	chr12	N/A	3	27.72
SNORA78	8.36	chr16	16p13.3	1	0.00
Hs.125420	8.36	chr16	N/A	3	66.86
NDC80	8.36	chr18	18p11.32	38	112.54
DACH2	8.36	chrX	Xq21.3	32	75.99
ZYG11A	8.36	chr1	1p32.3	20	86.32
Hs.614849	8.36	chr8	N/A	1	0.00
Hs.667415	8.36	chr10	N/A	3	60.76
C21orf91-OT1	8.36	chr21	21q21.1	19	76.80
Hs.602807	8.36	chr15	N/A	7	43.34
Hs.252516	8.36	chr4	N/A	7	49.64
ST8SIA6-AS1	8.36	chr10	10p12.33	17	87.17
Hs.515297	8.36	chr18	N/A	3	73.70
Hs.529589	8.36	chr3	N/A	5	28.28
Hs.407573	8.36	chr2	N/A	1	0.00
Hs.667507	8.35	chr18	N/A	2	17.14
Hs.678621	8.35	chr6	N/A	1	0.00

Hs.583359	8.35	chr7	N/A	3	70.26
Hs.613959	8.35	chr5	N/A	4	38.46
RUNX1-IT1	8.35	chr21	21q22.12	15	24.94
Hs.538971	8.35	chr11	N/A	3	23.29
Hs.658771	8.35	chr4	N/A	7	55.46
Hs.124331	8.35	chr4	N/A	17	64.49
Hs.536920	8.35	chr5	N/A	1	0.00
Hs.570161	8.35	chr2	N/A	2	75.53
Hs.652370	8.35	chr6	N/A	1	0.00
TAL2	8.35	chr9	9q32	18	65.12
Hs.711188	8.35	chr7	N/A	2	65.60
LOC100507530	8.35	chr8	8p23.1	16	96.06
Hs.720618	8.35	chr5	N/A	10	81.11
Hs.468280	8.35	chr2	N/A	8	63.32
Hs.435128	8.35	chr6	N/A	5	43.89
LINC00305	8.35	chr18	18q22.1	17	171.32
Hs.602188	8.35	chr11	N/A	7	73.25
Hs.46689	8.34	chr10	N/A	17	52.11
Hs.524137	8.34	chr11	N/A	3	66.42
Hs.540902	8.34	chr17	N/A	3	43.75
CHD5	8.34	chr1	1p36.31	42	94.53
Hs.667078	8.34	chr5	N/A	2	36.52
LINC00035	8.34	chr7	7q11.23	3	24.79
Hs.573374	8.34	chr7	N/A	3	21.55
Hs.523912	8.34	chr1	N/A	10	52.99
ABHD12B	8.34	chr14	14q22.1	31	83.92
Hs.664087	8.34	chr3	N/A	9	95.76
Hs.664436	8.34	chr14	N/A	7	39.43
Hs.147730	8.34	chr6	N/A	5	60.75
Hs.583979	8.34	chr8	N/A	3	41.94
Hs.665900	8.34	chr6	N/A	3	37.93
Hs.738383	8.34	chr11	N/A	3	25.49
Hs.506540	8.34	chr3	N/A	3	54.07
Hs.498463	8.33	chr15	N/A	7	60.78
Hs.569458	8.33	chr15	N/A	19	71.61
Hs.600291	8.33	chr17	N/A	7	62.10
Hs.553365	8.33	chr15	N/A	3	59.90
Hs.40918	8.33	chr4	N/A	3	45.75
Hs.673066	8.33	chr11	N/A	1	0.00
BSN-AS2	8.33	chr3	3p21.31	18	93.22
ARL6	8.33	chr3	3q11.2	43	57.89
Hs.576851	8.33	chr10	N/A	3	25.86
Hs.598812	8.33	chr5	N/A	1	0.00
CAPN14	8.33	chr2	2p23.1-p21	23	96.60
Hs.667472	8.33	chr17	N/A	7	22.78
LINC00853	8.33	chr1	N/A	11	37.57
Hs.732955	8.33	chr20	N/A	14	46.56
Hs.516049	8.33	chr2	N/A	3	61.27
Hs.634480	8.33	chr9	N/A	7	54.16
Hs.675375	8.33	chr8	N/A	1	0.00
BZRAP1-AS1	8.33	chr17	N/A	16	70.97
TTY20	8.32	chrY	Yp11.2	13	36.75
Hs.643039	8.32	chr20	N/A	7	49.30
LY6G5B	8.32	chr6	6p21.3	17	44.50
Hs.663991	8.32	chr21	N/A	10	78.01
Hs.422318	8.32	chr19	N/A	11	47.80
Hs.380543	8.32	chr2	N/A	3	52.90
Hs.543556	8.32	chr4	N/A	3	13.86
Hs.519234	8.32	chr5	N/A	3	19.24
Hs.632934	8.32	chr11	N/A	1	0.00
TDRD5	8.32	chr1	1q25.2	20	209.92
Hs.691398	8.32	chr4	N/A	11	220.92
Hs.552199	8.32	chr10	N/A	3	61.76
Hs.553535	8.32	chr1	N/A	1	0.00
Hs.525530	8.32	chr14	N/A	3	21.73
MGC39545	8.32	chr11	11q24.2	17	93.29

Hs.571898	8.32	chr1	N/A	7	50.42
Hs.664847	8.31	chr2	N/A	7	67.04
Hs.130443	8.31	chr1	N/A	7	64.18
LOC729973	8.31	chr1	1p36.11	3	83.56
LOC389332	8.31	chr5	5q31.1	32	69.93
Hs.603630	8.31	chr10	N/A	2	19.05
Hs.147851	8.31	chr4	N/A	7	64.13
SCAND3	8.31	chr6	6p22.1	48	84.63
Hs.545086	8.31	chr7	N/A	3	20.63
Hs.668520	8.31	chr1	N/A	7	79.19
CATSPERD	8.31	chr19	19p13.3	29	100.18
Hs.662475	8.31	chr1	N/A	7	70.68
Hs.147218	8.31	chr22	N/A	7	58.82
PCDHB10	8.31	chr5	5q31	20	52.11
Hs.188630	8.31	chr15	N/A	10	60.82
Hs.212226	8.31	chr10	N/A	11	48.48
Hs.545814	8.31	chr9	N/A	2	1.53
Hs.671927	8.31	chr7	N/A	1	0.00
Hs.599805	8.30	chr7	N/A	7	71.26
Hs.116770	8.30	chr18	N/A	14	52.77
NOG	8.30	chr17	17q22	17	43.43
KRTAP20-1	8.30	chr21	21q22.1	6	23.61
Hs.543757	8.30	chr4	N/A	3	31.00
Hs.655725	8.30	chr12	N/A	7	55.94
Hs.576874	8.30	chr10	N/A	3	72.18
Hs.539806	8.30	chr13	N/A	3	37.74
KRT73	8.30	chr12	12q13.3	27	71.42
Hs.445343	8.30	chr4	N/A	11	54.48
Hs.70821	8.30	chr15	N/A	8	76.51
Hs.738333	8.30	chr8	N/A	3	87.01
Hs.604180	8.30	chrX	N/A	2	66.88
LOC100506834	8.30	chr9	N/A	2	36.51
MROH5	8.30	chr8	8q24.3	27	41.02
LOC100287049	8.30	chr1	1q23.2	7	58.21
Hs.656287	8.30	chr2	N/A	11	192.08
Hs.540666	8.30	chr16	N/A	3	22.75
Hs.579870	8.29	chr19	N/A	3	46.82
Hs.662542	8.29	chr8	N/A	1	0.00
Hs.720761	8.29	chr8	N/A	14	48.30
Hs.566065	8.29	chr4	N/A	7	39.76
Hs.540798	8.29	chr17	N/A	3	11.77
Hs.521034	8.29	chr8	N/A	11	53.77
Hs.144713	8.29	chr1	N/A	7	67.01
TTPA	8.29	chr8	8q12.3	26	99.96
Hs.603494	8.29	chr2	N/A	3	26.22
Hs.554329	8.29	chr8	N/A	3	53.58
LOC100506406	8.29	chr5	N/A	21	79.97
Hs.660068	8.29	chr5	N/A	7	53.44
Hs.663728	8.29	chr2	N/A	7	77.95
Hs.662322	8.29	chr16	N/A	7	55.71
Hs.386207	8.29	chr4	N/A	5	46.70
KDM4D	8.29	chr11	11q21	22	71.66
Hs.650622	8.29	chr5	N/A	3	51.85
Hs.662624	8.29	chr8	N/A	2	80.24
Hs.146447	8.29	chr15	N/A	10	36.77
Hs.564211	8.29	chr11	N/A	3	56.80
Hs.567271	8.29	chr1	N/A	12	22.81
Hs.701217	8.29	chr6	N/A	7	29.81
RAD21-AS1	8.29	chr8	8q24.11	1	0.00
GPR87	8.29	chr3	3q24	28	86.15
Hs.666074	8.29	chr8	N/A	7	69.80
Hs.542227	8.29	chr2	N/A	10	43.01
Hs.602206	8.29	chr2	N/A	3	52.66
Hs.22543	8.28	chr15	N/A	7	57.81
Hs.669929	8.28	chr11	N/A	1	0.00
Hs.323090	8.28	chr3	N/A	7	92.62

Hs.715932	8.28	chr10	N/A	5	27.87
Hs.666059	8.28	chr18	N/A	7	44.87
Hs.603964	8.28	chr5	N/A	7	93.34
Hs.543277	8.28	chr3	N/A	3	39.06
Hs.132416	8.28	chr3	N/A	5	97.57
Hs.553920	8.28	chr19	N/A	1	0.00
Hs.128107	8.28	chr2	N/A	13	57.65
LOC100506571	8.28	chr1	N/A	5	38.56
Hs.667266	8.28	chr3	N/A	3	55.42
Hs.688057	8.28	chr3	N/A	7	108.69
Hs.669769	8.28	chr1	N/A	1	0.00
Hs.579593	8.28	chr19	N/A	3	25.92
LOC100506563	8.28	chr2	N/A	1	0.00
Hs.562122	8.28	chr1	N/A	13	105.24
Hs.733297	8.28	chr9	N/A	7	58.30
Hs.519391	8.27	chr5	N/A	5	43.82
LOC283194	8.27	chr11	11q12.2	1	0.00
Hs.659602	8.27	chr2	N/A	7	63.98
Hs.576872	8.27	chr10	N/A	3	39.66
LOC440386	8.27	chr16	16q23.1	3	66.74
Hs.719384	8.27	chr16	N/A	1	0.00
Hs.582647	8.27	chr6	N/A	3	47.03
Hs.224874	8.27	chr17	N/A	3	36.26
Hs.528219	8.27	chr5	N/A	3	47.15
C1orf127	8.27	chr1	1p36.22	17	53.95
Hs.557833	8.27	chr1	N/A	3	44.25
Hs.542778	8.27	chr22	N/A	3	41.93
Hs.655820	8.27	chr15	N/A	11	156.57
Hs.540910	8.27	chr17	N/A	6	64.44
Hs.538983	8.27	chr11	N/A	3	81.67
Hs.581674	8.27	chr4	N/A	3	20.37
Hs.526898	8.27	chr21	N/A	3	52.09
Hs.436104	8.27	chr2	N/A	4	77.40
Hs.666740	8.27	chr20	N/A	3	72.30
Hs.428370	8.27	chr17	N/A	3	49.51
Hs.553158	8.27	chr8	N/A	3	25.85
Hs.541187	8.27	chr19	N/A	3	41.22
Hs.737718	8.27	chr9	N/A	3	43.78
Hs.667274	8.26	chr13	N/A	7	34.11
TREML4	8.26	chr6	6p21.1	19	109.02
Hs.573784	8.26	chr1	N/A	7	46.99
Hs.195372	8.26	chr5	N/A	3	50.00
Hs.664979	8.26	chr6	N/A	1	0.00
Hs.669514	8.26	chrX	N/A	1	0.00
Hs.565178	8.26	chr18	N/A	3	28.89
Hs.604461	8.26	chr12	N/A	7	51.94
LOC100507435	8.26	chr8	N/A	11	63.49
Hs.126651	8.26	chr3	N/A	5	75.29
Hs.723389	8.26	chr4	N/A	2	1.39
Hs.666391	8.26	chr2	N/A	7	61.24
Hs.132048	8.26	chr1	N/A	13	79.99
FAM187B	8.26	chr19	19q13.12	19	41.29
PARP15	8.26	chr3	3q21.1	15	56.67
Hs.131643	8.26	chr14	N/A	5	43.76
NEU2	8.25	chr2	2q37	21	55.87
Hs.596941	8.25	chr11	N/A	7	58.89
SNORD116-2	8.25	chr15	15q11.2	3	83.26
Hs.255277	8.25	chr20	N/A	4	87.54
Hs.663849	8.25	chr16	N/A	10	103.40
TFAP2C	8.25	chr20	20q13.2	41	69.54
Hs.659787	8.25	chr2	N/A	8	48.10
Hs.601878	8.25	chr13	N/A	2	40.53
Hs.719775	8.25	chr6	N/A	8	13.70
Hs.633712	8.25	chr22	N/A	8	47.77
SLC25A52	8.25	chr18	18q12.1	16	33.28
Hs.368026	8.25	chr4	N/A	3	10.08

Hs.655823	8.25	chr14	N/A	1	0.00
PLEK2	8.25	chr14	14q23.3	28	87.69
Hs.603704	8.25	chr8	N/A	2	51.42
LOC100505903	8.25	chr6	N/A	3	57.73
Hs.594911	8.25	chr3	N/A	1	0.00
Hs.666378	8.25	chr2	N/A	3	53.41
Hs.741938	8.25	chr5	N/A	4	61.01
Hs.71947	8.25	chr6	N/A	14	113.25
Hs.551550	8.25	chr9	N/A	7	64.92
Hs.662710	8.25	chr18	N/A	15	71.00
LINC00314	8.25	chr21	21q21.3	17	119.10
Hs.565080	8.25	chr17	N/A	5	59.09
Hs.657142	8.25	chr5	N/A	7	43.49
KLHL38	8.25	chr8	8q24.13	8	60.10
Hs.543461	8.25	chr4	N/A	6	48.88
Hs.666128	8.24	chr13	N/A	10	51.11
Hs.542478	8.24	chr20	N/A	3	55.35
Hs.537966	8.24	chr1	N/A	3	52.03
Hs.545542	8.24	chr8	N/A	3	76.60
CTXN2	8.24	chr15	15q21.1	10	26.90
Hs.554347	8.24	chr9	N/A	3	18.79
OR2T29	8.24	chr1	1q44	3	43.62
LINC00229	8.24	chr22	22q13.3	10	61.78
Hs.661160	8.24	chr9	N/A	7	72.41
Hs.642509	8.24	chr19	N/A	3	63.22
Hs.112720	8.24	chr18	N/A	20	108.62
LOC401442	8.24	chr8	8p23.3	4	86.52
Hs.700830	8.23	chr4	N/A	1	0.00
KCNA6	8.23	chr12	12p13	22	48.11
Hs.576531	8.23	chr1	N/A	3	67.01
Hs.563852	8.23	chr1	N/A	3	66.81
Hs.688481	8.23	chr10	N/A	21	73.56
LOC100996654	8.23	chr7	N/A	6	32.33
KIAA1524	8.23	chr3	3q13.13	35	89.89
Hs.545832	8.23	chr9	N/A	3	89.36
Hs.134656	8.23	chr19	N/A	3	43.26
LOC728637	8.23	chr5	5q31.1	3	19.13
Hs.44939	8.23	chr10	N/A	2	23.78
Hs.626072	8.23	chr2	N/A	3	14.51
Hs.614469	8.23	chr4	N/A	3	52.27
Hs.602491	8.23	chr2	N/A	7	25.24
SYCE3	8.23	chr22	22q13.33	3	8.62
Hs.656401	8.23	chr7	N/A	1	0.00
Hs.117030	8.23	chr8	N/A	7	44.91
Hs.634599	8.23	chr9	N/A	10	56.78
Hs.564556	8.23	chr13	N/A	3	24.19
Hs.564642	8.23	chr14	N/A	3	55.89
C3orf36	8.22	chr3	3q22.1	21	104.09
DEFB134	8.22	chr8	8p23.1	3	58.54
Hs.566693	8.22	chr7	N/A	3	33.59
Hs.539326	8.22	chr12	N/A	10	94.76
Hs.303847	8.22	chr6	N/A	3	33.73
Hs.633241	8.22	chr13	N/A	8	108.11
Hs.598283	8.22	chr10	N/A	3	43.46
Hs.599678	8.22	chr2	N/A	7	45.37
Hs.101433	8.22	chr2	N/A	10	71.28
NREP-AS1	8.22	chr5	N/A	3	50.19
Hs.223269	8.22	chr13	N/A	3	39.02
Hs.155736	8.22	chr1	N/A	21	102.79
Hs.542469	8.22	chr20	N/A	5	77.12
SERPINE3	8.22	chr13	13q14.3	2	12.52
TEX33	8.22	chr22	22q12.3	31	126.78
Hs.601008	8.22	chr8	N/A	7	73.73
SLC22A16	8.22	chr6	6q21-q22.1	42	91.45
Hs.735885	8.22	chr3	N/A	3	41.58
Hs.513672	8.22	chr16	N/A	15	44.89

Hs.668319	8.22	chr13	N/A	7	23.25
CCDC79	8.22	chr16	16q22.1	9	101.34
Hs.292604	8.22	chr11	N/A	3	63.51
Hs.128188	8.22	chr5	N/A	3	39.73
Hs.730829	8.22	chr12	N/A	4	28.57
SLC9C2	8.22	chr1	1q25.1	30	57.29
MTNR1B	8.21	chr11	11q21-q22	23	101.15
Hs.221373	8.21	chr15	N/A	3	27.98
Hs.577286	8.21	chr11	N/A	3	46.04
LOC100130238	8.21	chr12	12q24.33	3	23.82
Hs.602149	8.21	chr13	N/A	7	67.72
BPIFC	8.21	chr22	22q12.3	20	51.34
ABCA13	8.21	chr7	7p12.3	37	88.78
OR4D5	8.21	chr11	11q24.1	18	34.12
Hs.538083	8.21	chr1	N/A	5	27.65
Hs.566966	8.21	chr9	N/A	3	67.67
Hs.632798	8.21	chrX	N/A	7	34.59
Hs.551493	8.21	chr11	N/A	7	75.91
Hs.667758	8.21	chr5	N/A	7	109.33
Hs.665536	8.21	chr2	N/A	1	0.00
ENTHD1	8.21	chr22	22q13.1	25	224.50
Hs.582529	8.21	chr5	N/A	3	31.93
Hs.671974	8.21	chr6	N/A	1	0.00
TMEM225	8.21	chr11	11q24.1	24	65.25
Hs.252746	8.20	chr6	N/A	3	54.89
Hs.409274	8.20	chr4	N/A	3	94.26
Hs.404608	8.20	chr4	N/A	3	29.63
Hs.565437	8.20	chr2	N/A	3	57.58
Hs.667665	8.20	chr1	N/A	3	39.31
Hs.564129	8.20	chr10	N/A	3	78.18
Hs.603790	8.20	chr10	N/A	2	26.01
Hs.127503	8.20	chr7	N/A	10	94.66
LOC100130219	8.20	chr12	12p13.33	2	90.61
Hs.542369	8.20	chr20	N/A	3	81.22
Hs.154593	8.20	chr19	N/A	5	80.23
Hs.130971	8.20	chr2	N/A	10	64.85
Hs.624845	8.20	chr2	N/A	15	81.20
LOC649324	8.20	chr1	1p36.21	3	48.51
Hs.661481	8.20	chr7	N/A	15	65.42
LOC100507073	8.20	chr2	N/A	11	106.05
SYT14L	8.20	chr4	4q13.2	22	82.92
Hs.301956	8.20	chr3	N/A	1	0.00
Hs.596262	8.19	chr6	N/A	7	76.87
Hs.603242	8.19	chr12	N/A	2	36.80
Hs.657002	8.19	chr19	N/A	5	72.65
Hs.666963	8.19	chr10	N/A	7	61.83
Hs.566288	8.19	chr5	N/A	3	33.96
PLAC8L1	8.19	chr5	5q32	11	51.32
LOC440084	8.19	chr12	12p13.2	2	20.61
VTCN1	8.19	chr1	1p13.1	28	128.50
Hs.636976	8.19	chr1	N/A	1	0.00
Hs.579262	8.19	chr17	N/A	11	89.89
Hs.638913	8.19	chr4	N/A	4	72.26
LDHAL6B	8.19	chr15	15q22.2	24	79.65
Hs.130563	8.19	chr11	N/A	3	101.11
Hs.444089	8.19	chr5	N/A	11	63.23
Hs.661335	8.19	chr4	N/A	7	63.37
Hs.733796	8.18	chr2	N/A	1	0.00
Hs.538708	8.18	chr11	N/A	3	25.94
Hs.254466	8.18	chr16	N/A	3	61.70
Hs.410998	8.18	chr17	N/A	8	66.04
Hs.662984	8.18	chr4	N/A	7	80.59
Hs.561433	8.18	chr5	N/A	3	56.13
Hs.545899	8.18	chr9	N/A	3	41.40
Hs.540031	8.18	chr14	N/A	3	55.69
Hs.560505	8.18	chr17	N/A	7	48.33

Hs.129119	8.18	chr11	N/A	8	68.47
Hs.566782	8.18	chr7	N/A	3	33.25
Hs.545194	8.18	chr8	N/A	7	87.64
Hs.634373	8.18	chr12	N/A	14	81.41
Hs.659082	8.18	chr16	N/A	7	47.05
RGS22	8.18	chr8	8q22.2	23	52.56
Hs.539015	8.18	chr11	N/A	3	43.72
FAM171A2	8.18	chr17	17q21.31	7	90.83
Hs.213765	8.18	chr2	N/A	3	33.19
ITGB6	8.17	chr2	2q24.2	36	108.42
LOC284798	8.17	chr20	20p11.21	3	45.81
LOC100130051	8.17	chr16	16p13.3	11	120.91
CATSPERB	8.17	chr14	14q32.12	32	61.99
Hs.664004	8.17	chr5	N/A	7	58.66
Hs.660128	8.17	chr6	N/A	8	43.92
Hs.669550	8.17	chr2	N/A	1	0.00
Hs.671311	8.17	chr9	N/A	2	93.44
Hs.557981	8.17	chr12	N/A	3	36.65
KRTAP9-3	8.17	chr17	17q12-q21	19	39.88
Hs.32769	8.17	chr15	N/A	20	67.09
Hs.522850	8.17	chr10	N/A	7	59.09
Hs.210519	8.17	chr2	N/A	3	30.11
Hs.542855	8.17	chr3	N/A	3	69.39
LINC00221	8.17	chr14	14q32.33	9	20.39
Hs.123784	8.17	chrX	N/A	15	66.83
Hs.158316	8.17	chr2	N/A	7	35.67
Hs.583715	8.17	chr8	N/A	3	30.51
Hs.542102	8.17	chr2	N/A	3	63.55
Hs.544275	8.16	chr5	N/A	3	42.04
THAP9	8.16	chr4	4q21.22	28	75.55
NXPE4	8.16	chr11	11q23.2	27	117.26
Hs.542157	8.16	chr2	N/A	2	24.32
Hs.132291	8.16	chr15	N/A	2	3.36
Hs.555319	8.16	chr15	N/A	3	50.41
Hs.733852	8.16	chr8	N/A	8	51.93
Hs.580781	8.16	chr20	N/A	14	84.11
Hs.539952	8.16	chr14	N/A	3	45.77
Hs.374460	8.16	chrX	N/A	11	195.40
Hs.100938	8.16	chr2	N/A	10	46.94
Hs.666689	8.16	chr11	N/A	2	4.48
Hs.574067	8.16	chr12	N/A	3	53.03
Hs.666387	8.16	chr2	N/A	2	3.36
CREG2	8.16	chr2	2q11.2	17	46.58
Hs.573890	8.16	chr10	N/A	3	55.21
Hs.598795	8.16	chr1	N/A	1	0.00
Hs.668184	8.16	chr2	N/A	2	19.55
Hs.149996	8.15	chr3	N/A	14	131.53
LOC100507267	8.15	chr5	N/A	33	67.73
Hs.678027	8.15	chr9	N/A	1	0.00
Hs.131585	8.15	chr2	N/A	7	54.96
Hs.649706	8.15	chr4	N/A	3	31.29
Hs.538645	8.15	chr10	N/A	3	93.03
Hs.538168	8.15	chr1	N/A	10	50.50
Hs.666383	8.15	chr6	N/A	2	25.55
Hs.532032	8.15	chr4	N/A	3	19.08
Hs.664460	8.15	chr1	N/A	7	42.21
PARD3-AS1	8.15	chr10	N/A	15	56.48
Hs.133924	8.15	chr5	N/A	7	63.34
FAM138A	8.15	chr1	1p36.33	1	0.00
VWA5B1	8.15	chr1	1p36.12	18	98.75
Hs.303880	8.15	chr18	N/A	5	31.30
MTUS2-AS1	8.15	chr13	13q12.3	4	69.28
ZNF728	8.15	chr19	19p12	2	18.00
Hs.596805	8.15	chr3	N/A	8	39.12
Hs.732705	8.15	chr3	N/A	8	81.25
Hs.668636	8.15	chr1	N/A	2	11.10

Hs.541218	8.15	chr19	N/A	3	20.11
LINC00472	8.15	chr6	6q13	30	36.34
DKFZp434J0226	8.14	chr19	19q13.32	4	45.49
PUS10	8.14	chr2	2p16.1	32	59.56
APOBEC4	8.14	chr1	1q25.3	7	101.85
Hs.538238	8.14	chr1	N/A	3	36.29
LINC00486	8.14	chr2	2p22.3	6	66.98
Hs.648471	8.14	chr14	N/A	3	30.70
Hs.290805	8.14	chr21	N/A	4	31.28
Hs.176498	8.14	chr19	N/A	1	0.00
Hs.596718	8.14	chr15	N/A	7	38.82
Hs.544288	8.14	chr5	N/A	3	66.93
Hs.636710	8.14	chr17	N/A	3	42.37
Hs.666488	8.14	chr2	N/A	8	46.94
Hs.661474	8.14	chr3	N/A	1	0.00
Hs.566178	8.14	chr4	N/A	3	47.74
Hs.664999	8.14	chr15	N/A	5	48.11
WNT8A	8.14	chr5	5q31	20	46.86
ADAM28	8.14	chr8	8p21.2	57	59.74
Hs.648836	8.14	chr1	N/A	3	34.17
Hs.537636	8.14	chr1	N/A	3	65.41
Hs.577013	8.14	chr11	N/A	3	39.81
Hs.660637	8.14	chr9	N/A	1	0.00
PLSCR2	8.14	chr3	3q24	24	78.31
Hs.539136	8.13	chr12	N/A	7	34.38
Hs.542885	8.13	chr3	N/A	3	9.23
Hs.715034	8.13	chr1	N/A	4	55.43
LINC00633	8.13	chrX	Xq26.3	21	96.97
SYCE2	8.13	chr19	19p13.2	21	47.97
Hs.635366	8.13	chr5	N/A	3	82.88
MESTIT1	8.13	chr7	7q32.2	10	54.17
Hs.521638	8.13	chr8	N/A	3	27.13
LOC100996402	8.13	chr7	N/A	18	66.66
Hs.535274	8.13	chr1	N/A	3	10.23
Hs.565614	8.13	chr2	N/A	3	18.87
TMEM74	8.13	chr8	8q23.1	33	112.24
Hs.567269	8.13	chr13	N/A	7	52.05
Hs.277817	8.13	chr1	N/A	3	57.05
LOC100132077	8.13	chr9	9q22.32	1	0.00
Hs.667750	8.13	chr5	N/A	10	49.96
Hs.566075	8.13	chr4	N/A	3	52.32
LOC101059948	8.13	chr19	N/A	4	55.93
Hs.541852	8.13	chr2	N/A	2	32.78
Hs.570260	8.13	chr2	N/A	3	21.55
Hs.574188	8.13	chr14	N/A	2	60.90
Hs.583757	8.12	chr8	N/A	3	82.80
Hs.562954	8.12	chr2	N/A	2	68.98
Hs.565142	8.12	chr18	N/A	3	15.67
C1orf68	8.12	chr1	1q21.3	15	50.90
Hs.635142	8.12	chr9	N/A	3	28.08
Hs.542886	8.12	chr3	N/A	3	45.04
Hs.161239	8.12	chr9	N/A	10	146.93
OR2W3	8.12	chr1	1q44	1	0.00
IL26	8.12	chr12	12q15	21	76.34
LOC441098	8.12	chr5	5q21.1	3	95.37
Hs.672035	8.12	chr6	N/A	1	0.00
Hs.633911	8.12	chr6	N/A	7	51.42
DEFB114	8.12	chr6	6p12.3	17	168.86
Hs.449777	8.12	chr15	N/A	7	85.83
Hs.608916	8.12	chr6	N/A	3	50.84
Hs.130562	8.12	chr17	N/A	10	43.08
USP50	8.12	chr15	15q21.1	5	62.76
SHOX	8.12	chrX	Xp22.33;Yp11.3	39	108.10
Hs.600077	8.12	chr12	N/A	10	75.52
Hs.733737	8.12	chr6	N/A	7	64.11
Hs.323707	8.11	chr5	N/A	7	57.35

C15orf26	8.11	chr15	15q25.1	17	41.34
Hs.121492	8.11	chr14	N/A	8	73.82
Hs.665303	8.11	chr10	N/A	7	81.72
Hs.633720	8.11	chr5	N/A	14	39.36
Hs.550794	8.11	chr1	N/A	3	54.80
Hs.191464	8.11	chr5	N/A	3	24.16
FOLH1B	8.11	chr11	11q14.3	21	62.82
Hs.732671	8.11	chr17	N/A	4	86.98
Hs.587321	8.11	chr5	N/A	3	61.73
Hs.648558	8.11	chr4	N/A	7	44.05
Hs.675520	8.11	chr15	N/A	5	39.18
OR51B2	8.11	chr11	11p15	17	45.27
Hs.665739	8.11	chr7	N/A	7	26.97
Hs.542466	8.11	chr20	N/A	3	83.28
Hs.538652	8.11	chr10	N/A	3	37.14
Hs.636188	8.10	chr12	N/A	9	16.40
DNAH14	8.10	chr1	1q42.12	52	76.54
Hs.148203	8.10	chr6	N/A	3	33.54
Hs.544398	8.10	chr6	N/A	3	4.60
Hs.648681	8.10	chr5	N/A	3	58.14
DCAF12L1	8.10	chrX	Xq25	34	87.77
Hs.545851	8.10	chr9	N/A	3	34.32
Hs.144222	8.10	chr12	N/A	10	50.08
Hs.131145	8.10	chr1	N/A	7	49.75
SAGE1	8.10	chrX	Xq26	31	62.80
Hs.522536	8.09	chr9	N/A	12	49.14
Hs.471637	8.09	chr2	N/A	1	0.00
TTK	8.09	chr6	6q13-q21	30	85.48
Hs.128128	8.09	chr3	N/A	22	80.85
Hs.563327	8.09	chr5	N/A	3	35.68
Hs.276851	8.09	chr9	N/A	3	40.48
Hs.149354	8.09	chr14	N/A	10	50.18
Hs.147340	8.09	chr18	N/A	3	31.14
Hs.597215	8.09	chr2	N/A	2	51.69
Hs.659732	8.09	chr8	N/A	7	67.50
FLJ46026	8.09	chr17	17q25.3	7	58.02
LOC643923	8.09	chr11	11q22.3	7	45.81
LOC441870	8.09	chr1	1p36.21	3	37.16
Hs.700876	8.09	chr18	N/A	10	57.08
Hs.599541	8.09	chr2	N/A	7	95.91
Hs.545082	8.08	chr7	N/A	3	55.66
Hs.197683	8.08	chr7	N/A	1	0.00
EMCN-IT3	8.08	chr4	N/A	3	40.15
Hs.148476	8.08	chr2	N/A	3	46.32
Hs.667526	8.08	chr2	N/A	2	29.14
Hs.49112	8.08	chr1	N/A	3	37.30
LINC00589	8.08	chr8	8p12	18	123.93
Hs.544124	8.08	chr5	N/A	3	53.11
Hs.662681	8.08	chr17	N/A	12	63.56
Hs.576550	8.08	chr10	N/A	3	80.96
IL23R	8.08	chr1	1p31.3	21	54.77
HOXA11	8.08	chr7	7p15.2	35	84.42
Hs.632591	8.08	chr4	N/A	3	32.81
Hs.598166	8.08	chr10	N/A	20	49.54
Hs.544361	8.08	chr6	N/A	3	71.29
LOC100996616	8.08	chr2	N/A	3	21.15
Hs.669500	8.08	chr11	N/A	1	0.00
Hs.145036	8.08	chr6	N/A	9	41.77
Hs.551869	8.08	chr10	N/A	3	58.15
Hs.666111	8.07	chr3	N/A	7	58.86
Hs.577389	8.07	chr12	N/A	3	41.48
EYS	8.07	chr6	6q12	17	87.84
Hs.633626	8.07	chr7	N/A	2	46.05
C6orf183	8.07	chr6	6q21	17	94.80
Hs.655025	8.07	chr11	N/A	7	54.65
C4orf22	8.07	chr4	4q21.21	26	172.35

Hs.582620	8.07	chr6	N/A	3	45.32
Hs.597703	8.07	chr1	N/A	11	50.78
Hs.538365	8.07	chr10	N/A	3	101.41
Hs.666410	8.07	chr8	N/A	3	82.49
Hs.661342	8.07	chr7	N/A	15	72.01
Hs.659567	8.07	chr10	N/A	7	45.24
C1orf220	8.07	chr1	1q25.2	7	43.89
Hs.549918	8.07	chr18	N/A	7	99.81
Hs.49329	8.07	chr17	N/A	18	58.47
Hs.606711	8.07	chr2	N/A	1	0.00
Hs.662243	8.07	chr10	N/A	7	71.86
Hs.519329	8.07	chr5	N/A	7	34.97
FAM183A	8.07	chr1	1p34.2	9	42.06
Hs.732722	8.07	chr5	N/A	21	65.10
Hs.667759	8.07	chr2	N/A	7	47.43
Hs.569955	8.06	chr19	N/A	3	31.19
Hs.677075	8.06	chr5	N/A	1	0.00
LOC100130155	8.06	chr8	8q12.3	16	34.19
Hs.129384	8.06	chr2	N/A	7	57.42
LOC100505784	8.06	chr4	N/A	8	99.09
Hs.665315	8.06	chr19	N/A	7	89.20
Hs.658935	8.06	chr10	N/A	18	101.34
Hs.656221	8.06	chr11	N/A	8	66.01
Hs.666921	8.06	chr12	N/A	7	31.50
Hs.572317	8.06	chr15	N/A	4	17.90
Hs.574177	8.06	chr14	N/A	3	27.76
ZBTB12	8.06	chr6	6p21.33	22	96.99
NPW	8.06	chr16	16p13.3	11	32.47
Hs.157866	8.06	chr2	N/A	3	55.20
ADPGK-AS1	8.06	chr15	15q24.1	3	75.52
LOC100652778	8.06	chr18	N/A	1	0.00
Hs.570300	8.06	chr2	N/A	7	66.16
Hs.551283	8.06	chr10	N/A	3	23.68
Hs.659650	8.06	chr4	N/A	7	39.98
Hs.598571	8.06	chr7	N/A	7	69.31
Hs.745452	8.06	chr16	N/A	7	23.46
Hs.156542	8.06	chr8	N/A	10	47.27
LOC100506699	8.06	chr7	N/A	17	74.64
Hs.659112	8.06	chr14	N/A	11	159.97
PTGFR	8.06	chr1	1p31.1	34	57.38
Hs.620730	8.06	chr5	N/A	3	31.19
Hs.23251	8.06	chr21	N/A	7	79.80
UBE2U	8.06	chr1	1p31.3	25	82.38
Hs.669334	8.05	chr1	N/A	1	0.00
Hs.664698	8.05	chr3	N/A	7	83.85
C10orf53	8.05	chr10	10q11.23	26	70.00
LOC339593	8.05	chr20	20p12.2	1	0.00
Hs.577232	8.05	chr11	N/A	3	21.02
Hs.650411	8.05	chr5	N/A	3	38.54
KCNQ5-IT1	8.05	chr6	N/A	7	60.80
Hs.145539	8.05	chr12	N/A	7	56.06
Hs.661982	8.05	chr13	N/A	7	72.73
Hs.129374	8.05	chr1	N/A	3	77.26
Hs.658765	8.05	chr14	N/A	7	77.49
Hs.601009	8.05	chr3	N/A	7	57.93
Hs.131275	8.05	chr11	N/A	10	76.14
Hs.498252	8.05	chr1	N/A	7	51.43
OR4F4	8.04	chr15	15q26.3	16	42.48
TTY2	8.04	chrY	Yp11.2	10	109.20
Hs.581011	8.04	chr22	N/A	3	6.88
Hs.536831	8.04	chr5	N/A	7	55.16
Hs.570731	8.04	chr4	N/A	3	24.92
Hs.658773	8.04	chr18	N/A	1	0.00
Hs.516356	8.04	chr2	N/A	3	27.95
LOC100506664	8.04	chr7	N/A	14	70.06
Hs.576743	8.04	chr10	N/A	3	6.74

Hs.555254	8.04	chr9	N/A	3	85.25
Hs.664195	8.04	chr5	N/A	7	47.21
LINC00167	8.04	chr11	11q24.3	24	33.81
Hs.738250	8.04	chr1	N/A	3	76.57
LINC00558	8.04	chr13	13q14.3	1	0.00
Hs.544562	8.03	chr6	N/A	3	59.96
Hs.30980	8.03	chr5	N/A	3	86.27
RAD9B	8.03	chr12	12q24.11	27	76.69
Hs.656681	8.03	chr5	N/A	7	84.33
Hs.660051	8.03	chr13	N/A	7	62.63
Hs.579499	8.03	chr18	N/A	3	85.55
PRM2	8.03	chr16	16p13.2	33	100.92
KRT76	8.03	chr12	12q13.13	23	35.58
LOC642355	8.03	chr7	7q34	3	38.63
Hs.578994	8.03	chr16	N/A	2	56.28
Hs.565679	8.03	chr20	N/A	3	51.98
Hs.664842	8.03	chr5	N/A	7	77.94
Hs.677872	8.03	chr10	N/A	1	0.00
MUCL1	8.03	chr12	12q	24	62.81
Hs.132249	8.03	chr2	N/A	6	32.95
Hs.544137	8.03	chr5	N/A	3	45.77
Hs.544592	8.03	chr6	N/A	3	70.29
Hs.156992	8.03	chr6	N/A	7	53.08
Hs.678286	8.03	chr1	N/A	2	61.49
Hs.540258	8.03	chr15	N/A	3	76.00
Hs.132550	8.02	chr6	N/A	3	87.94
Hs.546134	8.02	chrX	N/A	3	65.80
Hs.581827	8.02	chr4	N/A	3	57.63
C4orf40	8.02	chr4	4q13.3	6	93.65
Hs.707232	8.02	chr12	N/A	1	0.00
Hs.659770	8.02	chr1	N/A	14	46.18
Hs.736370	8.02	chr17	N/A	3	28.11
LOC646862	8.02	chr19	19q13.43	3	44.69
Hs.600887	8.02	chr18	N/A	7	55.78
UNC13C	8.02	chr15	15q21.3	39	94.00
Hs.602764	8.02	chr1	N/A	7	47.45
LINC00311	8.02	chr16	16q24.1	17	66.93
Hs.656632	8.02	chr8	N/A	18	66.32
Hs.89257	8.02	chr1	N/A	11	38.42
MROH9	8.02	chr1	1q24.3	21	107.20
Hs.628306	8.02	chr12	N/A	4	47.91
Hs.544014	8.02	chr5	N/A	3	28.06
Hs.566366	8.02	chr5	N/A	3	36.73
Hs.665611	8.02	chr16	N/A	1	0.00
LOC100130232	8.02	chr8	8q22.3	8	38.26
Hs.596703	8.01	chr1	N/A	10	28.62
Hs.564833	8.01	chr15	N/A	3	35.06
Hs.569175	8.01	chr12	N/A	3	11.60
Hs.738065	8.01	chr16	N/A	3	17.85
Hs.542127	8.01	chr2	N/A	3	65.55
Hs.564447	8.01	chr12	N/A	3	79.02
Hs.668538	8.01	chr20	N/A	7	51.97
HCG27	8.01	chr6	6p21.33	14	34.06
Hs.741864	8.01	chr12	N/A	7	59.07
Hs.661311	8.01	chr1	N/A	10	35.02
Hs.509496	8.01	chr14	N/A	8	83.26
Hs.578482	8.01	chr15	N/A	3	26.51
RGS18	8.01	chr1	1q31.2	26	82.58
Hs.666827	8.01	chr9	N/A	7	30.24
KRTAP2-2	8.01	chr17	17q21.2	6	82.31
Hs.160568	8.01	chr4	N/A	3	42.10
Hs.543824	8.01	chr5	N/A	3	26.00
NPSR1-AS1	8.01	chr7	7p14.3	35	85.77
LOC285484	8.01	chr4	4p16.1	10	75.70
Hs.656345	8.01	chr1	N/A	1	0.00
Hs.666916	8.01	chr2	N/A	7	23.78

STYK1	8.01	chr12	12p13.2	29	122.99
Hs.543275	8.01	chr3	N/A	3	46.71
LOC100996563	8.01	chr17	N/A	3	51.77
Hs.667186	8.01	chr1	N/A	1	0.00
SMR3B	8.01	chr4	4q13.3	33	98.55
LRRTM3	8.01	chr10	10q21.3	31	74.98
Hs.545389	8.01	chr8	N/A	3	52.52
Hs.541014	8.01	chr18	N/A	3	58.24
Hs.244783	8.01	chr2	N/A	4	62.86
Hs.36563	8.00	chr20	N/A	3	65.14
SLC38A4	8.00	chr12	12q13	49	79.91
Hs.681944	8.00	chr11	N/A	3	22.19
Hs.734810	8.00	chrX	N/A	3	37.86
Hs.629403	8.00	chr6	N/A	1	0.00
Hs.662469	8.00	chr7	N/A	14	59.19
Hs.522682	8.00	chrX	N/A	8	53.71
Hs.128581	8.00	chr8	N/A	2	7.24
Hs.113170	8.00	chr3	N/A	21	82.51
Hs.745244	8.00	chr2	N/A	7	75.44
Hs.734269	8.00	chr1	N/A	1	0.00
G6PC	8.00	chr17	17q21	37	55.53
Hs.670303	8.00	chr2	N/A	1	0.00
Hs.594173	8.00	chr18	N/A	3	28.91
Hs.368698	7.99	chr6	N/A	3	23.82
Hs.661622	7.99	chr19	N/A	11	26.94
Hs.687918	7.99	chr20	N/A	1	0.00
Hs.663101	7.99	chr13	N/A	7	44.38
Hs.739397	7.99	chr21	N/A	3	77.80
SLC9C1	7.99	chr3	3q13.2	16	178.26
Hs.721015	7.99	chr4	N/A	7	46.80
Hs.658686	7.99	chr4	N/A	1	0.00
Hs.605682	7.99	chr16	N/A	3	36.77
LOC339529	7.99	chr1	1q44	3	17.82
Hs.669855	7.99	chr2	N/A	1	0.00
Hs.636041	7.99	chr4	N/A	3	38.65
Hs.574226	7.99	chr15	N/A	3	81.25
Hs.602534	7.99	chr17	N/A	7	34.43
Hs.724823	7.99	chr12	N/A	7	47.35
Hs.106554	7.99	chr11	N/A	10	41.12
Hs.557975	7.99	chr12	N/A	3	45.53
Hs.171377	7.98	chr3	N/A	3	8.60
Hs.542999	7.98	chr3	N/A	3	79.02
Hs.524847	7.98	chr12	N/A	3	65.96
Hs.548679	7.98	chr2	N/A	3	75.15
Hs.734239	7.98	chr15	N/A	3	24.53
Hs.651737	7.98	chr18	N/A	3	16.78
CCDC37	7.98	chr3	3q21.3	21	68.60
Hs.660473	7.98	chr1	N/A	10	79.62
Hs.131249	7.98	chr7	N/A	3	37.13
Hs.581801	7.98	chr4	N/A	3	22.28
IFNE	7.98	chr9	9p21.3	20	127.52
Hs.555462	7.98	chr11	N/A	3	23.14
Hs.541066	7.98	chr10	N/A	3	35.15
Hs.432345	7.98	chr1	N/A	1	0.00
FLG2	7.98	chr1	1q21.3	9	87.03
Hs.544146	7.98	chr5	N/A	3	25.09
Hs.543286	7.98	chr3	N/A	2	123.96
IFNA2	7.98	chr9	9p22	23	57.31
Hs.653515	7.98	chr12	N/A	7	40.98
NIPAL1	7.98	chr4	4p12	35	78.74
Hs.596945	7.98	chr8	N/A	3	21.40
Hs.659110	7.98	chr8	N/A	11	178.10
STAP1	7.98	chr4	4q13.2	32	109.69
Hs.574244	7.98	chr15	N/A	2	11.84
Hs.649315	7.98	chr11	N/A	3	115.38
BLID	7.97	chr11	11q24.1	14	92.72

Hs.126195	7.97	chr12	N/A	7	71.50
ACSM1	7.97	chr16	16p12.3	23	64.67
Hs.563762	7.97	chr1	N/A	3	34.73
LOC285593	7.97	chr5	5q35.2	7	61.53
Hs.566547	7.97	chr6	N/A	3	26.57
Hs.308031	7.97	chr9	N/A	3	54.12
Hs.733757	7.97	chr9	N/A	11	55.75
Hs.697530	7.97	chr22	N/A	1	0.00
Hs.563607	7.97	chr9	N/A	3	55.88
TMC1	7.97	chr9	9q21.12	28	96.02
Hs.661478	7.97	chr20	N/A	8	86.54
Hs.656442	7.97	chr18	N/A	8	48.65
Hs.554692	7.97	chr20	N/A	3	6.94
RNF32	7.97	chr7	7q36	66	83.07
Hs.584020	7.97	chr9	N/A	3	47.13
Hs.733912	7.97	chrX	N/A	2	12.69
Hs.708569	7.97	chr7	N/A	10	19.32
Hs.570713	7.96	chr4	N/A	3	50.59
OR8B3	7.96	chr11	11q24.2	3	89.97
Hs.545402	7.96	chr8	N/A	3	15.95
Hs.543689	7.96	chr4	N/A	3	54.80
FRG2C	7.96	chr3	3p12.3	1	0.00
Hs.604152	7.96	chr4	N/A	2	31.26
Hs.553202	7.96	chr1	N/A	3	27.42
Hs.434806	7.96	chr2	N/A	1	0.00
ANKRD45	7.96	chr1	1q25.1	27	66.38
Hs.536411	7.96	chr15	N/A	1	0.00
Hs.156409	7.96	chr12	N/A	10	39.24
LINC00293	7.96	chr8	8q11.1	15	88.07
Hs.563228	7.96	chr4	N/A	7	102.15
Hs.349025	7.96	chr5	N/A	3	98.41
Hs.663659	7.96	chr1	N/A	14	60.04
RESP18	7.96	chr2	2q35	16	55.68
Hs.578805	7.96	chr16	N/A	3	55.86
Hs.561660	7.96	chr7	N/A	3	56.62
Hs.672344	7.96	chr10	N/A	11	78.01
Hs.604548	7.96	chr2	N/A	7	32.05
FAM19A3	7.96	chr1	1p13.2	24	104.68
Hs.672920	7.96	chr9	N/A	1	0.00
Hs.137274	7.95	chr19	N/A	8	97.91
Hs.587148	7.95	chr22	N/A	1	0.00
ZNF311	7.95	chr6	6p22.1	35	120.37
Hs.565952	7.95	chr3	N/A	3	57.52
Hs.668187	7.95	chr4	N/A	7	31.00
Hs.542684	7.95	chr22	N/A	3	64.81
Hs.570996	7.95	chr5	N/A	3	31.25
TIGD4	7.95	chr4	4q31.3	18	96.25
Hs.444016	7.95	chr1	N/A	3	24.62
Hs.707828	7.94	chr10	N/A	7	69.68
EFCAB1	7.94	chr8	8q11.21	47	77.79
Hs.126866	7.94	chr2	N/A	17	92.77
OR7A5	7.94	chr19	19p13.1	23	40.77
Hs.558215	7.94	chr2	N/A	3	43.06
Hs.663835	7.94	chr12	N/A	11	50.61
Hs.544694	7.94	chr6	N/A	3	57.11
Hs.658933	7.94	chr5	N/A	7	58.71
Hs.656949	7.94	chr6	N/A	7	65.54
Hs.558872	7.94	chr21	N/A	17	63.77
Hs.539146	7.94	chr12	N/A	3	58.97
Hs.576523	7.94	chr1	N/A	3	50.39
Hs.132570	7.94	chr15	N/A	5	44.04
Hs.568874	7.94	chr10	N/A	8	36.91
Hs.124611	7.94	chr5	N/A	7	23.38
Hs.652624	7.94	chr9	N/A	7	58.41
Hs.560012	7.94	chr12	N/A	3	19.03
Hs.542517	7.94	chr20	N/A	3	36.80

Hs.563678	7.94	chrX	N/A	3	49.14
Hs.545716	7.93	chr9	N/A	3	80.18
Hs.552453	7.93	chr2	N/A	3	106.71
Hs.535739	7.93	chr4	N/A	3	50.84
CNGA3	7.93	chr2	2q11.2	29	107.43
PRO2852	7.93	chr9	N/A	2	11.85
SNORD34	7.93	chr19	19q13.3	3	48.81
Hs.666674	7.93	chr8	N/A	1	0.00
LGALS8-AS1	7.93	chr1	1q43	10	108.27
Hs.739537	7.93	chr6	N/A	3	23.47
SPAG11B	7.93	chr8	8p23.1	66	91.72
Hs.149663	7.93	chr5	N/A	5	37.60
Hs.655822	7.93	chr17	N/A	1	0.00
Hs.664626	7.93	chr2	N/A	7	72.98
Hs.542204	7.93	chr2	N/A	3	46.49
Hs.544161	7.93	chr5	N/A	1	0.00
Hs.712972	7.93	chr1	N/A	3	41.88
Hs.667761	7.93	chr9	N/A	7	88.14
Hs.543353	7.93	chr4	N/A	3	29.57
LOC100506682	7.92	chr7	N/A	5	53.43
Hs.373631	7.92	chr19	N/A	4	31.78
Hs.573904	7.92	chr11	N/A	3	25.14
Hs.637822	7.92	chr1	N/A	2	18.77
Hs.552545	7.92	chr3	N/A	3	63.31
Hs.307984	7.92	chr14	N/A	7	52.07
C6orf123	7.92	chr6	6q27	31	77.91
KCNG3	7.92	chr2	2p21	25	74.56
Hs.518678	7.92	chr4	N/A	3	38.10
Hs.667975	7.92	chr8	N/A	7	37.27
LOC100506472	7.92	chr22	N/A	27	48.67
Hs.245720	7.92	chr17	N/A	3	64.92
Hs.564462	7.92	chr12	N/A	3	25.31
Hs.658714	7.92	chr1	N/A	7	74.25
Hs.131360	7.92	chr12	N/A	4	58.48
Hs.679526	7.92	chr22	N/A	5	36.42
Hs.653064	7.92	chr8	N/A	3	50.12
Hs.257556	7.92	chr9	N/A	1	0.00
Hs.603476	7.92	chr4	N/A	2	52.49
Hs.547920	7.92	chr11	N/A	3	24.18
Hs.667946	7.92	chr18	N/A	7	42.00
Hs.562361	7.92	chr11	N/A	3	56.97
Hs.97276	7.91	chr10	N/A	22	56.20
Hs.664750	7.91	chr12	N/A	7	49.07
Hs.451636	7.91	chr19	N/A	1	0.00
Hs.371845	7.91	chr15	N/A	3	34.79
DNAJB3	7.91	chr2	2q37	39	69.43
Hs.572803	7.91	chr20	N/A	3	57.27
LOC644083	7.91	chr1	1p36.13	13	80.93
Hs.590017	7.91	chr3	N/A	7	55.03
Hs.505146	7.91	chr21	N/A	7	50.34
Hs.128030	7.91	chr5	N/A	5	31.48
LOC100630918	7.91	chr2	N/A	4	37.83
Hs.604013	7.91	chr3	N/A	2	29.02
Hs.667014	7.91	chr19	N/A	3	42.54
Hs.540544	7.91	chr16	N/A	7	54.52
Hs.635007	7.91	chr17	N/A	2	43.75
Hs.465730	7.91	chr16	N/A	14	65.52
Hs.370423	7.91	chr3	N/A	1	0.00
Hs.639759	7.91	chr8	N/A	3	23.00
Hs.584662	7.91	chrX	N/A	3	23.22
WDR52-AS1	7.91	chr3	N/A	9	72.23
Hs.583589	7.91	chr8	N/A	3	22.21
CLEC7A	7.91	chr12	12p13.2	52	97.58
WBP2NL	7.90	chr22	22q13.2	19	116.36
Hs.560681	7.90	chr19	N/A	7	55.34
Hs.522508	7.90	chr10	N/A	3	31.78

Hs.568970	7.90	chr11	N/A	4	65.34
LOC100287813	7.90	chr1	1q24.2	11	48.24
FLJ39739	7.90	chr1	1q21.1	14	61.78
ARL14	7.90	chr3	3q25.33	21	151.18
LOC100130417	7.90	chr1	1p36.33	15	61.07
Hs.486362	7.90	chr6	N/A	3	7.54
Hs.648432	7.90	chr14	N/A	15	82.46
Hs.737543	7.90	chr1	N/A	10	12.32
Hs.185118	7.90	chr1	N/A	7	41.57
Hs.569824	7.90	chr17	N/A	7	82.92
Hs.668006	7.90	chr19	N/A	2	36.24
Hs.649980	7.90	chr2	N/A	5	62.92
Hs.664856	7.90	chr17	N/A	7	34.98
PTH2R	7.90	chr2	2q33	22	59.08
Hs.666485	7.90	chr14	N/A	7	42.29
Hs.637575	7.90	chr4	N/A	1	0.00
Hs.444743	7.90	chr17	N/A	1	0.00
Hs.445500	7.90	chrX	N/A	4	59.47
LOC732226	7.89	chr21	21q22.2	3	42.96
Hs.446289	7.89	chr1	N/A	3	88.20
LOC100128946	7.89	chr22	22q13.32	1	0.00
PDE11A	7.89	chr2	2q31.2	76	77.89
Hs.161875	7.89	chr3	N/A	3	101.73
Hs.732920	7.89	chr21	N/A	7	56.19
Hs.708649	7.89	chr2	N/A	3	18.68
Hs.738337	7.89	chr3	N/A	3	49.92
Hs.636266	7.89	chr3	N/A	3	22.50
Hs.569872	7.89	chr18	N/A	2	31.23
Hs.555399	7.89	chr1	N/A	3	52.14
Hs.571875	7.89	chr1	N/A	3	57.58
Hs.666090	7.89	chr8	N/A	7	84.97
Hs.733229	7.89	chr11	N/A	8	61.44
C2orf81	7.88	chr2	2p13.1	15	46.06
Hs.729842	7.88	chr11	N/A	3	72.77
Hs.673517	7.88	chr12	N/A	1	0.00
Hs.543945	7.88	chr5	N/A	3	50.84
Hs.127963	7.88	chr5	N/A	7	29.28
Hs.659510	7.88	chr15	N/A	2	77.26
XAGE1A	7.88	chrX	Xp11.22	30	96.12
Hs.288042	7.88	chr8	N/A	4	46.37
C12orf54	7.88	chr12	12q13.11	19	128.83
LOC100507540	7.88	chr9	N/A	8	77.72
Hs.701074	7.88	chr16	N/A	3	59.63
Hs.128032	7.88	chr5	N/A	11	63.44
Hs.609405	7.88	chr8	N/A	3	63.74
Hs.444812	7.88	chr2	N/A	1	0.00
LOC100506403	7.88	chr21	N/A	4	71.95
Hs.531315	7.88	chr2	N/A	10	64.41
Hs.658264	7.88	chr4	N/A	8	100.14
Hs.525794	7.88	chr15	N/A	3	43.47
Hs.538455	7.88	chr10	N/A	3	45.92
LOC100507362	7.88	chr6	6p21.33	14	69.60
Hs.564904	7.88	chr16	N/A	3	98.05
Hs.147751	7.88	chr14	N/A	3	69.85
CYP4Z1	7.88	chr1	1p33	55	49.88
Hs.670651	7.88	chr19	N/A	1	0.00
Hs.603125	7.88	chr5	N/A	2	8.58
C7orf34	7.88	chr7	7q34	38	53.96
Hs.432947	7.87	chr1	N/A	10	53.39
Hs.439920	7.87	chr5	N/A	3	15.40
C6orf52	7.87	chr6	6p24.1	29	92.90
Hs.99691	7.87	chr4	N/A	6	48.71
Hs.538869	7.87	chr11	N/A	7	48.03
Hs.581773	7.87	chr4	N/A	5	59.20
Hs.659670	7.87	chr3	N/A	1	0.00
Hs.543414	7.87	chr4	N/A	3	24.08

Hs.661323	7.87	chr5	N/A	7	66.11
Hs.566623	7.87	chr7	N/A	3	73.26
Hs.654656	7.87	chr12	N/A	25	55.71
Hs.557576	7.87	chr9	N/A	3	71.88
Hs.455020	7.87	chr3	N/A	7	31.68
Hs.582985	7.87	chr6	N/A	3	50.28
Hs.633996	7.87	chr2	N/A	7	78.31
Hs.145202	7.87	chr3	N/A	10	51.93
Hs.559741	7.87	chr1	N/A	3	45.07
Hs.603518	7.86	chr3	N/A	7	50.38
Hs.657626	7.86	chr8	N/A	7	39.70
Hs.658097	7.86	chr3	N/A	7	92.19
Hs.540069	7.86	chr14	N/A	3	27.64
Hs.545137	7.86	chr7	N/A	3	4.75
RHOXF2	7.86	chrX	Xq24	27	55.47
Hs.658524	7.86	chr15	N/A	1	0.00
Hs.666804	7.86	chr5	N/A	1	0.00
Hs.527426	7.86	chr8	N/A	3	28.10
SPZ1	7.86	chr5	5q14.1	26	109.04
Hs.386365	7.86	chr2	N/A	7	69.26
OR14K1	7.86	chr1	1q44	8	61.91
Hs.650447	7.86	chr10	N/A	3	50.60
DEFB136	7.86	chr8	8p23.1	3	41.02
Hs.639982	7.85	chr8	N/A	3	47.38
Hs.601148	7.85	chr4	N/A	7	36.88
Hs.656242	7.85	chr4	N/A	18	37.09
Hs.604419	7.85	chr1	N/A	7	76.12
Hs.539415	7.85	chr12	N/A	3	41.85
SYNDIG1L	7.85	chr14	14q24.3	18	42.32
C15orf27	7.85	chr15	15q24.2	26	95.75
SCARNA15	7.85	chr15	15q25.2	3	21.45
Hs.603733	7.85	chr4	N/A	2	10.01
Hs.527936	7.85	chr17	N/A	1	0.00
Hs.569312	7.85	chr14	N/A	1	0.00
Hs.539079	7.85	chr11	N/A	7	65.11
Hs.547625	7.85	chr3	N/A	3	29.57
Hs.544083	7.84	chr5	N/A	2	18.25
Hs.232072	7.84	chr1	N/A	2	23.92
Hs.583317	7.84	chr7	N/A	3	44.48
Hs.581222	7.84	chr3	N/A	10	63.47
ARHGEF33	7.84	chr2	2p22.1	10	79.49
Hs.602598	7.84	chr1	N/A	7	59.11
Hs.540206	7.84	chr15	N/A	1	0.00
LOC100240735	7.84	chr12	12q13.13	20	54.26
Hs.656950	7.84	chr6	N/A	7	57.86
Hs.538500	7.84	chr10	N/A	3	94.55
Hs.570663	7.84	chr3	N/A	10	63.63
Hs.659480	7.84	chr16	N/A	7	26.15
Hs.597226	7.84	chr4	N/A	2	50.22
Hs.600678	7.84	chr1	N/A	7	51.09
CDK15	7.84	chr2	2q33.2	35	52.47
Hs.667237	7.84	chr17	N/A	3	59.52
Hs.656066	7.84	chr20	N/A	2	82.64
LINC00608	7.84	chr2	2q35	12	125.48
Hs.540510	7.84	chr16	N/A	3	72.78
Hs.659958	7.84	chr7	N/A	14	68.30
Hs.657398	7.84	chr20	N/A	7	63.79
Hs.668300	7.83	chr5	N/A	1	0.00
Hs.131438	7.83	chr15	N/A	7	67.67
Hs.97753	7.83	chr1	N/A	11	65.27
FLJ32756	7.83	chr22	22q13.31	11	33.61
Hs.596575	7.83	chr11	N/A	7	92.61
KRTAP5-4	7.83	chr11	11p15.5	3	14.79
Hs.541317	7.83	chr19	N/A	7	54.95
Hs.597778	7.83	chr18	N/A	1	0.00
Hs.659581	7.83	chr9	N/A	7	78.45

Hs.715122	7.83	chr11	N/A	1	0.00
Hs.668234	7.83	chr1	N/A	7	91.49
Hs.544464	7.83	chr6	N/A	3	32.39
Hs.665543	7.83	chr17	N/A	7	57.86
Hs.472723	7.83	chr20	N/A	11	68.72
Hs.565988	7.83	chr3	N/A	3	28.04
Hs.603723	7.83	chrX	N/A	2	75.39
Hs.661631	7.83	chr7	N/A	2	35.83
Hs.544735	7.83	chr6	N/A	3	38.81
Hs.344214	7.83	chr16	N/A	3	24.85
SLC10A4	7.83	chr4	4p11	20	84.87
Hs.600525	7.83	chr12	N/A	7	37.17
Hs.325396	7.83	chr1	N/A	7	51.45
Hs.634751	7.83	chr17	N/A	1	0.00
Hs.545874	7.83	chr9	N/A	3	50.08
Hs.666424	7.83	chr4	N/A	7	93.74
LOC128322	7.82	chr1	1p13.2	3	42.31
Hs.385526	7.82	chr5	N/A	1	0.00
Hs.656329	7.82	chr8	N/A	10	26.11
Hs.681397	7.82	chr2	N/A	3	34.52
Hs.621731	7.82	chr17	N/A	10	31.94
Hs.660317	7.82	chr12	N/A	7	38.45
Hs.542465	7.82	chr20	N/A	3	27.41
Hs.732845	7.82	chr11	N/A	7	33.34
CD40LG	7.82	chrX	Xq26	23	125.97
LOC100506385	7.82	chr21	N/A	15	84.08
LOC100505862	7.82	chr6	N/A	8	58.09
Hs.576855	7.82	chr10	N/A	7	90.57
Hs.657095	7.82	chr14	N/A	8	74.59
Hs.714223	7.82	chr16	N/A	5	49.38
Hs.733602	7.82	chr12	N/A	10	40.91
Hs.566042	7.82	chr4	N/A	3	53.09
Hs.604264	7.82	chr13	N/A	7	115.57
Hs.551874	7.82	chr10	N/A	3	58.57
SPINK6	7.82	chr5	5q32	20	76.01
Hs.230783	7.82	chr6	N/A	6	63.85
DCLK3	7.82	chr3	3p22.2	18	64.56
Hs.130361	7.82	chr8	N/A	6	83.31
Hs.599834	7.82	chr19	N/A	2	37.15
Hs.297366	7.82	chr12	N/A	3	40.99
Hs.657988	7.82	chr7	N/A	1	0.00
Hs.542197	7.82	chr2	N/A	3	26.53
Hs.545897	7.82	chr9	N/A	3	72.63
STL	7.82	chr6	6q22.33	8	66.58
LOC729307	7.82	chr4	4q28.3	4	43.55
Hs.126637	7.82	chr17	N/A	7	66.51
MCHR2	7.81	chr6	6q16	32	82.32
Hs.659402	7.81	chr12	N/A	7	49.24
Hs.561029	7.81	chr21	N/A	17	55.70
Hs.566923	7.81	chr8	N/A	3	26.41
Hs.633604	7.81	chr1	N/A	7	29.77
Hs.147170	7.81	chr8	N/A	2	44.32
BIRC8	7.81	chr19	N/A	18	58.91
Hs.634976	7.81	chr14	N/A	7	46.21
Hs.584031	7.81	chr9	N/A	3	29.71
Hs.539767	7.81	chr15	N/A	5	47.74
Hs.9123	7.81	chr2	N/A	17	73.33
Hs.27453	7.81	chrX	N/A	3	64.07
LOC440117	7.81	chr12	12q24.32	8	30.61
Hs.667232	7.81	chr15	N/A	3	32.44
LOC100133461	7.81	chr4	N/A	4	32.03
Hs.557989	7.81	chr12	N/A	3	33.91
Hs.652943	7.80	chr17	N/A	1	0.00
Hs.581571	7.80	chr3	N/A	3	85.37
Hs.137567	7.80	chr13	N/A	22	141.59
Hs.637773	7.80	chr11	N/A	7	48.24

Hs.734257	7.80	chr7	N/A	3	32.45
Hs.98330	7.80	chr16	N/A	8	58.79
Hs.732410	7.80	chr5	N/A	7	68.15
Hs.597221	7.80	chr6	N/A	2	78.45
Hs.656964	7.80	chr2	N/A	8	61.27
Hs.675476	7.80	chr13	N/A	12	40.78
Hs.541873	7.80	chr2	N/A	3	58.50
Hs.665033	7.80	chr3	N/A	3	55.00
Hs.125008	7.80	chr19	N/A	15	57.80
TCEB3C	7.80	chr18	18q21.1	17	153.41
Hs.147121	7.80	chr8	N/A	3	18.17
Hs.536010	7.80	chr1	N/A	3	54.29
Hs.667332	7.80	chr3	N/A	2	3.56
Hs.656532	7.80	chr11	N/A	18	79.46
Hs.164463	7.80	chr4	N/A	3	30.52
Hs.129360	7.80	chr7	N/A	7	56.84
Hs.559830	7.80	chr10	N/A	3	77.80
Hs.672149	7.80	chr1	N/A	8	55.76
Hs.130307	7.79	chr2	N/A	14	65.92
Hs.657400	7.79	chr7	N/A	11	61.03
PCED1B-AS1	7.79	chr12	12q13.11	1	0.00
Hs.565035	7.79	chr17	N/A	3	48.03
LOC100507299	7.79	chr9	N/A	14	73.47
Hs.718619	7.79	chr8	N/A	1	0.00
Hs.664541	7.79	chr15	N/A	8	119.89
Hs.517459	7.79	chr22	N/A	3	48.50
LOC100131541	7.79	chr11	11q21	13	68.92
Hs.736847	7.79	chr7	N/A	1	0.00
Hs.131022	7.79	chr10	N/A	10	42.03
Hs.657137	7.79	chr14	N/A	19	64.12
Hs.561391	7.79	chr5	N/A	3	54.33
RBFOX3	7.79	chr17	17q25.3	30	79.67
Hs.666926	7.79	chr10	N/A	7	95.62
Hs.130432	7.79	chr10	N/A	17	48.67
Hs.125563	7.79	chr3	N/A	3	17.68
FAM226A	7.79	chrX	Xq13.2	13	43.44
Hs.288514	7.79	chr12	N/A	10	107.03
Hs.672684	7.79	chr4	N/A	7	26.88
Hs.549722	7.78	chr1	N/A	3	84.95
A3GALT2	7.78	chr1	1p35.1	8	52.98
Hs.557713	7.78	chr20	N/A	3	34.61
Hs.543879	7.78	chr5	N/A	3	52.18
Hs.582229	7.78	chr5	N/A	3	73.29
Hs.544172	7.78	chr5	N/A	3	29.59
Hs.584252	7.78	chr9	N/A	3	51.30
Hs.657479	7.78	chr9	N/A	7	40.49
Hs.666152	7.78	chr1	N/A	7	40.34
Hs.659788	7.78	chr7	N/A	8	50.98
Hs.664227	7.78	chr10	N/A	15	61.08
DEFB104A	7.78	chr8	8p23.1	20	60.75
Hs.660356	7.78	chr4	N/A	8	62.81
FAM41C	7.78	chr1	1p36.33	33	72.13
Hs.735138	7.77	chr1	N/A	7	56.52
Hs.576195	7.77	chr1	N/A	3	55.93
DLEU7-AS1	7.77	chr13	N/A	1	0.00
SORCS3	7.77	chr10	10q23-q25	26	108.37
Hs.176475	7.77	chr20	N/A	3	58.48
Hs.139649	7.77	chr2	N/A	10	52.55
Hs.566746	7.77	chr7	N/A	10	55.88
Hs.666758	7.77	chr8	N/A	2	29.57
Hs.451409	7.77	chr17	N/A	17	37.05
Hs.655831	7.77	chr2	N/A	8	49.28
Hs.71944	7.77	chr5	N/A	7	69.52
Hs.569381	7.77	chr14	N/A	15	113.75
Hs.737745	7.77	chr8	N/A	3	54.86
Hs.402339	7.77	chr17	N/A	3	47.55

AWAT1	7.77	chrX	Xq13.1	18	76.11
Hs.660500	7.77	chr18	N/A	3	40.00
Hs.737525	7.77	chr20	N/A	10	44.08
Hs.252904	7.77	chr14	N/A	3	77.47
Hs.544218	7.77	chr5	N/A	3	23.27
Hs.582952	7.77	chr6	N/A	3	10.62
Hs.582468	7.77	chr5	N/A	3	30.63
Hs.660547	7.77	chr2	N/A	3	64.38
SYCP2L	7.77	chr6	6p24.2	24	76.28
Hs.660250	7.77	chr13	N/A	7	45.39
Hs.664169	7.77	chr6	N/A	3	21.08
Hs.444464	7.77	chr2	N/A	6	62.21
CRISP3	7.77	chr6	6p12.3	51	101.05
Hs.447707	7.76	chr3	N/A	7	116.96
Hs.664920	7.76	chr7	N/A	2	35.54
Hs.543547	7.76	chr4	N/A	3	38.91
Hs.128770	7.76	chr1	N/A	12	63.83
ESX1	7.76	chrX	Xq22.1	22	48.42
Hs.131611	7.76	chr4	N/A	10	68.22
ZNF441	7.76	chr19	19p13.2	20	57.28
Hs.579465	7.76	chr18	N/A	3	8.49
Hs.735208	7.76	chr8	N/A	10	85.20
Hs.602317	7.76	chr4	N/A	5	38.03
Hs.663129	7.76	chr5	N/A	7	38.29
Hs.125537	7.76	chr11	N/A	2	23.94
Hs.125514	7.76	chr14	N/A	7	66.10
Hs.580928	7.76	chr21	N/A	3	50.71
Hs.550452	7.76	chr7	N/A	3	33.65
USP30-AS1	7.76	chr12	12q24.11	1	0.00
Hs.734093	7.76	chr3	N/A	1	0.00
Hs.143791	7.76	chr13	N/A	2	57.37
Hs.602242	7.76	chr13	N/A	7	37.68
Hs.540210	7.76	chr15	N/A	3	46.55
Hs.659970	7.76	chr14	N/A	1	0.00
SIGLECL1	7.76	chr19	19q13.41	17	77.43
LOC100505989	7.76	chr4	4q32	1	0.00
Hs.666747	7.76	chr7	N/A	2	48.16
Hs.432331	7.76	chr5	N/A	14	65.61
Hs.566389	7.76	chr5	N/A	3	23.87
CLUU1OS	7.75	chr12	12q22	3	38.20
Hs.537685	7.75	chr1	N/A	7	46.56
Hs.278098	7.75	chr11	N/A	3	37.44
Hs.98898	7.75	chr14	N/A	7	52.32
LOC284009	7.75	chr17	17p13.3	4	57.95
Hs.580061	7.75	chr2	N/A	3	47.08
Hs.541001	7.75	chr18	N/A	3	46.89
LINC00638	7.75	chr14	14q32.33	11	38.57
Hs.673048	7.75	chr19	N/A	3	37.30
Hs.61596	7.75	chr10	N/A	4	30.77
Hs.601048	7.75	chr3	N/A	7	92.10
Hs.516300	7.75	chr2	N/A	3	36.12
Hs.602993	7.75	chr16	N/A	3	61.58
Hs.630744	7.75	chr3	N/A	10	21.46
Hs.567078	7.75	chr9	N/A	3	26.50
Hs.600634	7.75	chr9	N/A	7	45.15
Hs.560187	7.74	chr13	N/A	3	31.76
Hs.659518	7.74	chr1	N/A	4	49.17
Hs.655035	7.74	chr1	N/A	2	14.74
Hs.103241	7.74	chr1	N/A	7	80.71
Hs.655836	7.74	chr2	N/A	2	7.43
Hs.637883	7.74	chr7	N/A	3	4.25
ZSCAN4	7.74	chr19	19q13.43	33	79.75
Hs.739989	7.74	chr12	N/A	4	97.52
Hs.603574	7.74	chr11	N/A	2	26.43
Hs.543610	7.74	chr4	N/A	3	32.81
Hs.634496	7.73	chr1	N/A	7	71.40

Hs.278078	7.73	chrX	N/A	1	0.00
Hs.577140	7.73	chr11	N/A	3	44.05
Hs.675601	7.73	chr12	N/A	1	0.00
Hs.564476	7.73	chr12	N/A	3	43.34
Hs.565897	7.73	chr3	N/A	3	27.72
LGALS13	7.73	chr19	19q13.1	30	86.06
GATM-AS1	7.73	chr15	15q15.1	3	106.54
Hs.371900	7.73	chr15	N/A	2	1.29
Hs.603095	7.73	chr6	N/A	7	73.11
Hs.132141	7.73	chr7	N/A	10	81.37
Hs.626338	7.73	chr1	N/A	3	10.73
GABRG1	7.73	chr4	4p12	32	123.59
Hs.663210	7.73	chr6	N/A	2	70.84
Hs.132423	7.73	chr18	N/A	3	42.13
Hs.105120	7.73	chr8	N/A	7	34.22
Hs.669946	7.73	chr1	N/A	9	56.29
Hs.213735	7.73	chr20	N/A	3	25.06
Hs.531753	7.73	chr21	N/A	1	0.00
Hs.98470	7.73	chr5	N/A	14	35.28
Hs.651698	7.73	chr14	N/A	1	0.00
LINC00864	7.73	chr10	10q23.2	10	35.84
Hs.105473	7.72	chr17	N/A	10	46.30
Hs.562256	7.72	chr10	N/A	3	88.53
Hs.668354	7.72	chr10	N/A	7	41.76
LINC00615	7.72	chr12	12q21.33	15	120.25
Hs.599915	7.72	chr19	N/A	7	45.40
Hs.334446	7.72	chr4	N/A	3	21.97
Hs.600635	7.72	chr11	N/A	7	102.50
ZNF674-AS1	7.72	chrX	Xp11.23	13	89.40
Hs.569089	7.72	chr12	N/A	11	121.53
Hs.583754	7.72	chr8	N/A	3	77.26
Hs.583949	7.72	chr8	N/A	3	50.11
Hs.657910	7.72	chr1	N/A	7	50.43
Hs.583921	7.72	chr8	N/A	3	65.42
S100A7A	7.72	chr1	1q21.3	18	88.24
Hs.542985	7.72	chr3	N/A	3	20.06
Hs.561841	7.72	chr8	N/A	4	31.18
Hs.541047	7.71	chr18	N/A	3	34.39
LOC100506288	7.71	chr6	N/A	11	123.75
Hs.667048	7.71	chrX	N/A	3	66.19
Hs.536290	7.71	chr12	N/A	10	63.07
S1PR5	7.71	chr19	19p13.2	36	79.50
TMEM196	7.71	chr7	7p21.1	20	73.51
TFEC	7.71	chr7	7q31.2	46	81.20
POU4F3	7.71	chr5	5q32	21	111.60
RBMY1E	7.71	chrY	Yq11.223	44	72.17
Hs.444235	7.71	chr6	N/A	1	0.00
Hs.44210	7.71	chr4	N/A	10	51.46
Hs.441201	7.71	chr6	N/A	3	74.42
Hs.116129	7.71	chr10	N/A	10	58.43
Hs.16633	7.71	chr18	N/A	11	53.56
Hs.145178	7.71	chr5	N/A	5	39.75
KRTAP12-2	7.71	chr21	21q22.3	16	59.82
LOC285768	7.71	chr6	6p25.3	4	33.94
C11orf94	7.71	chr11	11p11.2	8	74.64
Hs.668437	7.71	chr1	N/A	4	21.57
Hs.597167	7.70	chr13	N/A	1	0.00
P2RY12	7.70	chr3	3q24-q25	17	46.06
Hs.568487	7.70	chr1	N/A	5	31.67
Hs.263424	7.70	chr1	N/A	17	64.24
KRTAP19-3	7.70	chr21	21q22.1	11	59.61
Hs.673096	7.70	chr5	N/A	11	78.67
Hs.538121	7.70	chr1	N/A	5	56.74
Hs.648629	7.70	chr16	N/A	7	55.90
PNPLA3	7.70	chr22	22q13.31	22	50.31
Hs.555012	7.70	chr1	N/A	7	56.06

PVRL4	7.70	chr1	1q22-q23.2	26	59.43
Hs.135067	7.70	chr4	N/A	11	53.59
Hs.577969	7.70	chr13	N/A	3	34.31
Hs.562870	7.70	chr2	N/A	3	36.94
Hs.607738	7.70	chr2	N/A	10	93.91
Hs.741753	7.70	chr2	N/A	25	61.94
Hs.659937	7.70	chr9	N/A	7	57.42
Hs.367445	7.70	chr1	N/A	5	76.25
Hs.349024	7.70	chr7	N/A	7	61.29
Hs.580052	7.70	chr2	N/A	10	48.52
Hs.724217	7.70	chr9	N/A	11	59.02
Hs.371681	7.70	chr3	N/A	5	27.73
Hs.611628	7.70	chr6	N/A	1	0.00
Hs.541571	7.70	chr2	N/A	3	4.77
Hs.657282	7.70	chr16	N/A	7	45.95
Hs.542826	7.70	chr3	N/A	3	72.70
CALML3-AS1	7.70	chr10	10p15.1	3	41.56
Hs.599797	7.70	chr10	N/A	3	42.40
EDDM3B	7.70	chr14	14q11.2	38	87.49
Hs.538495	7.70	chr10	N/A	3	12.74
Hs.733630	7.69	chr18	N/A	1	0.00
Hs.545349	7.69	chr8	N/A	5	48.82
Hs.550867	7.69	chr11	N/A	3	10.38
XAGE5	7.69	chrX	Xp11.22	20	102.96
IMPG1	7.69	chr6	6q14.2-q15	31	113.16
Hs.734243	7.69	chr6	N/A	2	48.79
Hs.600633	7.69	chr4	N/A	7	57.73
C12orf74	7.69	chr12	12q22	11	117.89
CT45A5	7.69	chrX	Xq26.3	22	50.44
Hs.662004	7.69	chr2	N/A	11	127.12
Hs.634514	7.69	chr3	N/A	7	43.98
Hs.604477	7.69	chr7	N/A	7	68.62
Hs.666590	7.69	chr6	N/A	7	74.57
SPAG6	7.69	chr10	10p12.2	62	75.26
Hs.708046	7.69	chr1	N/A	10	92.90
Hs.544632	7.69	chr6	N/A	3	19.80
Hs.633790	7.69	chr16	N/A	7	72.79
Hs.301557	7.69	chr21	N/A	3	15.48
Hs.541535	7.69	chr2	N/A	3	36.14
FLJ45139	7.69	chr21	21q22.2	3	30.11
Hs.511790	7.69	chr15	N/A	11	86.02
LOC647323	7.69	chr3	3q29	14	94.04
OR8G1	7.69	chr11	11q24.2	15	38.52
Hs.569715	7.69	chr17	N/A	7	54.11
Hs.660554	7.69	chr7	N/A	7	51.66
Hs.499194	7.68	chr16	N/A	7	81.64
PCDH8	7.68	chr13	13q21.1	33	81.07
Hs.580470	7.68	chr2	N/A	3	19.49
LOC100128993	7.68	chr8	8p21.3	6	106.68
Hs.733315	7.68	chr2	N/A	7	46.46
Hs.604415	7.68	chr7	N/A	7	87.73
Hs.566106	7.68	chr4	N/A	3	4.34
Hs.128105	7.68	chr15	N/A	3	29.07
Hs.554917	7.68	chr20	N/A	3	45.13
Hs.538010	7.68	chr1	N/A	3	48.40
LINC00271	7.68	chr6	6q23.3	8	71.08
Hs.584276	7.68	chr9	N/A	3	12.45
LOR	7.68	chr1	1q21	33	56.06
Hs.663902	7.68	chr7	N/A	14	44.13
Hs.658923	7.68	chr8	N/A	7	81.19
Hs.670193	7.68	chr1	N/A	1	0.00
Hs.531084	7.68	chr14	N/A	7	39.20
Hs.578510	7.67	chr15	N/A	3	32.69
Hs.603994	7.67	chr7	N/A	2	70.06
SNORD27	7.67	chr11	11q13	3	55.37
Hs.137068	7.67	chr4	N/A	3	50.69

Hs.333749	7.67	chr12	N/A	3	33.67
Hs.738382	7.67	chr4	N/A	3	52.07
Hs.538641	7.67	chr10	N/A	3	40.70
LOC100506496	7.67	chr6	N/A	1	0.00
Hs.134848	7.67	chr14	N/A	7	40.09
Hs.602760	7.67	chr10	N/A	2	43.79
SH2D3A	7.67	chr19	19p13.3	21	43.51
Hs.600901	7.67	chr3	N/A	7	57.92
Hs.657481	7.67	chr8	N/A	1	0.00
Hs.539084	7.67	chr11	N/A	10	84.55
LOC100131822	7.67	chr17	17q12	2	19.53
Hs.249709	7.66	chr2	N/A	3	64.35
Hs.670445	7.66	chr18	N/A	3	14.84
Hs.575315	7.66	chr6	N/A	3	18.99
Hs.131295	7.66	chr1	N/A	2	51.95
Hs.713240	7.66	chr14	N/A	14	57.01
Hs.544430	7.66	chr6	N/A	3	54.11
Hs.579370	7.66	chr18	N/A	3	67.30
Hs.633464	7.66	chr5	N/A	3	34.83
Hs.386211	7.66	chr12	N/A	2	62.14
Hs.131057	7.66	chr2	N/A	12	44.48
ATP6V1G3	7.66	chr1	1q31.3	34	95.83
Hs.543708	7.66	chr4	N/A	3	36.84
Hs.608569	7.66	chr10	N/A	3	40.21
C1orf147	7.66	chr1	1q32.1	3	24.55
Hs.648838	7.66	chr2	N/A	14	67.16
OR4D11	7.66	chr11	11q12.1	3	24.06
WDR76	7.66	chr15	15q15.3	25	78.51
Hs.602083	7.66	chr1	N/A	7	33.94
Hs.599679	7.66	chr8	N/A	3	45.17
Hs.333327	7.66	chr1	N/A	3	43.85
Hs.563768	7.66	chr1	N/A	3	58.50
Hs.666473	7.66	chr16	N/A	7	55.48
Hs.148308	7.66	chr3	N/A	3	52.91
Hs.667440	7.66	chr20	N/A	3	7.87
CALR3	7.65	chr19	19p13.11	19	93.50
Hs.658045	7.65	chr1	N/A	7	47.18
Hs.582720	7.65	chr6	N/A	3	48.54
Hs.661465	7.65	chr12	N/A	8	65.30
Hs.731893	7.65	chr10	N/A	1	0.00
Hs.660176	7.65	chr10	N/A	8	81.21
Hs.493239	7.65	chr9	N/A	12	76.75
Hs.452702	7.65	chr3	N/A	22	43.45
TLL10	7.65	chr1	1p36.33	28	83.66
Hs.143939	7.65	chr16	N/A	6	31.06
BANF2	7.65	chr20	20p12.1	27	91.26
Hs.666920	7.65	chr10	N/A	11	68.56
Hs.98388	7.65	chr2	N/A	8	34.49
Hs.486451	7.65	chr6	N/A	5	45.83
Hs.667960	7.65	chr2	N/A	2	21.22
Hs.122013	7.65	chr10	N/A	3	44.35
Hs.661379	7.65	chr5	N/A	19	67.59
LOC400794	7.65	chr1	1q23.3-q24.1	23	63.30
Hs.638426	7.65	chr3	N/A	1	0.00
Hs.661845	7.65	chr3	N/A	7	68.27
DDX53	7.65	chrX	Xp22.11	19	109.44
Hs.635367	7.65	chr18	N/A	3	56.92
Hs.524256	7.65	chr12	N/A	3	96.13
GJB2	7.65	chr13	13q11-q12	47	112.09
LOC100506527	7.65	chr7	N/A	8	110.41
LINC00240	7.65	chr6	6p22.2	1	0.00
Hs.436313	7.64	chr1	N/A	3	48.81
C3orf56	7.64	chr3	3q21.3	4	57.36
Hs.539234	7.64	chr12	N/A	10	66.42
Hs.561034	7.64	chr21	N/A	4	43.46
Hs.652875	7.64	chr3	N/A	3	61.75

Hs.464614	7.64	chr18	N/A	3	25.97
Hs.655063	7.64	chr8	N/A	18	59.82
Hs.160681	7.64	chr9	N/A	4	58.61
Hs.566219	7.64	chr5	N/A	3	49.96
Hs.658833	7.64	chr1	N/A	10	40.32
Hs.542849	7.64	chr3	N/A	3	35.89
VWC2L	7.64	chr2	2q34-q35	5	58.96
Hs.443475	7.64	chr2	N/A	8	74.06
SLC22A31	7.64	chr16	16q24.3	9	28.02
Hs.386527	7.64	chr11	N/A	10	55.01
Hs.143707	7.64	chr1	N/A	22	59.60
Hs.128103	7.64	chr7	N/A	4	53.31
Hs.656843	7.64	chr18	N/A	8	64.30
OR6C3	7.64	chr12	12q13.2	3	68.06
HCG22	7.64	chr6	6p21.33	14	110.61
Hs.147740	7.64	chr2	N/A	2	47.86
Hs.164406	7.64	chr10	N/A	3	77.07
Hs.566816	7.63	chr8	N/A	3	52.44
Hs.122280	7.63	chr11	N/A	5	32.26
SLFNL1-AS1	7.63	chr1	1p34	1	0.00
Hs.565658	7.63	chr20	N/A	3	32.86
LOC100130348	7.63	chr11	11q13.1	7	47.85
Hs.577287	7.63	chr11	N/A	3	18.48
Hs.602739	7.63	chr20	N/A	7	69.45
TEX22	7.63	chr14	14q32.33	1	0.00
Hs.738316	7.63	chr2	N/A	3	32.23
Hs.675747	7.63	chr7	N/A	1	0.00
CLEC5A	7.63	chr7	7q33	38	85.21
C13orf45	7.63	chr13	13q22.2	28	41.67
C9orf43	7.63	chr9	9q32	22	72.81
Hs.266249	7.63	chr19	N/A	3	50.87
Hs.47390	7.63	chr18	N/A	5	20.89
LOC647264	7.63	chr13	13q21.31	6	43.56
MKX	7.62	chr10	10p12.1	41	56.27
Hs.543809	7.62	chr5	N/A	3	28.47
DMRT3	7.62	chr9	9p24.3	60	94.26
Hs.657049	7.62	chr19	N/A	7	64.61
Hs.666530	7.62	chr10	N/A	15	50.79
Hs.499682	7.62	chr10	N/A	1	0.00
Hs.614065	7.62	chr17	N/A	1	0.00
Hs.148509	7.62	chr3	N/A	2	16.39
Hs.545278	7.62	chr8	N/A	3	73.58
Hs.564948	7.62	chr16	N/A	3	71.53
Hs.601113	7.62	chr16	N/A	7	61.47
Hs.661626	7.62	chr1	N/A	1	0.00
Hs.603668	7.62	chr6	N/A	10	69.09
Hs.208555	7.62	chr2	N/A	3	48.07
Hs.497647	7.62	chr1	N/A	7	92.96
Hs.597871	7.62	chr1	N/A	7	58.02
CSN3	7.62	chr4	4q21.1	23	146.73
Hs.385576	7.62	chr10	N/A	4	56.98
Hs.659027	7.62	chr11	N/A	7	53.86
Hs.562753	7.62	chr18	N/A	7	46.27
Hs.545220	7.61	chr8	N/A	3	41.27
Hs.146479	7.61	chr11	N/A	3	39.54
Hs.552232	7.61	chr15	N/A	3	60.88
Hs.649344	7.61	chr7	N/A	5	56.51
Hs.543804	7.61	chr5	N/A	3	13.22
Hs.666905	7.61	chr16	N/A	18	54.11
Hs.544666	7.61	chr6	N/A	3	21.89
Hs.548438	7.61	chr14	N/A	3	32.29
Hs.655631	7.61	chr1	N/A	1	0.00
Hs.561320	7.61	chr4	N/A	3	91.77
DEFA6	7.61	chr8	8p23.1	33	70.72
Hs.649460	7.61	chr2	N/A	3	29.36
Hs.560292	7.61	chr14	N/A	3	79.55

Hs.602968	7.61	chr15	N/A	7	77.03
H2AFB1	7.61	chrX	Xq28	6	44.56
Hs.581397	7.61	chr3	N/A	3	47.97
Hs.708116	7.61	chr1	N/A	1	0.00
CCDC65	7.60	chr12	12q13.12	19	131.91
Hs.126246	7.60	chr5	N/A	22	81.57
Hs.537621	7.60	chr1	N/A	3	23.42
Hs.562190	7.60	chr1	N/A	5	32.61
Hs.147865	7.60	chrX	N/A	10	86.15
Hs.170378	7.60	chr15	N/A	4	30.16
Hs.7151	7.60	chr2	N/A	3	54.95
Hs.148569	7.60	chr10	N/A	2	22.04
SCN11A	7.60	chr3	3p22.2	37	98.13
DEC1	7.60	chr9	9q32	31	42.52
Hs.135175	7.60	chr10	N/A	7	56.11
Hs.601150	7.60	chr9	N/A	7	80.14
Hs.125646	7.60	chr6	N/A	7	43.95
Hs.539798	7.60	chr13	N/A	3	14.99
LOC100288846	7.60	chr14	14q21.1	18	33.04
Hs.671380	7.60	chr13	N/A	3	33.99
Hs.554640	7.60	chr2	N/A	3	29.84
Hs.659397	7.60	chr16	N/A	2	27.17
Hs.656622	7.60	chr15	N/A	1	0.00
ARSH	7.60	chrX	Xp22.33	6	24.55
Hs.324547	7.60	chr11	N/A	3	26.16
Hs.595873	7.60	chr17	N/A	8	43.99
Hs.132477	7.60	chr6	N/A	3	45.35
Hs.666745	7.60	chr3	N/A	2	30.03
Hs.600558	7.60	chr7	N/A	7	82.75
Hs.733700	7.60	chr21	N/A	7	86.46
Hs.665194	7.60	chr2	N/A	1	0.00
Hs.664218	7.59	chr2	N/A	7	71.48
FLJ41170	7.59	chr14	14q32.31	4	68.34
Hs.657117	7.59	chr1	N/A	1	0.00
Hs.575344	7.59	chr6	N/A	3	25.87
LOC728769	7.59	chr5	5q14.1	21	60.35
Hs.635931	7.59	chr12	N/A	3	18.15
Hs.662524	7.59	chr8	N/A	12	74.21
Hs.604207	7.59	chr1	N/A	7	67.77
Hs.127927	7.59	chr5	N/A	10	46.45
DNAJC27-AS1	7.59	chr2	2p23.3	4	41.94
Hs.519911	7.59	chr6	N/A	3	79.39
OR11H1	7.59	chr22	22q11.2	6	46.63
Hs.118704	7.59	chr17	N/A	7	72.39
LOC100507389	7.59	chr3	3q23	9	90.28
Hs.147449	7.59	chr8	N/A	2	26.29
Hs.734948	7.59	chr8	N/A	1	0.00
Hs.658941	7.59	chr13	N/A	2	2.97
Hs.554654	7.59	chr11	N/A	3	15.63
Hs.542136	7.59	chr2	N/A	3	51.63
Hs.666412	7.59	chr5	N/A	7	47.82
Hs.539672	7.59	chr13	N/A	10	38.08
SIAH3	7.59	chr13	13q14.13	27	100.38
RAG1	7.59	chr11	11p13	32	109.22
ADCY8	7.59	chr8	8q24	23	70.47
Hs.121401	7.59	chr10	N/A	3	33.68
Hs.348697	7.59	chr2	N/A	4	81.02
Hs.543885	7.59	chr5	N/A	3	24.70
Hs.134215	7.58	chr6	N/A	14	28.95
Hs.570090	7.58	chr2	N/A	3	64.42
Hs.128220	7.58	chr3	N/A	7	74.41
Hs.633639	7.58	chr1	N/A	17	47.89
Hs.552143	7.58	chr8	N/A	3	10.47
Hs.563704	7.58	chr1	N/A	10	50.41
Hs.735010	7.58	chr20	N/A	3	25.95
LOC100506530	7.58	chr15	N/A	11	66.97

Hs.668372	7.58	chr6	N/A	7	54.76
Hs.147493	7.58	chr18	N/A	2	1.00
Hs.667168	7.58	chr11	N/A	7	83.80
Hs.379473	7.58	chr2	N/A	3	92.94
Hs.668337	7.58	chr5	N/A	7	16.57
Hs.180848	7.58	chr5	N/A	7	74.89
Hs.542903	7.58	chr3	N/A	3	46.07
Hs.552396	7.58	chr15	N/A	10	82.03
LINC00658	7.57	chr20	N/A	9	59.77
Hs.455888	7.57	chr14	N/A	10	103.90
OR4N4	7.57	chr15	15q11.2	46	66.89
GUCY2F	7.57	chrX	Xq22	25	88.31
Hs.518419	7.57	chr3	N/A	7	66.53
MBD3L2	7.57	chr19	19p13.2	14	87.36
Hs.586850	7.57	chr14	N/A	10	31.61
Hs.135227	7.57	chr17	N/A	4	59.52
SLCO1C1	7.57	chr12	12p12.2	24	73.71
Hs.62031	7.57	chr11	N/A	7	51.98
KRTAP10-1	7.57	chr21	21q22.3	3	42.99
WNT8B	7.57	chr10	10q24	23	154.73
Hs.652454	7.57	chr1	N/A	4	88.71
LOC100506558	7.57	chr8	N/A	8	65.40
DKFZp667F0711	7.57	chr10	10p15.1	11	34.28
LOC100506599	7.56	chr9	N/A	2	48.88
Hs.734170	7.56	chr7	N/A	7	59.21
Hs.659130	7.56	chr10	N/A	14	71.79
Hs.149888	7.56	chr8	N/A	3	77.00
Hs.571062	7.56	chr6	N/A	1	0.00
Hs.733185	7.56	chr2	N/A	1	0.00
Hs.619398	7.56	chr2	N/A	3	35.35
LINC00032	7.56	chr9	9p21	17	89.74
Hs.127945	7.56	chr12	N/A	3	14.14
Hs.130178	7.56	chr1	N/A	6	42.07
Hs.657871	7.56	chr19	N/A	8	52.38
Hs.732293	7.56	chr4	N/A	3	27.34
Hs.553307	7.56	chr1	N/A	3	65.10
Hs.662786	7.56	chr8	N/A	15	48.49
Hs.444971	7.56	chr8	N/A	1	0.00
Hs.232002	7.56	chr8	N/A	7	49.92
Hs.380270	7.56	chr6	N/A	7	55.45
Hs.570888	7.56	chr5	N/A	3	53.30
TMEM75	7.56	chr8	8q24.21	14	49.48
Hs.639476	7.56	chr14	N/A	7	48.82
PGA4	7.56	chr11	11q12.2	3	29.79
Hs.561236	7.55	chr4	N/A	2	86.64
Hs.664692	7.55	chr2	N/A	7	56.62
Hs.571860	7.55	chr1	N/A	3	39.20
OR1L6	7.55	chr9	9q33.2	8	39.61
Hs.666100	7.55	chr3	N/A	3	38.13
Hs.526519	7.55	chr2	N/A	17	43.95
Hs.599580	7.55	chr2	N/A	7	58.19
Hs.543801	7.55	chr5	N/A	3	6.72
Hs.439390	7.55	chr2	N/A	3	21.59
Hs.600012	7.55	chr8	N/A	5	42.43
Hs.636956	7.55	chr15	N/A	3	43.57
Hs.707327	7.55	chr2	N/A	1	0.00
Hs.658039	7.54	chr8	N/A	9	63.17
LOC388813	7.54	chr21	21q11.2	3	36.55
Hs.444361	7.54	chr4	N/A	7	47.73
FEZF1	7.54	chr7	7q31.32	3	5.70
Hs.145125	7.54	chr22	N/A	7	62.19
Hs.581868	7.54	chr4	N/A	3	46.49
Hs.721287	7.54	chr4	N/A	6	62.89
Hs.545640	7.54	chr9	N/A	3	100.84
Hs.250196	7.54	chr16	N/A	3	43.80
Hs.578021	7.54	chr13	N/A	3	45.18

LOC150622	7.54	chr2	2p25.2	40	50.70
MS4A13	7.54	chr11	11q12.2	6	42.71
SNORA59A	7.54	chr1	1p36.21	7	47.98
Hs.143730	7.54	chr22	N/A	2	18.44
SPTY2D1-AS1	7.54	chr11	N/A	19	76.18
LOC100996424	7.54	chr5	N/A	11	34.17
LOC100996388	7.54	chr7	N/A	15	52.28
PRKCQ-AS1	7.54	chr10	10p14	17	43.55
Hs.693354	7.54	chr9	N/A	2	7.16
IL9	7.54	chr5	5q31.1	26	119.59
Hs.577543	7.54	chr12	N/A	3	24.99
Hs.634293	7.54	chr2	N/A	10	137.77
Hs.579518	7.54	chr18	N/A	3	44.37
Hs.616262	7.53	chr2	N/A	10	20.95
Hs.670065	7.53	chr7	N/A	1	0.00
NPTX1	7.53	chr17	17q25.3	39	60.53
Hs.670716	7.53	chr12	N/A	11	41.64
Hs.662828	7.53	chr4	N/A	7	27.85
Hs.541726	7.53	chr2	N/A	3	32.21
Hs.407358	7.53	chr14	N/A	12	55.95
Hs.538288	7.53	chr10	N/A	3	59.99
Hs.583581	7.53	chr8	N/A	3	110.13
Hs.352191	7.53	chr12	N/A	3	57.95
Hs.309682	7.53	chr2	N/A	3	20.27
Hs.705572	7.53	chr1	N/A	10	106.24
Hs.660335	7.53	chr18	N/A	2	79.51
Hs.132323	7.53	chr6	N/A	2	15.94
TNFRSF11A	7.53	chr18	18q22.1	34	49.26
Hs.565049	7.53	chr17	N/A	3	14.79
SLC7A13	7.52	chr8	8q21.3	24	42.91
Hs.734498	7.52	chr8	N/A	3	45.87
Hs.606876	7.52	chr4	N/A	1	0.00
Hs.658508	7.52	chr10	N/A	7	98.77
C1orf146	7.52	chr1	1p22.1	11	58.10
Hs.120863	7.52	chr12	N/A	10	72.41
Hs.737141	7.52	chr8	N/A	1	0.00
WBSCR28	7.52	chr7	7q11.23	26	71.93
Hs.529553	7.52	chr3	N/A	15	50.68
Hs.624381	7.52	chr8	N/A	3	48.96
Hs.380243	7.52	chr21	N/A	10	38.09
Hs.665157	7.52	chr2	N/A	1	0.00
Hs.161332	7.52	chr2	N/A	4	7.87
Hs.570432	7.52	chr21	N/A	7	69.40
Hs.667681	7.52	chr11	N/A	2	29.19
Hs.232744	7.52	chr16	N/A	3	42.13
Hs.385569	7.52	chr2	N/A	2	108.18
Hs.660481	7.52	chr15	N/A	1	0.00
VNN3	7.52	chr6	6q23.2	46	81.20
Hs.602514	7.52	chr11	N/A	14	29.22
H1FOO	7.52	chr3	3q22.1	19	40.87
Hs.739355	7.52	chr18	N/A	3	21.39
Hs.147867	7.52	chr10	N/A	3	48.92
Hs.602279	7.52	chr5	N/A	14	72.04
Hs.308169	7.52	chr15	N/A	10	97.62
FZD10-AS1	7.51	chr12	12q24.33	22	27.22
LOC390760	7.51	chr17	17p13.1	13	61.48
LOC145837	7.51	chr15	15q23	13	49.98
CSTL1	7.51	chr20	20p11.21	19	63.51
Hs.274848	7.51	chr4	N/A	18	93.11
Hs.98754	7.51	chr5	N/A	6	41.38
Hs.539479	7.51	chr12	N/A	3	22.98
VN1R3	7.51	chr16	16p11.2	13	44.73
Hs.557679	7.51	chr14	N/A	3	44.67
Hs.292141	7.51	chr6	N/A	7	81.16
Hs.667375	7.51	chr22	N/A	7	62.20
Hs.596373	7.51	chrX	N/A	7	29.76

Hs.559701	7.51	chr1	N/A	3	38.60
Hs.604644	7.51	chr12	N/A	7	74.26
Hs.509113	7.51	chr14	N/A	7	47.39
Hs.563790	7.51	chr1	N/A	3	61.41
Hs.550659	7.51	chr16	N/A	1	0.00
Hs.119901	7.51	chr18	N/A	7	52.92
ANGPTL3	7.51	chr1	1p31.3	33	86.22
Hs.540137	7.50	chr15	N/A	3	54.48
Hs.616763	7.50	chr11	N/A	1	0.00
Hs.580410	7.50	chr2	N/A	3	20.14
Hs.163022	7.50	chr16	N/A	3	41.18
Hs.122034	7.50	chr17	N/A	10	55.63
Hs.718842	7.50	chr7	N/A	1	0.00
Hs.655039	7.50	chr4	N/A	7	133.93
Hs.566665	7.50	chr7	N/A	3	43.11
Hs.663146	7.50	chr2	N/A	7	61.92
Hs.444924	7.50	chr4	N/A	7	46.33
LOC100129675	7.50	chr2	2q37.3	7	35.35
LOC100132593	7.50	chr7	7q22.1	10	26.45
Hs.733330	7.50	chr5	N/A	8	57.77
Hs.668340	7.50	chr1	N/A	7	100.46
MGC27382	7.50	chr1	1p31.1	14	55.37
PAGE1	7.50	chrX	Xp11.23	30	72.23
Hs.443260	7.50	chr20	N/A	3	28.06
BPY2	7.50	chrY	Yq11	13	49.80
Hs.530140	7.49	chr8	N/A	7	57.82
Hs.667494	7.49	chr17	N/A	8	44.98
Hs.672504	7.49	chr6	N/A	2	93.80
Hs.543415	7.49	chr4	N/A	7	90.73
Hs.130009	7.49	chr4	N/A	14	65.97
Hs.582299	7.49	chr5	N/A	3	48.99
DDX25	7.49	chr11	11q24	26	75.72
Hs.574286	7.49	chr15	N/A	3	46.85
Hs.562594	7.49	chr15	N/A	3	19.55
Hs.121144	7.49	chr5	N/A	3	17.08
CWH43	7.49	chr4	4p11	26	98.18
Hs.652655	7.49	chr4	N/A	5	85.64
LOC100505811	7.49	chr5	N/A	1	0.00
Hs.540963	7.49	chr18	N/A	3	41.24
Hs.541296	7.49	chr19	N/A	3	54.78
Hs.544372	7.49	chr6	N/A	3	64.44
ZBTB7C	7.49	chr18	18q21.1	15	53.66
Hs.576807	7.49	chr10	N/A	3	60.05
Hs.150064	7.49	chr5	N/A	29	60.68
Hs.368894	7.49	chr16	N/A	10	69.96
CNIH3	7.49	chr1	1q42.12	23	55.22
Hs.188213	7.49	chr2	N/A	11	59.17
Hs.611718	7.48	chr7	N/A	1	0.00
Hs.126513	7.48	chr12	N/A	10	46.51
Hs.603193	7.48	chr4	N/A	7	68.56
Hs.552131	7.48	chr7	N/A	3	51.22
Hs.538152	7.48	chr1	N/A	3	49.84
Hs.570849	7.48	chr4	N/A	10	135.72
Hs.667401	7.48	chr12	N/A	1	0.00
Hs.732574	7.48	chr3	N/A	3	57.63
Hs.691592	7.48	chr3	N/A	8	67.19
Hs.656717	7.48	chr2	N/A	7	77.50
LOC100505697	7.48	chr6	N/A	3	35.18
Hs.207481	7.48	chr6	N/A	3	36.10
Hs.569096	7.48	chr12	N/A	4	110.50
CPXCR1	7.48	chrX	Xq21.3	21	93.38
CCR8	7.48	chr3	3p22	33	75.36
Hs.544012	7.48	chr5	N/A	3	45.97
Hs.655766	7.48	chr16	N/A	18	176.38
Hs.664754	7.48	chr2	N/A	7	70.67
Hs.657118	7.48	chr2	N/A	8	109.10

Hs.145149	7.48	chr1	N/A	5	43.56
Hs.542414	7.48	chr20	N/A	3	47.16
Hs.578568	7.48	chr15	N/A	3	45.44
Hs.539206	7.47	chr12	N/A	3	10.61
Hs.542804	7.47	chr3	N/A	3	62.19
C2orf83	7.47	chr2	2q36.3	18	82.15
Hs.661659	7.47	chr3	N/A	1	0.00
Hs.579572	7.47	chr19	N/A	3	73.60
Hs.666390	7.47	chrX	N/A	7	32.06
SLC2A1-AS1	7.47	chr1	1p34.2	1	0.00
Hs.534682	7.47	chr3	N/A	4	61.07
Hs.435235	7.47	chr5	N/A	3	67.65
Hs.734221	7.47	chr9	N/A	2	57.68
Hs.542874	7.47	chr3	N/A	3	70.78
Hs.669146	7.47	chr8	N/A	2	58.95
Hs.664158	7.47	chr6	N/A	7	39.79
Hs.668508	7.47	chr12	N/A	7	56.98
Hs.658384	7.47	chr1	N/A	1	0.00
Hs.665755	7.47	chr8	N/A	8	65.43
Hs.606890	7.47	chr8	N/A	5	36.50
Hs.639778	7.47	chr10	N/A	3	51.88
UGT2A3	7.47	chr4	4q13.2	31	104.26
Hs.576580	7.47	chr10	N/A	3	68.51
Hs.537766	7.47	chr1	N/A	10	69.21
Hs.735832	7.46	chr19	N/A	2	19.98
Hs.596844	7.46	chr2	N/A	3	125.94
Hs.659557	7.46	chr6	N/A	3	104.96
ACER2	7.46	chr9	9p22.1	13	52.87
Hs.659484	7.46	chr6	N/A	7	49.77
MGC34034	7.46	chr6	6q23.2	15	65.32
Hs.667995	7.46	chrX	N/A	3	103.16
Hs.537845	7.46	chr1	N/A	7	62.43
AKNAD1	7.46	chr1	1p13.3	32	70.58
Hs.553450	7.46	chr2	N/A	3	33.75
Hs.491872	7.46	chr8	N/A	14	48.02
Hs.599383	7.46	chr4	N/A	1	0.00
Hs.667037	7.46	chr12	N/A	7	42.92
Hs.601091	7.46	chr1	N/A	7	43.08
Hs.659590	7.46	chr5	N/A	3	28.30
Hs.570385	7.46	chr20	N/A	3	64.58
Hs.434883	7.46	chr10	N/A	8	36.19
TMEM211	7.46	chr22	22q11.23	8	27.59
Hs.579239	7.46	chr17	N/A	3	58.20
Hs.671883	7.46	chr14	N/A	1	0.00
Hs.733962	7.45	chr1	N/A	4	37.82
Hs.587345	7.45	chr5	N/A	4	54.05
Hs.668548	7.45	chr10	N/A	2	15.25
Hs.659559	7.45	chr18	N/A	1	0.00
LOC728606	7.45	chr18	18q11.2	1	0.00
Hs.658577	7.45	chr2	N/A	7	50.92
C14orf39	7.45	chr14	14q23.1	24	128.77
Hs.546217	7.45	chrY	N/A	3	64.78
Hs.539376	7.45	chr12	N/A	3	49.11
Hs.128851	7.45	chr20	N/A	10	41.90
Hs.561885	7.45	chr8	N/A	10	96.82
Hs.510096	7.45	chr14	N/A	3	46.43
Hs.662512	7.45	chr19	N/A	7	123.40
Hs.603810	7.45	chr15	N/A	7	63.26
MIR4500HG	7.45	chr13	13q31.2	8	94.12
Hs.269386	7.45	chr2	N/A	10	32.70
Hs.557909	7.45	chr10	N/A	3	17.40
Hs.120377	7.45	chr2	N/A	18	62.12
Hs.594107	7.45	chr12	N/A	7	55.38
Hs.557620	7.45	chr15	N/A	3	18.29
Hs.660611	7.45	chr2	N/A	8	68.95
Hs.112050	7.45	chr10	N/A	11	58.13

Hs.543193	7.45	chr3	N/A	3	36.91
Hs.631683	7.45	chr18	N/A	14	59.26
BAAT	7.45	chr9	9q22.3	29	76.88
EFCAB6-AS1	7.45	chr22	N/A	3	99.56
SNORD8	7.44	chr14	14q11.2	2	59.62
Hs.655186	7.44	chr15	N/A	7	49.34
Hs.127788	7.44	chr5	N/A	14	64.32
Hs.171389	7.44	chr6	N/A	3	74.70
Hs.667978	7.44	chr10	N/A	7	87.45
Hs.666665	7.44	chr3	N/A	3	63.59
Hs.666649	7.44	chr15	N/A	3	80.27
LOC100506907	7.44	chr3	N/A	23	74.85
Hs.132305	7.44	chr2	N/A	4	83.79
Hs.542979	7.44	chr3	N/A	3	8.42
Hs.543222	7.44	chr3	N/A	3	21.04
Hs.369009	7.44	chr10	N/A	1	0.00
Hs.601132	7.44	chr22	N/A	7	68.28
Hs.564502	7.44	chr12	N/A	3	30.10
FAM72D	7.44	chr1	1q21.1	13	58.92
Hs.597972	7.44	chr3	N/A	3	50.60
LOC100507378	7.44	chr16	N/A	1	0.00
Hs.676276	7.43	chr7	N/A	5	93.96
Hs.196114	7.43	chr8	N/A	3	55.97
ITGA4	7.43	chr2	2q31.3	32	96.54
Hs.657705	7.43	chr1	N/A	7	73.37
KRTAP5-7	7.43	chr11	11q13.4	5	60.58
Hs.680119	7.43	chr5	N/A	1	0.00
Hs.562343	7.43	chr11	N/A	3	34.06
Hs.145250	7.43	chr20	N/A	2	7.93
PLA2G2C	7.43	chr1	1p36.12	2	28.60
TOPAZ1	7.43	chr3	3p21.31	7	52.08
Hs.527503	7.43	chr9	N/A	3	13.86
Hs.125714	7.43	chr8	N/A	7	59.35
Hs.603751	7.43	chr4	N/A	3	32.48
Hs.580051	7.43	chr2	N/A	3	26.42
Hs.657193	7.43	chr1	N/A	7	55.70
Hs.644194	7.43	chr1	N/A	7	56.96
Hs.677120	7.43	chr2	N/A	1	0.00
Hs.543474	7.43	chr4	N/A	3	17.29
TRAPPC3L	7.43	chr6	6q22.1	20	80.60
C2orf54	7.43	chr2	2q37.3	21	84.78
Hs.565836	7.43	chr3	N/A	3	12.28
LGSN	7.43	chr6	6pter-q22.33	27	49.05
Hs.134696	7.42	chr9	N/A	3	45.88
Hs.127851	7.42	chr1	N/A	7	62.83
Hs.569318	7.42	chr14	N/A	3	61.42
Hs.581083	7.42	chr22	N/A	3	25.84
TAAR9	7.42	chr6	6q23.2	17	75.98
Hs.562268	7.42	chr10	N/A	7	38.97
LOC152742	7.42	chr4	4p15.33	4	39.32
Hs.132373	7.42	chr7	N/A	5	31.01
GYPA	7.42	chr4	4q31.21	95	98.13
Hs.602672	7.42	chr13	N/A	7	41.10
Hs.547058	7.42	chr4	N/A	4	70.20
Hs.558017	7.42	chr17	N/A	3	58.14
Hs.636074	7.42	chr1	N/A	1	0.00
Hs.569916	7.42	chr18	N/A	3	17.25
Hs.391083	7.42	chr16	N/A	3	36.95
Hs.610023	7.42	chr16	N/A	8	61.06
Hs.604404	7.42	chr3	N/A	7	95.26
TMPRSS11F	7.42	chr4	4q13.2	18	113.49
LOC100507018	7.42	chr8	N/A	11	81.98
NLRP11	7.42	chr19	19q13.43	21	142.89
Hs.104943	7.41	chr14	N/A	10	40.17
Hs.147790	7.41	chrX	N/A	2	31.94
Hs.28312	7.41	chr4	N/A	7	90.87

Hs.655490	7.41	chr15	N/A	7	61.28
Hs.644927	7.41	chr18	N/A	7	33.75
Hs.545331	7.41	chr8	N/A	3	40.30
CLDN16	7.41	chr3	3q28	27	54.94
Hs.523897	7.41	chr1	N/A	1	0.00
C10orf40	7.41	chr10	10q21.2	8	29.61
OR1G1	7.41	chr17	17p13.3	21	55.30
Hs.634979	7.41	chr12	N/A	7	76.81
Hs.125543	7.41	chr6	N/A	12	89.53
Hs.627760	7.41	chr5	N/A	3	52.38
Hs.545594	7.41	chr9	N/A	3	9.82
Hs.541067	7.41	chr18	N/A	3	44.65
Hs.559866	7.41	chr10	N/A	3	4.12
Hs.541967	7.41	chr2	N/A	3	39.80
SMC1B	7.41	chr22	22q13.31	17	54.05
CCER1	7.40	chr12	12q21.33	19	83.32
Hs.580850	7.40	chr21	N/A	3	33.62
Hs.27017	7.40	chr1	N/A	1	0.00
Hs.564967	7.40	chr16	N/A	3	82.46
Hs.209986	7.40	chr2	N/A	3	25.04
TMPRSS11E	7.40	chr4	4q13.2	21	47.21
Hs.581020	7.40	chr22	N/A	3	74.64
Hs.594255	7.40	chr1	N/A	7	41.43
PTPN22	7.40	chr1	1p13.2	64	86.69
SRY	7.40	chrY	Yp11.3	21	71.37
Hs.550627	7.40	chr12	N/A	3	65.48
Hs.667325	7.40	chr11	N/A	2	61.55
Hs.667503	7.40	chr9	N/A	2	9.83
Hs.97611	7.39	chr1	N/A	7	62.26
LHFPL3-AS2	7.39	chr7	N/A	23	51.37
LOC100128816	7.39	chr12	12p13.32	10	39.06
Hs.570433	7.39	chr21	N/A	8	68.96
Hs.548007	7.39	chr16	N/A	3	60.93
ARL11	7.39	chr13	13q14.2	40	93.09
Hs.545131	7.39	chr7	N/A	3	38.92
Hs.543806	7.39	chr5	N/A	3	20.18
Hs.573894	7.39	chr10	N/A	7	49.85
Hs.578778	7.39	chr16	N/A	3	39.49
Hs.640526	7.39	chr2	N/A	3	72.65
Hs.157349	7.39	chr5	N/A	3	33.67
Hs.458593	7.39	chr15	N/A	3	70.88
Hs.668902	7.39	chr10	N/A	1	0.00
Hs.742395	7.39	chr6	N/A	3	6.31
Hs.244651	7.39	chr19	N/A	8	36.27
Hs.544375	7.39	chr6	N/A	3	33.71
Hs.637871	7.39	chr15	N/A	3	37.88
LOC100506314	7.39	chr12	N/A	9	70.72
SLC5A3	7.39	chr21	21q22.12	5	36.72
Hs.149361	7.38	chr1	N/A	3	67.26
Hs.559930	7.38	chr11	N/A	6	53.06
Hs.733883	7.38	chr14	N/A	7	31.10
Hs.667423	7.38	chr14	N/A	2	26.87
Hs.581649	7.38	chr3	N/A	3	8.36
Hs.662711	7.38	chr16	N/A	7	71.69
Hs.131628	7.38	chr2	N/A	10	37.60
KIAA0825	7.38	chr5	5q15	35	87.22
Hs.569801	7.38	chr17	N/A	7	29.45
OR5AK2	7.38	chr11	11q12.1	20	60.64
Hs.737044	7.38	chr13	N/A	2	44.71
Hs.552655	7.38	chr1	N/A	1	0.00
Hs.521623	7.38	chr8	N/A	3	52.33
SPATA19	7.38	chr11	11q25	17	66.74
Hs.662002	7.38	chr15	N/A	2	20.87
Hs.565471	7.38	chr2	N/A	3	62.29
PAGE5	7.38	chrX	Xp11.21	23	75.69
Hs.666917	7.38	chr12	N/A	7	41.01

Hs.199349	7.38	chr2	N/A	1	0.00
Hs.538551	7.38	chr10	N/A	3	47.12
Hs.560090	7.38	chr12	N/A	7	65.53
FLJ42842	7.38	chr17	17q21.33	3	54.43
OTOL1	7.38	chr3	3q26.1	5	40.94
TTY21B	7.38	chrY	Yp11.2	16	128.95
Hs.559941	7.38	chr11	N/A	3	16.36
Hs.436433	7.38	chr8	N/A	1	0.00
Hs.153395	7.38	chr16	N/A	3	33.55
Hs.148519	7.37	chr1	N/A	5	66.11
Hs.582715	7.37	chr6	N/A	3	55.82
Hs.662627	7.37	chr4	N/A	1	0.00
Hs.170193	7.37	chr3	N/A	3	80.39
Hs.659583	7.37	chr3	N/A	7	88.06
Hs.715716	7.37	chr10	N/A	1	0.00
Hs.604771	7.37	chr17	N/A	10	27.84
ENTPD8	7.37	chr9	9q34.3	22	56.30
LOXHD1	7.37	chr18	18q21.1	43	103.95
Hs.262868	7.37	chr22	N/A	7	57.81
BDNF-AS	7.37	chr11	11p14.1	2	57.07
Hs.562263	7.37	chr10	N/A	3	52.99
Hs.99745	7.37	chr19	N/A	8	46.69
Hs.602190	7.37	chr22	N/A	7	75.73
Hs.369401	7.37	chr6	N/A	5	41.51
TLL1	7.37	chr4	4q32-q33	34	67.33
Hs.539215	7.37	chr12	N/A	3	87.21
Hs.538117	7.37	chr1	N/A	3	57.13
Hs.577299	7.37	chr11	N/A	3	56.59
Hs.175811	7.37	chr12	N/A	3	14.12
Hs.559113	7.37	chr1	N/A	8	45.64
FLJ30679	7.37	chr16	16q24.1	14	76.35
Hs.712874	7.36	chr1	N/A	7	41.55
Hs.569684	7.36	chr16	N/A	6	67.25
GBX1	7.36	chr7	7q36.1	9	61.72
Hs.282861	7.36	chr2	N/A	18	78.46
Hs.550920	7.36	chr16	N/A	1	0.00
Hs.716107	7.36	chr15	N/A	1	0.00
Hs.662217	7.36	chr16	N/A	3	62.34
Hs.662480	7.36	chr1	N/A	11	34.11
Hs.545093	7.36	chr7	N/A	3	58.24
Hs.540519	7.36	chr16	N/A	3	78.41
Hs.334998	7.36	chr13	N/A	3	55.40
Hs.541684	7.36	chr2	N/A	3	57.97
Hs.566175	7.36	chr4	N/A	3	31.11
FRMD7	7.36	chrX	Xq26.2	18	86.15
Hs.603643	7.36	chr5	N/A	3	35.93
Hs.579236	7.36	chr17	N/A	3	21.88
Hs.298434	7.36	chr16	N/A	3	41.50
LOC100288152	7.36	chr5	5p15.33	8	29.59
Hs.566096	7.35	chr4	N/A	3	35.07
Hs.538338	7.35	chr10	N/A	3	15.85
Hs.624136	7.35	chr16	N/A	10	71.31
Hs.153349	7.35	chr8	N/A	3	83.42
Hs.667469	7.35	chr8	N/A	1	0.00
Hs.740750	7.35	chr10	N/A	9	84.20
C17orf66	7.35	chr17	17q12	24	55.67
Hs.566576	7.35	chr6	N/A	10	63.65
Hs.634193	7.35	chr1	N/A	7	93.84
Hs.662328	7.35	chr21	N/A	2	34.81
LINC00189	7.35	chr21	21q22.11	12	68.04
Hs.527213	7.35	chr5	N/A	2	33.31
Hs.603135	7.35	chr13	N/A	7	51.49
Hs.668232	7.35	chr20	N/A	1	0.00
Hs.661504	7.35	chr13	N/A	1	0.00
SCML4	7.35	chr6	6q21	29	85.89
Hs.372739	7.34	chr1	N/A	17	97.75

Hs.541757	7.34	chr2	N/A	3	57.72
Hs.161803	7.34	chr16	N/A	4	49.12
Hs.599934	7.34	chr3	N/A	7	62.21
Hs.600889	7.34	chr19	N/A	7	30.66
LOC100287387	7.34	chr2	2q37.3	17	65.94
Hs.542926	7.34	chr3	N/A	3	57.89
Hs.710548	7.34	chr17	N/A	3	47.05
FAM181A-AS1	7.34	chr14	14q32.12	8	70.29
Hs.733175	7.34	chr17	N/A	2	38.24
Hs.603871	7.34	chr3	N/A	1	0.00
Hs.736397	7.34	chr11	N/A	2	67.12
Hs.357612	7.34	chr6	N/A	3	72.18
Hs.663888	7.34	chr9	N/A	1	0.00
Hs.733594	7.34	chr11	N/A	8	49.80
Hs.127116	7.34	chr17	N/A	4	49.01
Hs.649308	7.34	chr7	N/A	3	16.58
Hs.668048	7.34	chr10	N/A	2	54.70
Hs.137053	7.34	chr1	N/A	10	54.10
PDX1	7.33	chr13	13q12.1	43	67.45
Hs.664103	7.33	chr20	N/A	7	67.50
GPR110	7.33	chr6	6p12.3	56	93.69
Hs.657487	7.33	chr4	N/A	8	73.52
Hs.661449	7.33	chr18	N/A	1	0.00
LINC00319	7.33	chr21	21q22.3	12	45.23
Hs.435480	7.33	chr7	N/A	5	94.53
Hs.663547	7.33	chr2	N/A	1	0.00
Hs.734238	7.33	chr1	N/A	2	27.86
Hs.667187	7.33	chr9	N/A	2	58.60
Hs.563370	7.33	chr6	N/A	3	81.82
LOC100505978	7.33	chr12	N/A	18	56.81
Hs.105962	7.33	chr8	N/A	3	48.38
Hs.662601	7.33	chr4	N/A	1	0.00
Hs.665136	7.33	chr2	N/A	1	0.00
Hs.562052	7.33	chrX	N/A	3	46.83
Hs.553947	7.33	chr3	N/A	16	39.33
Hs.443381	7.33	chr10	N/A	1	0.00
GPR18	7.33	chr13	13q32	32	112.64
LOC100126784	7.33	chr11	11p15.1	20	59.48
Hs.665207	7.33	chr2	N/A	4	57.73
Hs.295459	7.32	chr11	N/A	8	56.61
Hs.635315	7.32	chr2	N/A	7	38.76
Hs.535810	7.32	chr5	N/A	8	53.10
Hs.271003	7.32	chr12	N/A	7	59.12
Hs.540722	7.32	chr17	N/A	3	93.48
MAGI2-AS2	7.32	chr7	N/A	1	0.00
Hs.444307	7.32	chr4	N/A	7	110.15
Hs.579629	7.32	chr19	N/A	3	9.47
Hs.554717	7.32	chr3	N/A	3	22.61
Hs.662536	7.32	chr3	N/A	18	33.28
Hs.551263	7.32	chr9	N/A	3	33.73
Hs.443491	7.32	chr14	N/A	1	0.00
PLCZ1	7.32	chr12	12p12.3	26	60.03
Hs.610585	7.32	chr16	N/A	1	0.00
Hs.542479	7.32	chr20	N/A	3	45.91
LOC727982	7.32	chr2	2p25.2	19	73.70
Hs.734192	7.32	chr7	N/A	2	57.06
Hs.161354	7.32	chr13	N/A	1	0.00
ANKRD31	7.31	chr5	5q13.3	33	90.28
Hs.596700	7.31	chr1	N/A	8	86.72
WDR65	7.31	chr1	1p34.2	34	75.54
Hs.149004	7.31	chr16	N/A	11	68.04
LOC100507642	7.31	chr7	N/A	18	86.98
Hs.47563	7.31	chr3	N/A	7	74.92
Hs.667349	7.31	chr14	N/A	1	0.00
Hs.546060	7.31	chrX	N/A	3	38.26
Hs.657174	7.31	chr10	N/A	1	0.00

Hs.566210	7.31	chr5	N/A	3	36.30
Hs.550111	7.31	chr1	N/A	3	20.94
Hs.734061	7.31	chr9	N/A	1	0.00
EMX2OS	7.31	chr10	10q26.1	33	57.23
Hs.112621	7.31	chr7	N/A	8	65.40
Hs.130372	7.31	chr1	N/A	7	76.50
Hs.562661	7.31	chr16	N/A	3	22.32
Hs.634008	7.31	chr16	N/A	1	0.00
LOC100128180	7.31	chr4	4q24	2	24.61
Hs.666527	7.31	chr12	N/A	7	23.58
Hs.127274	7.30	chr1	N/A	1	0.00
MYO3A	7.30	chr10	10p11.1	30	105.35
Hs.537965	7.30	chr1	N/A	7	52.67
Hs.550806	7.30	chr1	N/A	3	53.68
Hs.665787	7.30	chr4	N/A	8	46.76
Hs.236217	7.30	chr3	N/A	3	41.17
DLX6	7.30	chr7	7q22	19	99.69
Hs.560015	7.30	chr12	N/A	3	50.07
Hs.667803	7.30	chrX	N/A	7	52.56
Hs.333348	7.30	chr19	N/A	8	51.21
Hs.515372	7.30	chr19	N/A	7	44.93
Hs.542219	7.30	chr2	N/A	3	25.51
LINC00457	7.30	chr13	N/A	10	27.09
Hs.35755	7.30	chr15	N/A	8	82.81
Hs.635597	7.30	chrX	N/A	10	50.90
Hs.572657	7.29	chr2	N/A	17	92.02
Hs.640307	7.29	chr15	N/A	10	175.92
Hs.545727	7.29	chr9	N/A	10	41.41
DGKB	7.29	chr7	7p21.2	43	110.48
Hs.477269	7.29	chr3	N/A	3	30.61
ZNF620	7.29	chr3	3p22.1	14	84.14
Hs.552288	7.29	chr9	N/A	7	50.21
Hs.174246	7.29	chr8	N/A	3	28.86
Hs.18081	7.29	chr2	N/A	7	46.20
Hs.639358	7.29	chr3	N/A	2	40.28
Hs.151184	7.29	chr2	N/A	1	0.00
Hs.544099	7.29	chr5	N/A	3	34.99
Hs.664774	7.29	chr10	N/A	7	51.25
Hs.208723	7.29	chr12	N/A	3	17.87
LOC646471	7.29	chr1	1p36.11	13	69.57
Hs.21435	7.29	chr2	N/A	9	53.07
ZNF90	7.29	chr19	19p12	14	130.51
WNT9B	7.29	chr17	17q21	19	42.85
Hs.667857	7.29	chr10	N/A	8	81.65
Hs.655819	7.29	chr3	N/A	18	71.61
Hs.659080	7.28	chr13	N/A	7	60.56
Hs.610557	7.28	chr3	N/A	4	55.42
Hs.720432	7.28	chr2	N/A	1	0.00
Hs.576647	7.28	chr10	N/A	3	27.80
Hs.134628	7.28	chr10	N/A	3	29.24
Hs.660453	7.28	chrX	N/A	5	49.53
Hs.596277	7.28	chr18	N/A	7	37.11
Hs.122812	7.28	chr15	N/A	4	26.50
Hs.371339	7.28	chr20	N/A	3	23.11
Hs.736183	7.28	chr1	N/A	1	0.00
Hs.540027	7.28	chr14	N/A	3	20.15
Hs.543402	7.28	chr4	N/A	3	42.58
Hs.733739	7.28	chr1	N/A	7	98.67
Hs.146552	7.28	chr12	N/A	2	32.84
Hs.416047	7.28	chr7	N/A	3	41.86
Hs.665297	7.28	chr15	N/A	22	69.92
Hs.130218	7.28	chr19	N/A	12	44.50
Hs.599517	7.27	chr5	N/A	7	66.13
LOC154872	7.27	chr7	7q31.33	11	63.26
Hs.524532	7.27	chr1	N/A	3	20.59
Hs.673597	7.27	chr14	N/A	1	0.00

Hs.639781	7.27	chr6	N/A	3	15.45
Hs.647536	7.27	chr14	N/A	8	35.24
Hs.421247	7.27	chr1	N/A	3	44.92
MIR205HG	7.27	chr1	1q32.2	2	5.36
SLC35G4	7.27	chr18	18p11.21	3	49.81
Hs.658806	7.27	chr2	N/A	7	39.77
Hs.659940	7.27	chr17	N/A	8	47.59
Hs.586129	7.27	chr4	N/A	7	45.58
LOC441178	7.27	chr6	6q27	15	58.75
Hs.544407	7.27	chr6	N/A	7	111.40
LRRC70	7.27	chr5	5q12.1	11	44.36
Hs.661518	7.27	chr8	N/A	7	38.08
Hs.537608	7.27	chr1	N/A	3	19.11
Hs.660158	7.27	chr10	N/A	7	53.84
Hs.520248	7.27	chr6	N/A	2	109.18
TRBV25-1	7.27	chr7	7q34	1	0.00
Hs.661293	7.27	chr1	N/A	7	60.57
Hs.576509	7.27	chr1	N/A	3	51.57
LOC646482	7.26	chr13	13q12.13	4	24.61
Hs.444665	7.26	chr9	N/A	8	91.19
SPDYE4	7.26	chr17	17p13.1	2	7.05
Hs.657613	7.26	chr1	N/A	8	33.54
Hs.566979	7.26	chr9	N/A	3	24.34
Hs.432337	7.26	chr12	N/A	1	0.00
OR8B2	7.26	chr11	11q24.1	5	35.21
Hs.603444	7.26	chr20	N/A	11	121.34
Hs.553890	7.26	chr16	N/A	5	28.06
Hs.574124	7.26	chr13	N/A	3	33.24
Hs.652225	7.26	chr7	N/A	7	58.62
LINC00488	7.26	chr3	3q13.13	1	0.00
Hs.441653	7.26	chr11	N/A	3	49.71
LOC100294362	7.26	chr17	N/A	11	118.84
Hs.374226	7.26	chr2	N/A	7	71.85
Hs.664610	7.26	chr16	N/A	7	62.40
Hs.656155	7.26	chr7	N/A	1	0.00
Hs.549678	7.26	chr6	N/A	4	44.90
Hs.666227	7.26	chr21	N/A	2	28.43
DTL	7.26	chr1	1q32	126	34.01
Hs.125653	7.26	chr19	N/A	7	39.87
Hs.537161	7.26	chr11	N/A	10	62.65
S100G	7.25	chrX	Xp22.2	23	96.70
ASPM	7.25	chr1	1q31	35	83.13
Hs.581937	7.25	chr4	N/A	3	33.56
Hs.576021	7.25	chr1	N/A	3	43.54
Hs.146886	7.25	chr10	N/A	1	0.00
Hs.667683	7.25	chr1	N/A	3	20.05
Hs.574763	7.25	chr2	N/A	3	8.41
THEMIS	7.25	chr6	6q22.33	13	62.72
Hs.218030	7.25	chr20	N/A	3	30.91
Hs.602551	7.25	chr1	N/A	10	32.22
Hs.130204	7.25	chr10	N/A	14	57.91
Hs.551307	7.25	chr12	N/A	3	29.97
Hs.570324	7.25	chr20	N/A	3	57.27
Hs.659744	7.25	chr9	N/A	8	30.67
LOC100996570	7.25	chr1	N/A	10	69.50
Hs.745342	7.25	chr18	N/A	4	34.66
Hs.735215	7.25	chr6	N/A	3	59.12
Hs.183602	7.25	chr2	N/A	3	20.60
Hs.149691	7.24	chrX	N/A	7	31.20
Hs.85445	7.24	chr7	N/A	8	80.63
Hs.736000	7.24	chr13	N/A	20	50.45
Hs.680098	7.24	chr13	N/A	1	0.00
Hs.148864	7.24	chr13	N/A	2	43.63
Hs.186424	7.24	chrX	N/A	7	111.88
Hs.538543	7.24	chr10	N/A	3	44.69
Hs.658929	7.24	chr3	N/A	8	66.83

Hs.253806	7.24	chr1	N/A	7	36.13
Hs.664704	7.24	chr13	N/A	10	47.77
Hs.580224	7.24	chr2	N/A	3	55.00
Hs.633764	7.24	chr19	N/A	1	0.00
Hs.127513	7.24	chr8	N/A	7	37.06
Hs.369782	7.24	chr2	N/A	8	54.56
Hs.603706	7.24	chr7	N/A	2	8.77
Hs.400634	7.24	chr18	N/A	3	67.01
LOC284865	7.24	chr22	22q11.21	1	0.00
ISX	7.24	chr22	22q12.3	21	75.02
Hs.569173	7.24	chr12	N/A	7	58.08
Hs.539417	7.23	chr12	N/A	3	83.21
Hs.210585	7.23	chr1	N/A	7	89.76
Hs.666540	7.23	chr2	N/A	5	62.26
Hs.544468	7.23	chr6	N/A	3	54.31
Hs.667677	7.23	chr2	N/A	2	14.41
Hs.559119	7.23	chr1	N/A	1	0.00
Hs.464414	7.23	chr18	N/A	3	32.41
Hs.602776	7.23	chr7	N/A	7	35.45
Hs.586572	7.23	chr1	N/A	3	83.11
LOC646736	7.23	chr2	2q36.3	1	0.00
Hs.545164	7.23	chr7	N/A	3	30.64
Hs.333205	7.23	chr1	N/A	7	64.52
Hs.570217	7.23	chr2	N/A	3	67.21
Hs.538285	7.23	chr10	N/A	3	101.38
Hs.202033	7.23	chr2	N/A	3	33.14
LOC728805	7.23	chr20	20q13.2	1	0.00
Hs.435525	7.23	chr2	N/A	5	41.94
Hs.436357	7.23	chr3	N/A	1	0.00
Hs.148699	7.23	chr4	N/A	5	54.16
Hs.406790	7.23	chr5	N/A	1	0.00
NME8	7.23	chr7	7p14.1	21	52.53
OR6C65	7.23	chr12	12q13.2	3	5.90
Hs.538642	7.22	chr10	N/A	3	71.58
Hs.208390	7.22	chr8	N/A	5	28.87
C12orf61	7.22	chr12	12q14.1	19	63.69
Hs.350876	7.22	chr8	N/A	1	0.00
Hs.334947	7.22	chr7	N/A	2	31.69
Hs.622241	7.22	chr11	N/A	1	0.00
Hs.659217	7.22	chr14	N/A	1	0.00
Hs.571652	7.22	chr9	N/A	3	14.15
Hs.514919	7.22	chr18	N/A	3	40.84
Hs.500668	7.22	chr17	N/A	3	60.18
Hs.436529	7.22	chr12	N/A	11	22.08
Hs.570369	7.22	chr20	N/A	3	60.80
Hs.571536	7.22	chr8	N/A	3	43.82
Hs.734181	7.22	chr12	N/A	2	25.76
Hs.544588	7.22	chr6	N/A	3	41.70
Hs.667242	7.22	chr9	N/A	3	56.64
Hs.565478	7.22	chr2	N/A	3	20.62
Hs.664018	7.22	chr18	N/A	7	47.49
Hs.538646	7.22	chr10	N/A	7	41.37
Hs.551684	7.22	chr16	N/A	7	70.85
Hs.543987	7.22	chr5	N/A	3	37.69
LOC100131826	7.21	chr4	4q21.1	10	40.76
Hs.512038	7.21	chr1	N/A	2	43.25
Hs.666719	7.21	chr11	N/A	2	22.96
Hs.666454	7.21	chr5	N/A	15	84.61
Hs.388652	7.21	chr6	N/A	3	38.71
Hs.540278	7.21	chr15	N/A	3	52.69
Hs.579273	7.21	chr17	N/A	3	20.60
LOC221122	7.21	chr11	11p11.2	2	10.43
Hs.614066	7.20	chr4	N/A	3	57.92
Hs.601240	7.20	chr10	N/A	7	45.86
Hs.125166	7.20	chr11	N/A	4	28.60
Hs.537673	7.20	chr1	N/A	3	29.76

Hs.658476	7.20	chr17	N/A	1	0.00
Hs.386421	7.20	chr20	N/A	7	57.32
Hs.645683	7.20	chr2	N/A	5	58.77
Hs.602277	7.20	chr7	N/A	1	0.00
XYLB	7.20	chr3	3p22-p21.3	44	58.44
PP13004	7.20	chr7	7p14.2	3	11.66
C18orf63	7.20	chr18	18q22.3	13	57.43
CD96	7.20	chr3	3q13.13-q13.2	47	57.41
Hs.591597	7.20	chr2	N/A	8	57.63
Hs.731721	7.20	chr17	N/A	11	42.32
Hs.657711	7.20	chr1	N/A	8	52.19
Hs.299063	7.20	chr12	N/A	3	30.61
Hs.363386	7.20	chr6	N/A	11	27.79
LOC644727	7.20	chr8	8q11.23	3	30.22
ZFAT-AS1	7.20	chr8	8q24.22	6	49.26
Hs.599817	7.20	chr18	N/A	7	63.09
OR5K1	7.20	chr3	3q11.2	13	51.85
Hs.577375	7.20	chr12	N/A	7	50.25
Hs.583854	7.19	chr8	N/A	3	108.19
Hs.545690	7.19	chr9	N/A	3	10.74
Hs.635215	7.19	chr6	N/A	2	34.87
SLC6A14	7.19	chrX	Xq23	28	69.44
Hs.546027	7.19	chrX	N/A	3	42.22
Hs.667763	7.19	chr8	N/A	7	91.14
BTBD8	7.19	chr1	1p22.1	22	53.40
Hs.670572	7.19	chr2	N/A	3	46.32
Hs.112969	7.19	chr11	N/A	7	57.72
LOC284688	7.19	chr1	1q24.2	3	54.60
Hs.116820	7.19	chr10	N/A	7	74.16
Hs.656768	7.19	chr9	N/A	1	0.00
Hs.543278	7.19	chr3	N/A	3	46.07
Hs.658440	7.19	chr8	N/A	8	57.25
Hs.568802	7.19	chr10	N/A	3	36.32
Hs.666491	7.19	chr9	N/A	1	0.00
SLC25A31	7.19	chr4	4q28.1	27	113.14
Hs.720020	7.19	chr10	N/A	10	46.82
SNORD46	7.19	chr1	1p34.1	3	23.10
PLA2G3	7.19	chr22	22q12.2	31	30.39
Hs.576880	7.19	chr10	N/A	3	48.12
Hs.506062	7.18	chr3	N/A	11	30.84
Hs.656963	7.18	chr4	N/A	1	0.00
Hs.634819	7.18	chr7	N/A	1	0.00
LOC100506470	7.18	chr20	N/A	8	43.84
Hs.134962	7.18	chr11	N/A	7	65.18
Hs.539195	7.18	chr12	N/A	3	65.97
CABS1	7.18	chr4	4q13.3	26	69.52
LOC100505534	7.18	chr15	N/A	8	74.17
ZNF749	7.18	chr19	19q13.43	8	178.38
Hs.566794	7.18	chr7	N/A	3	66.81
Hs.430557	7.18	chr17	N/A	3	16.44
Hs.538769	7.18	chr11	N/A	3	11.66
Hs.597790	7.17	chr5	N/A	2	54.36
Hs.564653	7.17	chr14	N/A	3	8.59
Hs.664676	7.17	chr13	N/A	7	62.16
Hs.131262	7.17	chr2	N/A	7	88.00
Hs.635638	7.17	chr5	N/A	1	0.00
Hs.565947	7.17	chr3	N/A	3	22.87
Hs.654986	7.17	chr1	N/A	3	63.70
Hs.636361	7.17	chr11	N/A	2	81.47
Hs.534473	7.17	chr22	N/A	10	76.69
Hs.733987	7.17	chr11	N/A	8	40.29
Hs.128375	7.17	chr3	N/A	1	0.00
Hs.634986	7.17	chr6	N/A	7	56.33
Hs.560032	7.16	chr12	N/A	3	25.77
TEX38	7.16	chr1	1p33	13	106.36
Hs.730084	7.16	chr4	N/A	3	89.48

Hs.738302	7.16	chr20	N/A	3	39.88
JAKMIP2-AS1	7.16	chr5	5q32	1	0.00
Hs.720086	7.16	chr21	N/A	7	57.61
LHCGR	7.16	chr2	2p21	25	54.65
Hs.662563	7.16	chr12	N/A	18	92.76
Hs.604122	7.16	chr7	N/A	2	15.27
Hs.744376	7.16	chr8	N/A	7	45.97
Hs.576809	7.16	chr10	N/A	3	11.58
BTG4	7.16	chr11	11q23	24	64.20
Hs.540761	7.16	chr17	N/A	3	46.24
Hs.382317	7.16	chr9	N/A	4	33.42
Hs.519642	7.16	chr6	N/A	7	65.98
Hs.542459	7.16	chr20	N/A	3	28.80
POTEB	7.16	chr15	N/A	36	84.53
GLRA4	7.16	chrX	Xq22.2	9	79.70
Hs.660687	7.16	chr5	N/A	20	43.11
Hs.569212	7.16	chr12	N/A	8	39.39
Hs.130980	7.16	chr1	N/A	11	40.79
Hs.444573	7.16	chr15	N/A	7	80.26
Hs.545121	7.15	chr7	N/A	3	30.44
Hs.502145	7.15	chr11	N/A	1	0.00
RNASE12	7.15	chr14	14q11.1	3	18.05
CRYGB	7.15	chr2	2q34	21	63.98
TRBV27	7.15	chr7	7q34	18	77.72
EHF	7.15	chr11	11p12	50	71.89
Hs.460758	7.15	chr16	N/A	3	61.37
Hs.702903	7.15	chr3	N/A	8	19.16
Hs.668111	7.15	chr9	N/A	2	12.99
Hs.146952	7.15	chr2	N/A	7	58.92
Hs.211087	7.15	chr4	N/A	3	24.09
Hs.671693	7.15	chr3	N/A	1	0.00
Hs.563291	7.15	chr5	N/A	3	53.36
Hs.544393	7.15	chr6	N/A	3	51.81
Hs.602197	7.15	chr3	N/A	7	62.12
PRAMEF2	7.15	chr1	1p36.21	12	44.24
Hs.659286	7.15	chr4	N/A	3	82.94
Hs.544333	7.15	chr6	N/A	3	43.19
Hs.112943	7.15	chr8	N/A	7	73.24
Hs.553219	7.15	chr11	N/A	2	75.69
KRTAP9-8	7.14	chr17	17q12-q21	20	96.78
DNASE2B	7.14	chr1	1p22.3	41	59.79
Hs.666985	7.14	chr2	N/A	2	6.87
Hs.537660	7.14	chr1	N/A	3	37.76
Hs.553287	7.14	chr9	N/A	7	54.57
Hs.660347	7.14	chr3	N/A	6	100.50
Hs.662378	7.14	chr2	N/A	7	67.06
LOC100506795	7.14	chr1	1q42-q43	28	49.56
Hs.562406	7.14	chr12	N/A	3	34.57
Hs.655840	7.14	chr10	N/A	7	57.97
Hs.655291	7.14	chr2	N/A	8	89.86
Hs.12698	7.14	chr8	N/A	1	0.00
Hs.545445	7.14	chr8	N/A	3	48.49
Hs.586159	7.14	chr4	N/A	1	0.00
Hs.677107	7.14	chr14	N/A	5	47.30
LOC151760	7.14	chr3	3q13.13	2	5.59
Hs.701626	7.14	chr1	N/A	3	44.84
HOXA11-AS	7.14	chr7	7p15.2	10	24.67
CFHR4	7.14	chr1	1q32	23	53.38
Hs.542129	7.14	chr2	N/A	3	45.73
Hs.597614	7.14	chr3	N/A	3	65.09
Hs.655472	7.14	chr13	N/A	7	45.36
Hs.540201	7.13	chr15	N/A	3	26.59
Hs.538475	7.13	chr10	N/A	3	37.73
Hs.608030	7.13	chr4	N/A	7	58.46
Hs.615344	7.13	chr21	N/A	3	23.94
BEND6	7.13	chr6	6p12.1	25	39.72

Hs.722382	7.13	chr12	N/A	1	0.00
Hs.666358	7.13	chr5	N/A	2	17.69
Hs.537238	7.13	chr15	N/A	7	64.73
Hs.253993	7.13	chr1	N/A	3	22.35
Hs.648498	7.13	chr1	N/A	7	60.83
Hs.613658	7.13	chr19	N/A	1	0.00
Hs.173704	7.13	chr1	N/A	11	36.77
Hs.570518	7.13	chr3	N/A	7	20.91
Hs.200096	7.13	chr2	N/A	3	21.99
Hs.733775	7.13	chr5	N/A	3	74.74
Hs.103068	7.13	chr11	N/A	8	39.39
Hs.661618	7.13	chr22	N/A	1	0.00
Hs.669675	7.13	chr15	N/A	1	0.00
Hs.261568	7.13	chr21	N/A	3	10.06
Hs.39662	7.13	chr15	N/A	7	52.99
Hs.132908	7.12	chr13	N/A	4	65.97
LOC440910	7.12	chr2	2q21.1	6	43.26
Hs.458733	7.12	chr15	N/A	18	41.99
LOC100506157	7.12	chr14	N/A	13	58.01
Hs.734278	7.12	chr1	N/A	14	58.67
C10orf62	7.12	chr10	10q24.2	17	56.91
Hs.122020	7.12	chr9	N/A	8	64.90
Hs.541791	7.12	chr2	N/A	3	19.23
Hs.573241	7.12	chr6	N/A	3	40.80
Hs.679948	7.12	chr15	N/A	10	34.88
Hs.370498	7.12	chr2	N/A	11	29.78
Hs.116324	7.12	chr8	N/A	13	47.34
Hs.608463	7.12	chr1	N/A	1	0.00
Hs.322875	7.12	chrX	N/A	3	20.22
TMEM114	7.12	chr16	16p13.2	10	51.62
Hs.542313	7.12	chr20	N/A	3	59.33
LOC402779	7.12	chr1	N/A	8	62.67
Hs.562513	7.12	chr14	N/A	4	60.84
Hs.563763	7.12	chr1	N/A	3	86.76
Hs.593810	7.12	chr14	N/A	1	0.00
Hs.603638	7.12	chr3	N/A	2	73.61
Hs.648505	7.12	chr16	N/A	24	65.00
Hs.544392	7.11	chr6	N/A	3	14.43
MBOAT4	7.11	chr8	8p12	10	36.50
Hs.666579	7.11	chr9	N/A	5	112.51
Hs.545363	7.11	chr8	N/A	3	65.65
Hs.668157	7.11	chrX	N/A	2	23.86
Hs.156646	7.11	chr8	N/A	7	124.43
Hs.659850	7.11	chr5	N/A	1	0.00
Hs.732112	7.11	chr8	N/A	4	46.59
Hs.147496	7.11	chr4	N/A	5	82.00
TMEM82	7.11	chr1	1p36.21	3	56.51
Hs.601954	7.11	chr13	N/A	3	44.14
Hs.675474	7.11	chr4	N/A	1	0.00
Hs.600025	7.11	chr14	N/A	15	50.97
LOC100996437	7.11	chr7	N/A	7	71.46
Hs.710696	7.11	chr2	N/A	7	49.22
Hs.580614	7.11	chr2	N/A	3	42.62
Hs.538881	7.11	chr11	N/A	3	87.54
Hs.603656	7.11	chr6	N/A	2	18.56
Hs.607187	7.10	chr2	N/A	1	0.00
Hs.569417	7.10	chr15	N/A	1	0.00
Hs.171463	7.10	chr5	N/A	1	0.00
Hs.668166	7.10	chr2	N/A	2	41.02
Hs.600107	7.10	chr4	N/A	7	50.80
Hs.639806	7.10	chr10	N/A	7	48.90
Hs.537782	7.10	chr1	N/A	3	59.26
Hs.208098	7.10	chr1	N/A	2	7.69
Hs.658799	7.10	chr5	N/A	1	0.00
LOC100289045	7.10	chr5	5q13.2	11	29.88
Hs.664605	7.10	chr11	N/A	10	65.52

Hs.662485	7.10	chr19	N/A	7	62.21
Hs.126020	7.10	chr5	N/A	7	52.32
Hs.711727	7.10	chrX	N/A	10	64.67
DIAPH3-AS1	7.10	chr13	N/A	17	86.93
C9orf66	7.10	chr9	9p24.3	18	60.58
Hs.560861	7.10	chr2	N/A	3	19.29
Hs.566381	7.10	chrX	N/A	10	32.11
SPANXA1	7.10	chrX	Xq27.1	39	69.87
Hs.545165	7.10	chr7	N/A	5	32.38
Hs.694019	7.10	chr12	N/A	1	0.00
Hs.653172	7.10	chr7	N/A	4	64.38
CEP152	7.09	chr15	15q21.1	78	58.49
Hs.650002	7.09	chr10	N/A	3	22.37
FAM19A2	7.09	chr12	12q14.1	32	55.23
Hs.527731	7.09	chr10	N/A	3	26.27
SIX3-AS1	7.09	chr2	N/A	8	67.78
Hs.545895	7.09	chr9	N/A	3	7.19
Hs.604828	7.09	chr8	N/A	1	0.00
Hs.569497	7.09	chr15	N/A	7	56.91
Hs.601247	7.09	chr10	N/A	7	68.77
SLITRK5	7.09	chr13	13q31.2	30	156.26
Hs.603174	7.09	chr1	N/A	3	68.74
Hs.604117	7.09	chr2	N/A	2	73.37
Hs.658766	7.09	chr13	N/A	3	52.78
SOX14	7.09	chr3	3q22-q23	21	74.30
Hs.545338	7.09	chr8	N/A	10	54.22
Hs.150166	7.09	chr7	N/A	21	62.57
Hs.324981	7.09	chr22	N/A	3	22.06
LINC00303	7.09	chr1	1q32.1	16	47.55
Hs.700911	7.09	chrX	N/A	10	26.86
TSPAN19	7.09	chr12	12q21.31	13	86.44
Hs.593693	7.09	chr10	N/A	7	74.81
Hs.540719	7.09	chr17	N/A	3	31.81
LOC100505947	7.09	chr3	N/A	7	73.90
Hs.665544	7.09	chr3	N/A	1	0.00
Hs.739555	7.08	chr19	N/A	3	90.95
Hs.745142	7.08	chr17	N/A	1	0.00
Hs.666909	7.08	chr6	N/A	10	56.37
Hs.551860	7.08	chr10	N/A	14	77.39
Hs.660039	7.08	chr1	N/A	1	0.00
Hs.601597	7.08	chr4	N/A	7	56.73
Hs.541501	7.08	chr2	N/A	10	176.49
Hs.133438	7.08	chr15	N/A	10	53.34
Hs.258096	7.08	chr18	N/A	3	34.68
Hs.569544	7.08	chr16	N/A	12	58.34
Hs.438539	7.08	chr11	N/A	3	9.78
Hs.633236	7.08	chr2	N/A	7	53.52
Hs.544081	7.08	chr5	N/A	10	101.37
NKX6-1	7.08	chr4	4q21.33	21	76.21
Hs.683970	7.08	chr6	N/A	2	132.68
LOC100506934	7.08	chr2	N/A	2	18.43
KRT79	7.08	chr12	12q13.13	17	76.95
Hs.663904	7.08	chrX	N/A	14	47.02
Hs.544351	7.08	chr6	N/A	10	121.93
Hs.665177	7.08	chr22	N/A	14	70.25
Hs.667327	7.08	chr12	N/A	2	40.20
Hs.195633	7.08	chr9	N/A	7	27.06
LOC100506735	7.07	chr16	N/A	1	0.00
Hs.570623	7.07	chr3	N/A	3	81.70
Hs.563524	7.07	chr8	N/A	2	69.13
LOC145757	7.07	chr15	15q26.3	11	69.22
Hs.729685	7.07	chr22	N/A	3	31.04
DIAPH3-AS2	7.07	chr13	N/A	3	48.45
Hs.159454	7.07	chr19	N/A	8	42.63
Hs.567132	7.07	chrX	N/A	3	76.60
Hs.625122	7.07	chr9	N/A	10	50.78

Hs.652563	7.07	chr2	N/A	4	71.25
Hs.584253	7.07	chr9	N/A	3	34.05
Hs.525094	7.07	chr11	N/A	7	28.17
Hs.574015	7.07	chr12	N/A	3	57.13
OR6C74	7.07	chr12	12q13.2	6	59.72
Hs.143441	7.07	chr14	N/A	8	42.12
Hs.543572	7.07	chr4	N/A	3	26.63
Hs.579567	7.07	chr18	N/A	5	25.45
Hs.130108	7.07	chr10	N/A	2	12.77
LOC100507651	7.07	chr8	N/A	17	98.89
Hs.569176	7.07	chr12	N/A	10	86.81
Hs.639300	7.07	chr11	N/A	10	88.47
Hs.604360	7.07	chr2	N/A	1	0.00
Hs.633144	7.07	chr4	N/A	1	0.00
PARPBP	7.07	chr12	12q23.2	53	104.45
Hs.565153	7.07	chr18	N/A	3	47.04
Hs.638463	7.07	chr3	N/A	3	61.20
Hs.205809	7.07	chr16	N/A	3	49.66
Hs.599848	7.07	chr1	N/A	1	0.00
Hs.130107	7.07	chr8	N/A	7	38.49
Hs.549952	7.06	chr2	N/A	3	38.51
Hs.128689	7.06	chr8	N/A	10	42.26
Hs.545408	7.06	chr8	N/A	3	50.24
SLCO1B3	7.06	chr12	12p12	21	57.14
Hs.537525	7.06	chr9	N/A	5	47.78
Hs.557386	7.06	chr4	N/A	1	0.00
Hs.649288	7.06	chr16	N/A	17	64.11
Hs.734924	7.06	chr3	N/A	3	53.32
Hs.661575	7.06	chr5	N/A	7	51.67
Hs.378906	7.06	chr12	N/A	3	66.68
Hs.253412	7.06	chr1	N/A	3	62.34
Hs.528268	7.06	chr1	N/A	3	44.09
Hs.541072	7.06	chr18	N/A	3	73.08
FLJ40288	7.06	chr7	7q32.3	16	106.33
Hs.666082	7.06	chr17	N/A	8	62.14
OR4F5	7.05	chr1	1p36.33	6	53.04
LOC100996526	7.05	chr17	N/A	2	26.94
Hs.140415	7.05	chr8	N/A	7	19.78
Hs.180115	7.05	chr10	N/A	8	53.79
Hs.601035	7.05	chr1	N/A	1	0.00
Hs.544060	7.05	chr5	N/A	10	51.09
POTEI	7.05	chr2	2q21.1	3	22.87
Hs.46879	7.05	chr5	N/A	10	48.66
MTBP	7.05	chr8	8q24.12	35	94.31
Hs.604433	7.05	chr6	N/A	7	107.15
Hs.715924	7.05	chr3	N/A	14	70.81
ETV3L	7.05	chr1	1q23.1	13	33.59
Hs.576646	7.05	chr10	N/A	3	49.30
Hs.560346	7.05	chr15	N/A	1	0.00
Hs.660043	7.05	chr1	N/A	7	36.41
Hs.582099	7.05	chr4	N/A	3	13.17
Hs.563305	7.05	chr5	N/A	3	69.64
NLRP9	7.05	chr19	19q13.42	17	50.86
Hs.601925	7.05	chr5	N/A	14	55.30
LOC100131496	7.05	chr20	20q13.12	11	70.47
TEX26-AS1	7.05	chr13	N/A	2	0.16
Hs.521131	7.05	chr7	N/A	1	0.00
Hs.678892	7.05	chr2	N/A	1	0.00
Hs.662285	7.05	chr8	N/A	3	50.79
FAM217A	7.05	chr6	6p25.2	27	68.41
LOC645177	7.05	chr12	12p12.1	3	25.27
Hs.537585	7.05	chr1	N/A	10	52.57
Hs.540241	7.05	chr15	N/A	4	41.69
KLRF1	7.05	chr12	12p13.31	24	68.66
Hs.651569	7.04	chr21	N/A	3	40.15
TTC40	7.04	chr10	10q26.3	44	81.30

Hs.565999	7.04	chr4	N/A	3	34.93
Hs.151158	7.04	chr14	N/A	5	33.59
Hs.283533	7.04	chr1	N/A	3	40.69
Hs.545120	7.04	chr7	N/A	3	22.22
TIMD4	7.04	chr5	5q33.3	24	83.52
Hs.543493	7.04	chr4	N/A	10	98.80
RIPPLY2	7.04	chr6	6q14.2	17	86.07
Hs.557435	7.04	chr16	N/A	3	29.21
C9orf57	7.04	chr9	9q21.13	21	128.82
Hs.127990	7.04	chr20	N/A	10	45.36
Hs.603966	7.04	chr1	N/A	3	42.40
Hs.662413	7.04	chr4	N/A	17	85.80
Hs.131443	7.04	chr3	N/A	10	61.72
Hs.667200	7.04	chr4	N/A	2	42.90
Hs.551042	7.04	chr4	N/A	5	64.44
FAM223A	7.04	chrX	Xq28	18	76.29
MGC12916	7.04	chr17	17p12	20	84.56
Hs.112750	7.04	chr6	N/A	7	42.15
Hs.658044	7.03	chr22	N/A	2	58.02
Hs.583076	7.03	chr7	N/A	3	39.11
Hs.687909	7.03	chr9	N/A	8	49.07
Hs.656378	7.03	chr5	N/A	7	74.09
Hs.545114	7.03	chr7	N/A	3	26.74
Hs.666659	7.03	chr11	N/A	3	36.38
LINC00598	7.03	chr13	13q14.11	23	88.54
Hs.604494	7.03	chr7	N/A	7	62.21
Hs.665109	7.03	chr1	N/A	1	0.00
Hs.399280	7.03	chr17	N/A	7	55.24
Hs.732020	7.03	chr7	N/A	12	72.36
Hs.597628	7.03	chr5	N/A	7	49.48
LOC643037	7.03	chr11	11q21	13	139.80
LOC100505666	7.03	chr1	N/A	8	56.06
Hs.149229	7.03	chr14	N/A	1	0.00
Hs.687769	7.03	chr13	N/A	10	22.84
LOC100506004	7.03	chr14	N/A	8	48.58
ZFP42	7.03	chr4	4q35.2	21	55.56
Hs.660274	7.03	chr1	N/A	7	49.71
Hs.655159	7.02	chr4	N/A	1	0.00
Hs.675510	7.02	chr2	N/A	22	21.98
Hs.657691	7.02	chr21	N/A	7	87.33
LOC100507308	7.02	chr6	6q23	17	80.31
Hs.667482	7.02	chr1	N/A	7	53.46
CLUU1	7.02	chr12	12q22	3	5.33
TRIM64	7.02	chr11	11q14.3	22	66.28
Hs.582661	7.02	chr6	N/A	3	65.94
Hs.209995	7.02	chr9	N/A	7	39.43
Hs.541752	7.02	chr2	N/A	10	75.82
NCMAP	7.02	chr1	1p36.11	10	33.59
FRMPD2	7.02	chr10	10q11.22	33	73.16
Hs.671344	7.02	chrX	N/A	2	110.09
Hs.545232	7.02	chr8	N/A	3	14.21
Hs.544363	7.02	chr6	N/A	3	22.92
Hs.539677	7.02	chr13	N/A	3	57.51
EVPLL	7.02	chr17	17p11.2	8	12.91
Hs.570112	7.02	chr2	N/A	10	54.15
Hs.670741	7.02	chr1	N/A	1	0.00
Hs.554050	7.02	chr10	N/A	1	0.00
Hs.584424	7.02	chrX	N/A	3	10.38
Hs.604541	7.02	chr12	N/A	2	44.81
Hs.657888	7.02	chr7	N/A	7	29.28
Hs.521636	7.02	chr8	N/A	3	52.20
C7orf62	7.02	chr7	7q21.13	26	52.30
OBP2B	7.02	chr9	9q34	28	170.79
LOC100131840	7.02	chr3	3p21.31	2	43.57
Hs.635608	7.02	chr18	N/A	1	0.00
Hs.553105	7.02	chr5	N/A	3	53.86

Hs.538477	7.02	chr10	N/A	3	67.45
Hs.598045	7.01	chr20	N/A	7	55.93
Hs.119871	7.01	chr4	N/A	7	44.72
SLC2A7	7.01	chr1	1p36.2	3	35.47
Hs.739134	7.01	chr11	N/A	3	43.07
Hs.576579	7.01	chr10	N/A	8	14.31
Hs.565434	7.01	chr2	N/A	3	23.78
Hs.578593	7.01	chr15	N/A	3	30.03
Hs.664821	7.01	chr1	N/A	7	28.89
Hs.539011	7.01	chr11	N/A	3	7.11
Hs.666914	7.01	chr2	N/A	10	49.04
Hs.741744	7.01	chr19	N/A	7	101.16
PDILT	7.01	chr16	16p12.3	21	71.57
Hs.655466	7.01	chr9	N/A	2	19.71
SHCBP1L	7.01	chr1	1q25.3	28	80.10
Hs.538764	7.01	chr11	N/A	3	15.99
Hs.545852	7.01	chr9	N/A	3	37.42
Hs.434326	7.01	chr2	N/A	18	99.72
Hs.132436	7.00	chr8	N/A	7	74.28
Hs.561759	7.00	chr7	N/A	3	90.30
Hs.98274	7.00	chr2	N/A	3	36.82
Hs.619896	7.00	chr4	N/A	1	0.00
APOF	7.00	chr12	12q13.3	33	92.56
WFDC10A	7.00	chr20	20q13.12	17	92.17
Hs.668682	7.00	chr18	N/A	1	0.00
Hs.116847	7.00	chr18	N/A	3	30.82
Hs.444210	7.00	chr20	N/A	9	44.65
Hs.539610	7.00	chr13	N/A	8	50.44
KRTAP24-1	7.00	chr21	21q22.11	3	60.28
Hs.681176	7.00	chr9	N/A	1	0.00
Hs.661029	7.00	chr2	N/A	9	132.85
C6orf223	7.00	chr6	6p21.1	35	97.39
Hs.672509	7.00	chr1	N/A	1	0.00
Hs.104990	7.00	chr2	N/A	4	66.87
Hs.560260	7.00	chr14	N/A	3	51.99
Hs.578264	7.00	chr14	N/A	3	32.02
Hs.434238	7.00	chr12	N/A	4	23.63
Hs.652646	7.00	chr8	N/A	9	37.49
FREM3	7.00	chr4	4q31.21	15	42.05
Hs.22226	7.00	chr3	N/A	7	47.87
Hs.602044	7.00	chr6	N/A	3	14.60
Hs.582910	7.00	chr6	N/A	3	36.93
Hs.123508	6.99	chr7	N/A	3	60.93
Hs.675448	6.99	chr1	N/A	11	54.37
Hs.585530	6.99	chr11	N/A	1	0.00
Hs.710593	6.99	chr10	N/A	14	66.66
Hs.652844	6.99	chr8	N/A	3	26.36
LOC100506025	6.99	chr7	N/A	12	78.13
Hs.664956	6.99	chr11	N/A	3	63.27
Hs.661028	6.99	chrX	N/A	10	19.21
CLTC-IT1	6.99	chr17	17q23.2	10	21.91
Hs.211561	6.99	chr2	N/A	8	22.48
Hs.600188	6.99	chr9	N/A	10	24.70
Hs.581225	6.99	chr3	N/A	3	12.38
LOC100507224	6.99	chr3	N/A	8	54.45
B3GALT5	6.99	chr21	21q22.3	39	58.93
Hs.666583	6.99	chr6	N/A	7	97.90
Hs.526752	6.99	chr3	N/A	18	26.49
Hs.554101	6.99	chr12	N/A	11	70.98
Hs.563984	6.99	chr1	N/A	3	41.05
Hs.147841	6.99	chr7	N/A	2	2.01
Hs.543369	6.98	chr4	N/A	3	45.05
Hs.149533	6.98	chr1	N/A	3	44.44
Hs.543117	6.98	chr3	N/A	3	40.38
Hs.123065	6.98	chr12	N/A	28	87.84
Hs.368804	6.98	chr7	N/A	7	44.69

Hs.545116	6.98	chr7	N/A	3	16.34
Hs.443245	6.98	chr8	N/A	6	10.68
LOC100287015	6.98	chr8	8p23.1	9	40.10
Hs.629929	6.98	chr22	N/A	1	0.00
Hs.238769	6.98	chr7	N/A	7	99.23
Hs.601110	6.98	chr13	N/A	7	35.87
Hs.664088	6.98	chr12	N/A	7	37.63
LHX9	6.98	chr1	1q31.1	34	90.90
Hs.666414	6.98	chr19	N/A	3	21.52
OR3A1	6.98	chr17	17p13.3	21	64.91
Hs.668815	6.98	chr16	N/A	1	0.00
Hs.666147	6.98	chr9	N/A	7	37.73
Hs.545308	6.98	chr8	N/A	3	17.56
Hs.98692	6.98	chr9	N/A	3	99.34
Hs.633613	6.98	chr5	N/A	11	28.17
Hs.667618	6.98	chr15	N/A	2	28.38
Hs.528153	6.98	chr17	N/A	3	76.16
Hs.582119	6.97	chr5	N/A	3	53.52
Hs.528280	6.97	chr11	N/A	3	42.29
Hs.554401	6.97	chr11	N/A	3	48.78
Hs.544326	6.97	chr6	N/A	3	58.55
Hs.734178	6.97	chr1	N/A	3	42.61
Hs.147756	6.97	chr18	N/A	2	25.62
Hs.638709	6.97	chr1	N/A	11	93.77
LOC729866	6.97	chr1	1q23.1	11	21.26
Hs.538572	6.97	chr10	N/A	3	40.13
Hs.552117	6.97	chr6	N/A	7	19.17
Hs.710460	6.97	chr6	N/A	7	37.73
Hs.156571	6.97	chr2	N/A	3	61.58
Hs.558265	6.97	chr5	N/A	3	57.70
Hs.549963	6.97	chr20	N/A	4	28.97
Hs.116199	6.97	chr4	N/A	10	49.81
Hs.545843	6.97	chr9	N/A	3	84.49
Hs.564528	6.97	chr13	N/A	3	72.36
LOC100506634	6.96	chr19	N/A	10	166.99
Hs.551302	6.96	chr11	N/A	3	30.61
Hs.571525	6.96	chr8	N/A	3	4.39
TSPAN16	6.96	chr19	19p13.2	25	152.46
Hs.658711	6.96	chr8	N/A	1	0.00
Hs.540065	6.96	chr14	N/A	3	17.74
Hs.518011	6.96	chr1	N/A	3	57.49
Hs.551982	6.96	chr18	N/A	1	0.00
Hs.440408	6.96	chr6	N/A	3	27.75
LOC100506643	6.96	chr17	N/A	3	65.31
FLJ35816	6.96	chr4	4p16.3	7	44.24
Hs.577738	6.96	chr12	N/A	3	34.78
Hs.543421	6.96	chr4	N/A	3	27.31
Hs.195063	6.96	chr4	N/A	3	25.57
Hs.591197	6.96	chr17	N/A	8	48.81
Hs.510140	6.96	chr6	N/A	7	76.73
Hs.543248	6.96	chr3	N/A	3	26.79
Hs.537363	6.96	chr21	N/A	3	39.21
Hs.667510	6.96	chr5	N/A	7	84.76
EFCAB9	6.96	chr5	5q35.1	7	105.19
Hs.156973	6.96	chr3	N/A	3	22.32
Hs.546160	6.96	chrX	N/A	2	6.27
Hs.133190	6.96	chr20	N/A	5	73.14
Hs.649336	6.95	chr3	N/A	3	41.51
LOC100505683	6.95	chr20	N/A	4	49.93
Hs.584572	6.95	chrX	N/A	3	24.56
Hs.48444	6.95	chr17	N/A	2	75.50
Hs.656009	6.95	chr16	N/A	1	0.00
Hs.615624	6.95	chr6	N/A	3	29.13
Hs.72307	6.95	chr6	N/A	11	78.20
CITED1	6.95	chrX	Xq13.1	23	45.29
Hs.407574	6.95	chr11	N/A	1	0.00

Hs.538491	6.95	chr10	N/A	3	12.35
Hs.655435	6.95	chr2	N/A	7	36.93
Hs.475364	6.95	chr3	N/A	1	0.00
Hs.668475	6.95	chr3	N/A	7	60.44
Hs.573726	6.95	chr1	N/A	3	38.80
Hs.539766	6.95	chr13	N/A	3	19.87
Hs.183974	6.95	chr1	N/A	6	18.31
SEPT1	6.95	chr16	16p11.1	19	75.37
Hs.666899	6.95	chr8	N/A	16	56.75
Hs.741035	6.95	chr16	N/A	10	34.21
Hs.594829	6.95	chr5	N/A	7	51.29
Hs.580555	6.94	chr2	N/A	3	3.15
LOC100289580	6.94	chr16	16q24.3	3	41.54
SPANXD	6.94	chrX	Xq27.1	19	98.75
CCDC70	6.94	chr13	13q14.3	28	93.41
Hs.386544	6.94	chr12	N/A	3	37.12
Hs.635282	6.94	chr3	N/A	7	61.78
Hs.116308	6.94	chr10	N/A	11	92.76
CCDC110	6.94	chr4	4q35.1	26	64.26
Hs.526822	6.94	chr4	N/A	7	35.92
C7orf71	6.94	chr7	7p15.2	4	33.02
Hs.308783	6.94	chrX	N/A	7	43.38
Hs.274837	6.94	chr3	N/A	3	23.08
Hs.565535	6.93	chr2	N/A	3	90.40
Hs.668193	6.93	chr6	N/A	7	56.88
Hs.47508	6.93	chr5	N/A	2	53.74
Hs.720353	6.93	chr1	N/A	4	26.54
Hs.599736	6.93	chr4	N/A	3	58.65
Hs.653010	6.93	chr9	N/A	10	29.95
Hs.542591	6.93	chr21	N/A	3	46.06
Hs.603128	6.93	chr4	N/A	7	33.31
Hs.47775	6.93	chr3	N/A	10	34.13
Hs.537803	6.93	chr1	N/A	3	48.18
FAM47B	6.93	chrX	Xp21.1	20	84.31
Hs.627877	6.93	chr15	N/A	10	67.04
LOC158435	6.93	chr9	9q22.32	13	39.00
GPR112	6.93	chrX	Xq26.3	17	47.24
Hs.382016	6.93	chr12	N/A	4	64.16
Hs.667245	6.93	chr17	N/A	2	6.01
Hs.580710	6.93	chr20	N/A	3	49.35
Hs.564198	6.93	chr11	N/A	7	75.96
SPATS1	6.93	chr6	6p21.1	19	48.79
Hs.658107	6.93	chr17	N/A	7	62.16
Hs.166270	6.93	chr1	N/A	7	75.80
Hs.566851	6.93	chr8	N/A	3	56.27
Hs.583467	6.92	chr7	N/A	3	51.68
Hs.126642	6.92	chr3	N/A	2	35.35
LRR1Q3	6.92	chr1	1p31.1	36	50.87
C8orf17	6.92	chr8	8q24.3	31	96.46
Hs.357234	6.92	chr15	N/A	18	79.96
CLVS1	6.92	chr8	8q12.3	39	59.17
TRIM34	6.92	chr11	11p15	6	46.30
Hs.642040	6.92	chr5	N/A	12	30.24
Hs.638432	6.92	chr5	N/A	3	47.45
Hs.544517	6.92	chr6	N/A	7	51.37
Hs.130253	6.92	chr17	N/A	8	59.37
Hs.667486	6.92	chr18	N/A	8	65.18
Hs.131575	6.92	chr22	N/A	3	55.16
Hs.560151	6.92	chr13	N/A	3	46.46
Hs.603019	6.92	chr12	N/A	1	0.00
LOC730109	6.92	chr3	3q25.33	6	40.55
ZNRF3-AS1	6.92	chr22	N/A	10	44.38
Hs.658531	6.92	chr1	N/A	8	79.62
TLR7	6.92	chrX	Xp22.3	39	61.93
Hs.539581	6.92	chr13	N/A	10	53.41
Hs.12669	6.91	chr18	N/A	13	37.67

Hs.652693	6.91	chr5	N/A	1	0.00
CENPK	6.91	chr5	5q12.3	19	58.20
Hs.736250	6.91	chr8	N/A	4	40.83
Hs.538361	6.91	chr10	N/A	3	41.90
Hs.22930	6.91	chr1	N/A	11	61.58
Hs.538555	6.91	chr12	N/A	3	88.88
Hs.117767	6.91	chr8	N/A	7	68.73
Hs.148431	6.91	chr16	N/A	6	50.40
Hs.122226	6.91	chr2	N/A	6	30.57
Hs.611557	6.91	chr11	N/A	10	62.57
Hs.667667	6.91	chr4	N/A	3	77.55
Hs.566104	6.91	chr4	N/A	3	74.09
Hs.134709	6.90	chr1	N/A	3	5.40
Hs.436442	6.90	chr13	N/A	4	36.14
Hs.116120	6.90	chr18	N/A	10	54.99
LOC100506974	6.90	chr17	N/A	15	59.28
Hs.213372	6.90	chr12	N/A	3	43.26
LOC100996321	6.90	chr3	N/A	8	53.77
Hs.663030	6.90	chr15	N/A	7	45.81
Hs.585334	6.90	chr3	N/A	2	35.45
Hs.116006	6.90	chr2	N/A	10	55.17
Hs.637744	6.90	chr19	N/A	10	104.53
Hs.112788	6.90	chr11	N/A	15	47.09
Hs.436569	6.90	chr11	N/A	7	26.54
Hs.558371	6.90	chr7	N/A	2	1.18
GJA10	6.90	chr6	6q15-q16	19	90.50
LOC100129447	6.90	chr12	12q24.13	11	96.68
DYX1C1	6.90	chr15	15q21.3	21	51.30
Hs.562792	6.90	chr19	N/A	3	85.35
ZNF114	6.90	chr19	19q13.33	23	83.49
Hs.544825	6.90	chr7	N/A	3	28.70
Hs.97725	6.90	chr4	N/A	7	71.99
MORN3	6.90	chr12	12q24.31	19	69.57
Hs.570735	6.90	chr4	N/A	10	57.40
Hs.674911	6.89	chr2	N/A	3	12.99
CALML5	6.89	chr10	10p15.1	49	67.50
Hs.663627	6.89	chr18	N/A	1	0.00
Hs.658362	6.89	chr4	N/A	15	71.84
Hs.660964	6.89	chr6	N/A	7	35.33
Hs.139898	6.89	chr10	N/A	3	46.22
Hs.553176	6.89	chrX	N/A	10	76.85
Hs.543410	6.89	chr4	N/A	3	21.60
Hs.364166	6.89	chr6	N/A	13	54.99
Hs.529582	6.89	chr4	N/A	3	15.80
BPIFB1	6.89	chr20	20q11.21	25	87.51
INSL6	6.88	chr9	9p24	31	72.37
Hs.673626	6.88	chr15	N/A	12	32.89
Hs.733095	6.88	chr16	N/A	8	44.67
Hs.603364	6.88	chr22	N/A	2	28.71
Hs.666682	6.88	chr19	N/A	3	34.68
Hs.132461	6.88	chr9	N/A	7	69.99
Hs.667540	6.88	chr15	N/A	3	71.73
Hs.667804	6.88	chr16	N/A	7	50.41
Hs.541701	6.88	chr2	N/A	3	27.20
Hs.129273	6.88	chr18	N/A	7	37.67
LOC100506997	6.88	chr13	N/A	1	0.00
Hs.544949	6.88	chr7	N/A	7	59.66
Hs.545500	6.88	chr8	N/A	10	49.55
Hs.147550	6.88	chr17	N/A	2	39.12
MPP4	6.88	chr2	2q33.2	20	77.56
CCDC147-AS1	6.88	chr10	N/A	3	29.69
Hs.657983	6.88	chr8	N/A	11	53.41
Hs.731846	6.88	chr15	N/A	8	49.09
Hs.658979	6.88	chr1	N/A	8	60.93
Hs.569914	6.88	chr18	N/A	7	28.86
Hs.613718	6.87	chr1	N/A	4	39.53

Hs.542163	6.87	chr2	N/A	3	29.72
LOC100505904	6.87	chr7	N/A	8	87.42
TMEM52B	6.87	chr12	12p13.2	17	39.57
Hs.131098	6.87	chr7	N/A	8	27.25
Hs.541070	6.87	chr18	N/A	3	53.38
Hs.565353	6.87	chr2	N/A	3	87.55
LINC00551	6.87	chr13	13q33.3	1	0.00
Hs.564264	6.87	chr11	N/A	3	74.64
LOC339685	6.87	chr22	22q13.31	1	0.00
Hs.579548	6.87	chr18	N/A	7	36.46
Hs.714951	6.87	chr9	N/A	1	0.00
Hs.597497	6.87	chr19	N/A	7	104.88
Hs.568465	6.87	chr1	N/A	3	47.61
Hs.568888	6.87	chr10	N/A	3	78.19
LOC389895	6.87	chrX	Xq27.1	21	94.23
TRPC7	6.87	chr5	5q31.1	22	150.08
Hs.112731	6.87	chr2	N/A	10	50.97
Hs.656892	6.87	chr13	N/A	21	120.74
LOC100506303	6.87	chr14	N/A	1	0.00
Hs.171348	6.87	chr5	N/A	3	10.76
Hs.745479	6.87	chr1	N/A	11	120.04
Hs.537599	6.86	chr1	N/A	3	44.06
Hs.606910	6.86	chr11	N/A	1	0.00
Hs.539497	6.86	chr12	N/A	3	63.75
Hs.635118	6.86	chr14	N/A	3	51.67
Hs.658901	6.86	chr6	N/A	9	63.45
Hs.664301	6.86	chr3	N/A	1	0.00
Hs.543833	6.86	chr5	N/A	3	26.75
Hs.550439	6.86	chr21	N/A	3	48.81
Hs.667426	6.86	chr16	N/A	2	31.74
Hs.640516	6.86	chr14	N/A	3	5.54
GABRA3	6.86	chrX	Xq28	23	52.80
Hs.582717	6.86	chr6	N/A	3	48.95
Hs.561762	6.86	chr7	N/A	10	64.56
LINC00471	6.86	chr2	2q37.1	20	73.60
Hs.668078	6.86	chr9	N/A	7	73.55
LOC100216479	6.86	chr2	2q21.1	10	17.07
F13B	6.86	chr1	1q31-q32.1	23	172.37
ZNF560	6.86	chr19	19p13.2	19	70.06
LYG2	6.86	chr2	2q11.2	17	32.35
FSCB	6.86	chr14	14q21.2	22	70.64
Hs.634624	6.85	chr3	N/A	7	88.28
Hs.568653	6.85	chr1	N/A	8	67.23
LOC442075	6.85	chr3	3p25.3	11	61.25
Hs.125407	6.85	chr4	N/A	14	70.32
Hs.542646	6.85	chr21	N/A	3	34.37
PSMA8	6.85	chr18	18q11.2	27	86.86
Hs.555533	6.85	chr16	N/A	3	20.41
Hs.735510	6.85	chr8	N/A	11	29.68
Hs.437448	6.85	chr10	N/A	12	47.87
Hs.680458	6.85	chr11	N/A	1	0.00
Hs.308321	6.85	chr20	N/A	2	60.29
Hs.543201	6.85	chr3	N/A	3	27.14
Hs.667668	6.85	chr7	N/A	6	61.30
LINC00852	6.85	chr3	3p25.3	19	41.39
Hs.604183	6.85	chr5	N/A	2	43.69
Hs.333330	6.85	chr9	N/A	3	35.70
Hs.555257	6.84	chrX	N/A	12	39.82
Hs.562146	6.84	chr1	N/A	3	28.41
PXT1	6.84	chr6	6p21.31	19	55.95
Hs.561773	6.84	chr8	N/A	10	40.70
Hs.621696	6.84	chr5	N/A	3	45.89
Hs.580489	6.84	chr2	N/A	3	37.09
Hs.58611	6.84	chr17	N/A	8	63.08
Hs.734200	6.84	chr2	N/A	7	62.64
Hs.160573	6.84	chr2	N/A	3	46.44

Hs.580465	6.84	chr2	N/A	3	79.29
FLJ37786	6.84	chr1	1q21	1	0.00
Hs.147557	6.84	chr11	N/A	2	51.63
Hs.538346	6.84	chr10	N/A	3	36.03
Hs.560362	6.84	chr15	N/A	3	31.57
Hs.552985	6.84	chr19	N/A	14	115.21
Hs.659549	6.84	chr1	N/A	8	59.49
Hs.540093	6.83	chr14	N/A	7	61.04
LOC100129048	6.83	chr1	1p36.23	2	36.13
Hs.650602	6.83	chr8	N/A	2	2.58
Hs.659998	6.83	chr7	N/A	1	0.00
Hs.664828	6.83	chr22	N/A	9	70.79
PLD5	6.83	chr1	1q43	23	83.25
Hs.129310	6.83	chr6	N/A	5	31.74
Hs.545642	6.83	chr9	N/A	3	9.84
Hs.566638	6.83	chr7	N/A	3	68.42
Hs.733316	6.83	chr19	N/A	8	63.62
Hs.521209	6.83	chr7	N/A	3	34.21
Hs.726378	6.83	chr10	N/A	7	80.78
Hs.207174	6.83	chr10	N/A	7	52.79
DCDC2B	6.83	chr1	1p35.1	4	36.03
Hs.726982	6.83	chr6	N/A	15	59.26
Hs.127375	6.83	chr10	N/A	2	36.13
Hs.97955	6.83	chr14	N/A	18	55.68
Hs.597128	6.83	chr15	N/A	7	55.31
Hs.635238	6.83	chr7	N/A	2	59.97
Hs.565735	6.83	chr21	N/A	3	36.97
Hs.539013	6.83	chr11	N/A	17	86.43
Hs.593376	6.82	chr1	N/A	8	19.13
Hs.657599	6.82	chr7	N/A	17	62.14
Hs.635966	6.82	chr2	N/A	3	96.92
Hs.508901	6.82	chr14	N/A	10	123.11
LOC100288238	6.82	chr9	9p21.3	4	20.72
Hs.565743	6.82	chr21	N/A	3	7.61
LECT2	6.82	chr5	5q31.1	23	51.77
C2orf50	6.82	chr2	2p25.1	19	76.28
Hs.605095	6.82	chr3	N/A	10	54.79
Hs.539562	6.82	chr13	N/A	3	16.15
Hs.601327	6.82	chrX	N/A	7	39.61
Hs.604414	6.82	chr16	N/A	7	82.03
LOC100128176	6.82	chr6	6q25.1	19	87.62
Hs.582096	6.82	chr4	N/A	3	30.27
TMEM156	6.82	chr4	4p14	25	82.80
Hs.622236	6.82	chr3	N/A	3	78.49
Hs.440322	6.82	chr2	N/A	3	41.33
Hs.540154	6.82	chr15	N/A	3	44.68
Hs.126678	6.81	chr1	N/A	25	61.36
Hs.667315	6.81	chr6	N/A	3	44.15
Hs.718733	6.81	chr16	N/A	10	48.47
Hs.584976	6.81	chr15	N/A	3	75.61
ZNF582-AS1	6.81	chr19	19q13.43	1	0.00
LOC100653515	6.81	chr17	17q25	10	112.16
Hs.570524	6.81	chr3	N/A	3	90.22
Hs.570163	6.81	chr2	N/A	2	23.52
Hs.562745	6.81	chr17	N/A	3	13.24
Hs.573323	6.81	chr7	N/A	3	50.77
Hs.541800	6.81	chr2	N/A	3	26.14
Hs.602404	6.81	chr14	N/A	3	68.68
LINC00577	6.81	chr6	6q21	1	0.00
Hs.195726	6.81	chr5	N/A	3	35.90
LOC100507461	6.81	chr3	N/A	8	55.28
Hs.610545	6.81	chr15	N/A	3	58.35
Hs.583827	6.81	chr8	N/A	3	63.06
Hs.616278	6.81	chr14	N/A	3	33.56
Hs.454803	6.81	chr1	N/A	3	56.42
Hs.539385	6.81	chr12	N/A	3	59.35

Hs.131331	6.80	chr10	N/A	2	48.15
TSGA10	6.80	chr2	2q11.2	35	40.62
Hs.658078	6.80	chr5	N/A	7	33.17
Hs.543500	6.80	chr4	N/A	3	38.59
LOC100287221	6.80	chr16	16q24.2	14	74.83
LOC728724	6.80	chr8	8q24.21	16	66.43
Hs.542116	6.80	chr2	N/A	3	74.18
Hs.545757	6.80	chr9	N/A	3	20.72
Hs.121476	6.80	chr2	N/A	1	0.00
ROPN1L-AS1	6.80	chr5	5p15.2	2	36.10
Hs.543276	6.80	chr13	N/A	3	56.39
Hs.655881	6.80	chr7	N/A	9	29.02
Hs.652946	6.80	chr13	N/A	3	45.91
NPAS4	6.80	chr11	11q13	15	70.64
Hs.125829	6.80	chr19	N/A	11	35.06
Hs.661051	6.80	chr7	N/A	8	44.25
NEK5	6.80	chr13	13q14.3	3	41.48
Hs.658669	6.80	chr11	N/A	1	0.00
Hs.635165	6.80	chr15	N/A	7	33.01
Hs.675312	6.80	chr8	N/A	2	22.56
Hs.540885	6.80	chr17	N/A	3	86.32
Hs.540213	6.80	chr15	N/A	3	16.74
Hs.129441	6.80	chr5	N/A	10	79.34
Hs.540082	6.80	chr14	N/A	5	59.13
Hs.554699	6.80	chr21	N/A	3	41.04
TCHHL1	6.79	chr1	1q21.3	6	43.48
CLPSL2	6.79	chr6	6p21.31	16	44.08
Hs.523675	6.79	chr1	N/A	3	22.24
Hs.577424	6.79	chr12	N/A	3	21.22
LOC100288897	6.79	chr2	2q21.1	7	59.08
Hs.601162	6.79	chr9	N/A	7	52.64
Hs.602926	6.79	chr2	N/A	14	37.15
Hs.729621	6.79	chr21	N/A	3	31.58
Hs.147106	6.79	chr9	N/A	6	75.25
Hs.526617	6.79	chr20	N/A	3	37.57
Hs.665648	6.79	chr17	N/A	3	43.02
FAM83B	6.79	chr6	6p12.1	34	53.92
Hs.733918	6.79	chr4	N/A	3	63.23
Hs.602736	6.79	chr7	N/A	7	45.29
SNORD54	6.79	chr8	8q12	3	15.85
Hs.544175	6.79	chr5	N/A	3	83.74
Hs.125562	6.79	chr8	N/A	4	55.81
LOC100506631	6.79	chr6	N/A	4	16.81
Hs.670673	6.79	chr2	N/A	1	0.00
Hs.595930	6.79	chr7	N/A	7	55.26
Hs.437410	6.79	chr10	N/A	3	8.77
LINC00543	6.79	chr13	13q12.2	12	88.41
PRR23C	6.79	chr3	3q23	3	26.62
Hs.733557	6.79	chr5	N/A	7	50.01
Hs.634713	6.79	chr2	N/A	7	55.00
Hs.129543	6.79	chr14	N/A	9	59.52
DPPA2	6.79	chr3	3q13.13	26	63.41
Hs.187018	6.79	chr2	N/A	18	66.16
Hs.539017	6.78	chr11	N/A	2	33.33
LOC100130507	6.78	chr11	11q25	10	25.91
Hs.587347	6.78	chr5	N/A	3	19.17
Hs.581662	6.78	chr3	N/A	3	19.60
Hs.732838	6.78	chr9	N/A	10	25.72
OR6C75	6.78	chr12	12q13.2	3	38.14
Hs.653329	6.78	chr2	N/A	7	67.93
Hs.729632	6.78	chr2	N/A	2	1.33
Hs.545221	6.78	chr8	N/A	3	47.30
Hs.583838	6.78	chr8	N/A	3	50.94
Hs.680150	6.78	chr11	N/A	2	56.37
Hs.602667	6.78	chr12	N/A	14	76.14
TPRG1	6.78	chr3	3q28	29	52.81

Hs.563113	6.78	chr3	N/A	3	36.04
FBXO36	6.78	chr2	2q36.3	40	67.88
Hs.684553	6.78	chr3	N/A	11	55.83
FAM194B	6.77	chr13	13q14.13	13	58.13
Hs.147346	6.77	chr18	N/A	2	7.89
Hs.172610	6.77	chr10	N/A	10	65.63
ZNF121	6.77	chr19	19p	26	63.57
Hs.538815	6.77	chr11	N/A	7	52.50
Hs.667251	6.77	chr2	N/A	2	24.79
Hs.539166	6.77	chr12	N/A	3	70.79
C15orf32	6.77	chr15	15q26.1	17	35.29
Hs.666248	6.77	chr1	N/A	14	48.15
Hs.680113	6.77	chr6	N/A	1	0.00
Hs.175079	6.77	chr5	N/A	3	42.52
Hs.735083	6.77	chr10	N/A	3	26.26
Hs.557747	6.77	chr5	N/A	3	55.26
ARHGEF38-IT1	6.76	chr4	N/A	2	57.75
Hs.666878	6.76	chr3	N/A	3	33.66
Hs.537697	6.76	chr1	N/A	3	23.61
KCNH1	6.76	chr1	1q32.2	31	51.05
Hs.443913	6.76	chr11	N/A	10	56.96
EMR3	6.76	chr19	19p13.1	24	100.01
Hs.545870	6.76	chr9	N/A	3	8.48
Hs.635771	6.76	chr20	N/A	3	23.85
Hs.582475	6.76	chr5	N/A	3	54.17
Hs.127550	6.76	chr1	N/A	3	18.76
Hs.666023	6.76	chr17	N/A	7	60.03
PPP1R36	6.76	chr14	14q23.3	19	73.99
Hs.568814	6.76	chr10	N/A	3	14.69
Hs.586516	6.75	chr1	N/A	4	29.68
HOXB8	6.75	chr17	17q21.3	23	42.07
Hs.132344	6.75	chr15	N/A	2	25.85
Hs.567987	6.75	chr9	N/A	3	20.51
Hs.568618	6.75	chr1	N/A	4	42.96
Hs.666266	6.75	chr20	N/A	15	72.29
OR2J3	6.75	chr6	6p22.1	8	30.78
Hs.610161	6.75	chr14	N/A	1	0.00
Hs.672758	6.75	chr13	N/A	1	0.00
Hs.565150	6.75	chr18	N/A	3	70.59
Hs.635037	6.75	chr9	N/A	1	0.00
Hs.327445	6.75	chr13	N/A	2	48.71
Hs.602971	6.75	chr2	N/A	7	67.94
Hs.662675	6.75	chr4	N/A	7	47.09
Hs.667386	6.75	chr14	N/A	7	66.32
Hs.591581	6.75	chr2	N/A	4	20.50
Hs.580525	6.75	chr2	N/A	3	104.77
LINC00474	6.75	chr9	9q31.3	39	92.13
KLHL1	6.75	chr13	13q21	17	76.26
Hs.314518	6.74	chr3	N/A	2	73.93
CLEC12B	6.74	chr12	12p13.2	17	89.29
ZAR1	6.74	chr4	4p11	18	59.63
Hs.208288	6.74	chr19	N/A	2	19.61
Hs.714479	6.74	chr1	N/A	1	0.00
Hs.144651	6.74	chr16	N/A	7	60.43
GABRA6	6.74	chr5	5q34	23	58.04
Hs.729639	6.74	chr1	N/A	1	0.00
Hs.574448	6.74	chr18	N/A	7	30.08
Hs.620738	6.74	chr2	N/A	10	33.11
PCDHGB2	6.74	chr5	5q31	3	15.97
Hs.22303	6.74	chr18	N/A	7	75.79
Hs.231895	6.74	chr22	N/A	11	73.78
Hs.669511	6.74	chr15	N/A	1	0.00
Hs.603205	6.74	chr11	N/A	7	33.56
LOC100505776	6.74	chr18	N/A	1	0.00
LOC728573	6.74	chr20	20p12.2	7	33.69
Hs.651496	6.74	chr14	N/A	3	27.94

Hs.276586	6.74	chr8	N/A	3	14.81
Hs.648951	6.73	chr3	N/A	3	77.13
NOP14-AS1	6.73	chr4	4p16.3	29	55.60
Hs.635180	6.73	chr6	N/A	2	4.90
Hs.544187	6.73	chr5	N/A	3	57.47
Hs.666735	6.73	chr1	N/A	2	8.37
Hs.624229	6.73	chr6	N/A	3	49.11
LOC100506465	6.73	chr12	N/A	12	111.18
CASC1	6.73	chr12	12p12.1	23	75.62
Hs.665503	6.73	chr14	N/A	1	0.00
Hs.729517	6.73	chr3	N/A	1	0.00
Hs.98173	6.73	chr18	N/A	21	44.76
Hs.659789	6.73	chr10	N/A	7	51.00
Hs.650280	6.73	chr11	N/A	3	12.07
FLJ16171	6.73	chr5	5q35.2	3	12.23
OR5H15	6.73	chr3	3q12.1	3	32.37
Hs.148819	6.73	chr2	N/A	2	38.06
Hs.668333	6.73	chr7	N/A	1	0.00
Hs.603892	6.73	chr21	N/A	7	71.09
Hs.663993	6.73	chr9	N/A	7	48.50
Hs.716965	6.73	chr11	N/A	3	35.41
CCDC67	6.73	chr11	11q21	41	172.76
Hs.663111	6.73	chr4	N/A	8	79.55
Hs.602570	6.73	chr5	N/A	14	76.09
Hs.668095	6.72	chr3	N/A	7	85.32
Hs.125589	6.72	chr2	N/A	3	6.87
Hs.542574	6.72	chr21	N/A	7	55.64
Hs.738249	6.72	chr5	N/A	3	56.53
Hs.128556	6.72	chr4	N/A	6	98.93
Hs.570167	6.72	chr2	N/A	3	36.23
Hs.553441	6.72	chr2	N/A	3	44.75
Hs.610506	6.72	chr1	N/A	1	0.00
Hs.23246	6.72	chr9	N/A	3	61.80
Hs.128896	6.72	chr16	N/A	14	41.27
Hs.86937	6.72	chr17	N/A	4	62.02
PITX1	6.72	chr5	5q31.1	33	55.96
Hs.603380	6.72	chr6	N/A	2	11.38
Hs.667527	6.72	chr9	N/A	3	64.69
KCTD16	6.72	chr5	5q31.3	27	63.82
Hs.13284	6.72	chr2	N/A	8	50.76
Hs.130690	6.72	chr13	N/A	9	49.62
Hs.23298	6.72	chr13	N/A	10	52.97
Hs.634877	6.72	chr16	N/A	7	61.16
Hs.668369	6.71	chr11	N/A	7	76.58
PWRN1	6.71	chr15	15q11.2	11	42.37
Hs.590565	6.71	chr7	N/A	4	41.50
Hs.403766	6.71	chr18	N/A	3	35.42
C14orf105	6.71	chr14	14q22.3	39	83.48
Hs.531984	6.71	chr3	N/A	3	26.54
Hs.159356	6.71	chr16	N/A	2	32.65
Hs.134221	6.71	chr13	N/A	7	42.72
CLEC18A	6.71	chr16	16q22.1	7	37.85
Hs.736845	6.71	chr11	N/A	1	0.00
Hs.588460	6.71	chrX	N/A	7	88.22
Hs.542825	6.71	chr3	N/A	3	57.29
Hs.667456	6.71	chr7	N/A	2	12.54
Hs.577994	6.71	chr13	N/A	3	17.56
Hs.603369	6.71	chr7	N/A	2	43.36
Hs.537394	6.71	chr4	N/A	10	36.00
Hs.662333	6.71	chr6	N/A	8	48.36
Hs.514946	6.71	chr18	N/A	2	57.87
Hs.146859	6.71	chr5	N/A	3	62.55
Hs.604026	6.70	chr14	N/A	7	31.76
LOC100506714	6.70	chr22	N/A	1	0.00
Hs.635157	6.70	chr16	N/A	3	9.32
Hs.437873	6.70	chr17	N/A	7	33.05

Hs.544462	6.70	chr6	N/A	10	51.79
Hs.603703	6.70	chr7	N/A	2	31.54
Hs.552139	6.70	chr8	N/A	3	24.93
Hs.116208	6.70	chr18	N/A	7	90.21
C8orf22	6.70	chr8	8q11	17	89.41
Hs.133166	6.70	chr13	N/A	10	33.73
Hs.126566	6.70	chr13	N/A	24	59.44
Hs.577829	6.70	chr13	N/A	3	64.26
Hs.561669	6.70	chr7	N/A	3	64.00
Hs.656321	6.70	chr5	N/A	1	0.00
Hs.542081	6.70	chr2	N/A	3	43.92
Hs.563764	6.70	chr1	N/A	3	17.21
Hs.589360	6.70	chr15	N/A	3	87.14
Hs.639977	6.70	chr18	N/A	3	35.17
Hs.662607	6.70	chr1	N/A	7	44.85
LCE6A	6.70	chr1	1q21.3	10	53.68
Hs.579513	6.70	chr18	N/A	3	59.77
Hs.682881	6.70	chr6	N/A	1	0.00
Hs.679153	6.70	chr18	N/A	1	0.00
Hs.574762	6.70	chr2	N/A	3	27.96
Hs.659478	6.70	chr18	N/A	7	61.14
Hs.560111	6.70	chr12	N/A	3	19.11
Hs.547311	6.69	chr10	N/A	1	0.00
Hs.732620	6.69	chr10	N/A	1	0.00
Hs.666219	6.69	chr1	N/A	17	70.49
Hs.657693	6.69	chr2	N/A	1	0.00
SLC26A4-AS1	6.69	chr7	7q22.3	11	27.13
Hs.545900	6.69	chr9	N/A	3	29.41
Hs.388313	6.69	chr21	N/A	1	0.00
Hs.539424	6.69	chr12	N/A	7	41.89
Hs.520533	6.69	chr6	N/A	3	54.02
Hs.349207	6.69	chr6	N/A	11	67.05
Hs.587350	6.69	chr9	N/A	8	41.25
Hs.560433	6.69	chr16	N/A	1	0.00
Hs.578214	6.69	chr14	N/A	3	60.79
Hs.666247	6.69	chr9	N/A	14	59.74
Hs.667357	6.69	chr3	N/A	3	79.31
Hs.675702	6.69	chr4	N/A	10	51.09
Hs.206112	6.69	chr4	N/A	9	56.28
Hs.128696	6.68	chr5	N/A	7	33.33
Hs.665913	6.68	chr13	N/A	7	30.79
FLJ31713	6.68	chr9	9q32	11	46.59
Hs.98463	6.68	chr6	N/A	3	44.58
Hs.659261	6.68	chr3	N/A	3	34.70
Hs.127277	6.68	chr12	N/A	7	57.17
Hs.561207	6.68	chr3	N/A	8	91.76
C11orf85	6.68	chr11	11q13.1	24	37.32
Hs.659587	6.68	chr18	N/A	7	103.82
Hs.128227	6.68	chr14	N/A	3	43.86
LRRC24	6.68	chr8	8q24.3	3	74.57
Hs.134153	6.68	chr9	N/A	3	23.36
Hs.532671	6.68	chr14	N/A	2	35.44
NPHP3-AS1	6.68	chr3	3q22.1	2	43.63
Hs.669696	6.68	chr4	N/A	14	63.48
LOC729860	6.68	chr11	11q25	3	61.87
Hs.667869	6.68	chr21	N/A	7	74.64
Hs.130744	6.68	chr12	N/A	1	0.00
Hs.599895	6.68	chr12	N/A	2	28.67
LOC100134040	6.68	chr7	7q36.1	1	0.00
Hs.522392	6.68	chr9	N/A	3	12.70
Hs.565060	6.68	chr17	N/A	3	13.35
Hs.662808	6.68	chr5	N/A	3	67.54
Hs.408973	6.68	chr2	N/A	5	38.11
Hs.208801	6.68	chr5	N/A	3	62.16
Hs.574530	6.68	chr19	N/A	3	52.59
Hs.734366	6.68	chr18	N/A	2	3.40

CT64	6.68	chr3	3q26.1	19	115.35
Hs.605642	6.68	chr18	N/A	1	0.00
Hs.677115	6.68	chr1	N/A	10	70.78
Hs.499208	6.67	chr16	N/A	3	61.65
OR51B4	6.67	chr11	11p15	17	44.22
Hs.537396	6.67	chr4	N/A	7	50.06
CT62	6.67	chr15	15q23	22	48.75
Hs.216636	6.67	chr1	N/A	3	46.48
Hs.567013	6.67	chr9	N/A	3	28.70
Hs.544988	6.67	chr7	N/A	5	93.60
Hs.616034	6.67	chr17	N/A	3	31.10
Hs.540448	6.67	chr16	N/A	5	56.28
Hs.636818	6.67	chr1	N/A	5	57.01
Hs.635603	6.67	chr1	N/A	1	0.00
Hs.574207	6.67	chr15	N/A	3	51.71
Hs.693955	6.67	chr9	N/A	7	34.17
Hs.555501	6.66	chr13	N/A	3	29.60
Hs.666533	6.66	chr2	N/A	14	85.31
Hs.145566	6.66	chr12	N/A	7	69.89
Hs.733597	6.66	chr2	N/A	1	0.00
Hs.538683	6.66	chr11	N/A	3	18.57
Hs.597262	6.66	chr16	N/A	1	0.00
Hs.733838	6.66	chr8	N/A	7	58.80
Hs.544581	6.66	chr6	N/A	2	117.79
Hs.663481	6.66	chr3	N/A	20	52.68
Hs.594727	6.66	chr2	N/A	7	46.88
LOC100996400	6.66	chr18	N/A	2	30.82
SLC9A7	6.66	chrX	Xp11.3	10	29.19
Hs.714378	6.66	chr3	N/A	10	20.75
Hs.333764	6.66	chr4	N/A	3	65.88
Hs.544122	6.66	chr5	N/A	3	49.03
Hs.546084	6.66	chrX	N/A	3	27.49
LGALS16	6.66	chr19	19q13.2	3	13.51
KRT78	6.66	chr12	12q13.13	25	73.68
Hs.503388	6.66	chr2	N/A	2	22.31
Hs.649599	6.66	chr9	N/A	15	52.52
MTNR1A	6.66	chr4	4q35.1	21	50.90
Hs.665468	6.66	chr2	N/A	7	57.69
KCNK18	6.66	chr10	10q25.3	16	84.09
Hs.604247	6.66	chr3	N/A	2	14.74
Hs.649732	6.66	chr7	N/A	1	0.00
Hs.364308	6.66	chr9	N/A	3	13.58
Hs.708423	6.66	chr10	N/A	7	65.53
Hs.147738	6.65	chr5	N/A	2	0.30
Hs.574973	6.65	chr3	N/A	5	42.36
Hs.666054	6.65	chr18	N/A	7	54.77
LOC100505702	6.65	chr4	N/A	21	110.68
Hs.602920	6.65	chr8	N/A	7	45.71
Hs.738387	6.65	chr14	N/A	3	79.70
FAM66D	6.65	chr8	8p23.1	8	41.38
LOC574538	6.65	chr12	12p13.33	2	28.18
Hs.543008	6.65	chr3	N/A	3	16.62
HELT	6.65	chr4	4q35.1	5	89.34
Hs.668030	6.65	chr2	N/A	2	7.13
Hs.664759	6.65	chr2	N/A	8	41.29
LINC00898	6.65	chr22	22q13.31	6	30.40
Hs.134845	6.64	chr6	N/A	3	32.27
SI	6.64	chr3	3q25.2-q26.2	26	99.06
PCDHGA2	6.64	chr5	5q31	3	12.08
Hs.572007	6.64	chr10	N/A	3	42.31
Hs.646293	6.64	chr10	N/A	11	90.45
Hs.428820	6.64	chr5	N/A	3	42.00
Hs.127200	6.64	chr12	N/A	2	49.78
LOC643401	6.64	chr5	5p14.1	20	62.95
Hs.127405	6.64	chr11	N/A	2	19.23
Hs.602270	6.64	chr10	N/A	7	36.97

Hs.161387	6.64	chr1	N/A	3	39.40
Hs.561383	6.64	chr5	N/A	3	35.93
Hs.666295	6.64	chr1	N/A	15	43.51
Hs.134801	6.64	chr5	N/A	10	33.88
Hs.603924	6.64	chr3	N/A	7	37.71
Hs.310540	6.64	chr4	N/A	10	79.28
LOC100129476	6.63	chr1	1p36.31	11	61.18
ANKRD30BL	6.63	chr2	2q21.2	29	90.65
Hs.667773	6.63	chrX	N/A	5	34.49
Hs.409558	6.63	chr5	N/A	7	54.45
Hs.574301	6.63	chr16	N/A	3	47.92
Hs.574358	6.63	chr17	N/A	3	49.14
Hs.244772	6.63	chr7	N/A	15	67.95
Hs.574198	6.63	chr15	N/A	3	36.02
Hs.154618	6.63	chr12	N/A	5	40.57
Hs.575097	6.63	chr4	N/A	3	32.58
LINC00238	6.63	chr14	14q23.3	14	53.23
Hs.551449	6.63	chr2	N/A	3	50.25
Hs.666210	6.63	chr7	N/A	7	55.70
Hs.583127	6.63	chr7	N/A	10	57.31
C4orf45	6.63	chr4	4q32.1	17	65.05
Hs.662954	6.63	chr1	N/A	2	11.00
Hs.145733	6.63	chr11	N/A	7	55.41
Hs.435258	6.63	chr2	N/A	3	9.45
Hs.325414	6.63	chr1	N/A	3	34.78
BPY2B	6.63	chrY	Yq11.223	13	96.92
Hs.664757	6.62	chr11	N/A	7	59.34
Hs.604018	6.62	chr1	N/A	2	26.93
Hs.516537	6.62	chr2	N/A	3	33.07
TNIP3	6.62	chr4	4q27	21	111.32
Hs.149363	6.62	chr18	N/A	7	39.87
MAP3K14-AS1	6.62	chr17	17q21.31	11	58.27
Hs.539683	6.62	chr13	N/A	3	40.32
Hs.581453	6.62	chr3	N/A	3	9.71
Hs.594437	6.62	chr9	N/A	7	55.36
Hs.345497	6.62	chr2	N/A	3	77.62
SPG20OS	6.62	chr13	13q13.3	9	80.25
C21orf15	6.62	chr21	21q11	21	31.78
Hs.199776	6.62	chr2	N/A	2	33.12
Hs.661108	6.62	chr12	N/A	17	183.13
Hs.542103	6.62	chr2	N/A	3	81.09
Hs.130081	6.62	chr16	N/A	7	36.84
Hs.732603	6.62	chr2	N/A	7	71.67
Hs.666913	6.62	chr7	N/A	16	43.05
LOC100507162	6.62	chr8	N/A	7	70.95
C2orf27B	6.62	chr2	2q21	6	59.52
Hs.547714	6.62	chr6	N/A	3	4.95
Hs.735312	6.62	chr11	N/A	10	23.27
Hs.63027	6.62	chr8	N/A	7	22.62
Hs.666096	6.61	chr11	N/A	7	49.03
LINC00162	6.61	chr21	21q22.3	11	16.15
Hs.608419	6.61	chr6	N/A	4	56.96
Hs.564433	6.61	chr12	N/A	3	18.26
Hs.624309	6.61	chr1	N/A	1	0.00
Hs.136900	6.61	chr4	N/A	7	50.11
Hs.667302	6.61	chr6	N/A	7	34.05
LOC100289061	6.61	chr1	1q21.3	1	0.00
LOC100506667	6.61	chr9	N/A	12	28.42
MBD3L1	6.61	chr19	19p13.2	18	42.12
Hs.191462	6.61	chr10	N/A	3	39.82
ACOT6	6.61	chr14	14q24.3	13	51.34
Hs.633666	6.61	chr3	N/A	3	54.64
Hs.736457	6.61	chr14	N/A	5	54.91
Hs.659010	6.61	chr16	N/A	7	61.95
Hs.673130	6.61	chr8	N/A	2	18.87
Hs.127012	6.61	chr12	N/A	2	4.42

LYPD6B	6.61	chr2	2q23.2	26	60.71
Hs.562688	6.61	chr16	N/A	3	10.94
Hs.670148	6.60	chr18	N/A	1	0.00
Hs.436882	6.60	chr6	N/A	8	50.85
Hs.667437	6.60	chr7	N/A	3	76.87
GPR115	6.60	chr6	6p12.3	37	82.55
Hs.571101	6.60	chr3	N/A	11	95.36
Hs.337803	6.60	chr3	N/A	10	68.65
Hs.712456	6.60	chr11	N/A	7	37.35
Hs.543313	6.60	chr4	N/A	3	19.02
Hs.667310	6.60	chr4	N/A	7	63.56
Hs.126945	6.60	chr8	N/A	7	62.59
OR6N2	6.60	chr1	1q23.1	6	64.90
Hs.365998	6.60	chr5	N/A	3	66.60
Hs.691768	6.60	chr5	N/A	14	67.77
Hs.130970	6.60	chr8	N/A	11	45.99
LOC728065	6.60	chr10	10q26.2	3	52.59
Hs.597446	6.60	chr14	N/A	2	20.39
SPANXN2	6.60	chrX	Xq27.3	3	33.70
ANKEF1	6.60	chr20	20p12.2	38	44.20
Hs.144809	6.60	chr14	N/A	3	25.91
Hs.662810	6.60	chr6	N/A	7	54.66
LOC100996263	6.60	chr1	N/A	4	66.10
PITPNM3	6.59	chr17	17p13	29	111.97
Hs.160418	6.59	chr21	N/A	1	0.00
Hs.673547	6.59	chr2	N/A	1	0.00
Hs.543579	6.59	chr4	N/A	3	63.71
RCAN3AS	6.59	chr1	1p36.11	7	59.39
Hs.600542	6.59	chr9	N/A	8	46.12
Hs.673744	6.59	chr3	N/A	1	0.00
Hs.587403	6.59	chr6	N/A	10	44.85
Hs.602859	6.59	chr10	N/A	7	25.49
Hs.661693	6.59	chr1	N/A	7	78.78
Hs.656832	6.59	chr4	N/A	8	60.53
LOC645359	6.59	chr1	1p36.21	3	52.28
LOC728586	6.59	chr5	5q23.2	10	25.71
Hs.534297	6.59	chr14	N/A	3	42.07
Hs.560620	6.58	chr19	N/A	3	44.25
Hs.625718	6.58	chr4	N/A	10	28.93
OK/SW-CL.36	6.58	chr4	4q21.23	11	41.75
Hs.661105	6.58	chr17	N/A	13	85.35
Hs.545160	6.58	chr7	N/A	3	31.12
KRTAP19-4	6.58	chr21	21q22.1	6	56.56
LOC100499194	6.58	chr2	2q14.1	15	44.50
Hs.135696	6.58	chr15	N/A	10	56.11
FBXO39	6.58	chr17	17p13.1	24	71.59
DNIT	6.58	chr10	10q23-q24	28	61.33
Hs.471918	6.58	chr1	N/A	3	32.69
LNX1-AS1	6.58	chr4	N/A	7	104.69
Hs.574814	6.58	chr20	N/A	3	21.03
Hs.408790	6.58	chr21	N/A	1	0.00
Hs.224452	6.58	chr11	N/A	3	39.58
Hs.132533	6.58	chr21	N/A	3	35.63
Hs.664064	6.58	chr7	N/A	5	47.40
Hs.657834	6.58	chr4	N/A	3	28.27
Hs.244855	6.57	chr2	N/A	3	65.98
Hs.360950	6.57	chr18	N/A	3	27.30
Hs.132056	6.57	chr20	N/A	14	74.58
Hs.602184	6.57	chr1	N/A	3	31.83
Hs.666860	6.57	chr17	N/A	7	21.78
Hs.128938	6.57	chr8	N/A	3	21.56
Hs.567522	6.57	chr17	N/A	7	38.14
Hs.568460	6.57	chr1	N/A	7	46.12
Hs.145490	6.57	chr5	N/A	3	68.66
Hs.566003	6.57	chr4	N/A	3	17.78
Hs.112799	6.57	chr8	N/A	7	62.61

Hs.157173	6.57	chr2	N/A	3	32.39
Hs.549910	6.57	chr17	N/A	3	33.15
Hs.741704	6.57	chr1	N/A	7	86.84
Hs.441432	6.56	chr1	N/A	3	72.07
Hs.560143	6.56	chr13	N/A	3	49.73
LOC100505555	6.56	chr19	N/A	9	42.04
Hs.565762	6.56	chr21	N/A	3	58.17
Hs.118228	6.56	chr7	N/A	8	61.50
Hs.664148	6.56	chr16	N/A	7	79.90
Hs.730102	6.56	chr11	N/A	2	45.80
Hs.666803	6.56	chr15	N/A	7	35.33
Hs.441591	6.56	chr19	N/A	3	47.81
Hs.566569	6.56	chr6	N/A	3	61.08
Hs.663878	6.56	chr11	N/A	15	54.69
ZP1	6.56	chr11	11q12.2	21	89.26
LOC254099	6.56	chr1	1p36.33	4	38.44
Hs.246303	6.56	chr14	N/A	3	64.42
OSBPL10-AS1	6.56	chr3	N/A	21	59.25
Hs.208719	6.55	chr5	N/A	3	26.69
Hs.566251	6.55	chr5	N/A	3	63.52
Hs.114076	6.55	chr6	N/A	10	42.97
Hs.666105	6.55	chr3	N/A	7	92.57
Hs.679237	6.55	chr15	N/A	5	87.02
Hs.736168	6.55	chr19	N/A	3	62.49
Hs.601467	6.55	chr1	N/A	3	28.29
Hs.662329	6.55	chr5	N/A	7	40.36
Hs.664549	6.55	chr18	N/A	7	65.55
Hs.147102	6.55	chr13	N/A	6	37.23
Hs.570257	6.55	chr2	N/A	3	43.67
Hs.667422	6.55	chr8	N/A	7	47.41
GRXCR1	6.55	chr4	4p13	5	62.28
Hs.577002	6.55	chr11	N/A	3	47.79
PCDHA1	6.55	chr5	5q31	3	7.26
Hs.655724	6.55	chr10	N/A	1	0.00
Hs.652675	6.55	chr10	N/A	2	18.61
CTRB1	6.55	chr16	16q23.1	26	85.73
Hs.634733	6.55	chr10	N/A	7	64.24
Hs.580367	6.55	chr2	N/A	3	28.83
Hs.537731	6.54	chr1	N/A	3	60.12
Hs.504036	6.54	chr2	N/A	3	14.73
Hs.560471	6.54	chr16	N/A	3	12.49
C9orf129	6.54	chr9	9q22.31	2	5.00
Hs.542952	6.54	chr3	N/A	3	40.39
Hs.667560	6.54	chr14	N/A	3	21.45
Hs.208027	6.54	chr6	N/A	3	46.41
Hs.603377	6.54	chr3	N/A	2	126.29
Hs.710032	6.54	chr6	N/A	1	0.00
Hs.578402	6.54	chr15	N/A	3	58.09
Hs.659514	6.54	chr20	N/A	1	0.00
Hs.659043	6.54	chrX	N/A	7	58.23
Hs.463864	6.54	chr17	N/A	3	39.55
Hs.604211	6.54	chr1	N/A	7	52.40
Hs.540024	6.54	chr14	N/A	3	56.57
Hs.164131	6.54	chr14	N/A	3	15.25
Hs.565664	6.54	chr20	N/A	3	31.25
Hs.563249	6.54	chr5	N/A	3	39.14
Hs.661694	6.54	chr15	N/A	7	29.14
Hs.125480	6.54	chr2	N/A	2	14.53
Hs.128599	6.53	chr1	N/A	8	81.57
Hs.121853	6.53	chr5	N/A	7	47.98
Hs.373674	6.53	chr18	N/A	10	48.39
FAM183B	6.53	chr7	7p14.1	12	82.70
Hs.148700	6.53	chr22	N/A	2	26.07
LOC100130285	6.53	chr16	16p13.3	11	21.87
C7orf57	6.53	chr7	7p12.3	14	102.46
Hs.571852	6.53	chr1	N/A	8	48.77

Hs.576092	6.53	chr1	N/A	7	55.46
Hs.134565	6.53	chr20	N/A	7	66.31
Hs.568230	6.53	chr1	N/A	8	46.46
Hs.121623	6.53	chr20	N/A	4	56.69
Hs.213972	6.53	chr9	N/A	3	36.11
OR5K3	6.53	chr3	3q12.1	6	69.34
Hs.660398	6.53	chr4	N/A	7	37.51
Hs.665907	6.53	chr1	N/A	7	35.56
OTOA	6.53	chr16	16p12.2	26	52.67
Hs.257871	6.53	chr10	N/A	3	29.10
Hs.665855	6.53	chr1	N/A	3	24.72
Hs.612175	6.52	chr1	N/A	1	0.00
GALR1	6.52	chr18	18q23	24	82.11
Hs.661701	6.52	chr10	N/A	7	45.51
Hs.658595	6.52	chr6	N/A	8	72.33
Hs.604222	6.52	chr13	N/A	2	20.47
Hs.650750	6.52	chr22	N/A	7	53.69
Hs.662330	6.52	chr1	N/A	7	38.69
Hs.566017	6.52	chr4	N/A	3	41.76
Hs.661763	6.52	chr7	N/A	5	92.61
Hs.143843	6.52	chr12	N/A	7	73.11
Hs.614274	6.52	chr6	N/A	2	2.08
DEFB125	6.52	chr20	20p13	17	89.89
Hs.586170	6.51	chr4	N/A	2	51.68
OR1411	6.51	chr1	1q44	3	4.06
Hs.441600	6.51	chr19	N/A	4	33.05
LOC100506851	6.51	chr6	N/A	1	0.00
Hs.622583	6.51	chr22	N/A	3	39.42
Hs.664354	6.51	chr9	N/A	1	0.00
Hs.587384	6.51	chr6	N/A	2	9.56
LOC100631378	6.51	chr19	19q13.13	2	25.93
Hs.129330	6.51	chr4	N/A	6	42.52
FAM71E2	6.51	chr19	19q13.42	25	49.27
Hs.559693	6.51	chr1	N/A	7	24.64
LOC285740	6.51	chr6	6q24.2	19	76.13
Hs.659785	6.51	chr3	N/A	7	74.60
SLC51B	6.51	chr15	15q22.31	23	96.05
LOC643085	6.51	chr2	2q11.1	3	43.60
MAGEA1	6.51	chrX	Xq28	26	79.81
LOC286189	6.50	chr8	8q13.1	1	0.00
Hs.445219	6.50	chr10	N/A	4	47.18
PAN3-AS1	6.50	chr13	13q12.2	1	0.00
Hs.652614	6.50	chr9	N/A	7	62.30
Hs.722484	6.50	chr3	N/A	7	89.30
Hs.213716	6.50	chr12	N/A	3	54.14
Hs.666775	6.50	chr21	N/A	22	64.44
Hs.164125	6.50	chr9	N/A	3	53.17
Hs.604179	6.50	chr22	N/A	2	0.56
Hs.614118	6.50	chr9	N/A	1	0.00
Hs.674249	6.50	chr2	N/A	3	38.05
Hs.539243	6.50	chr12	N/A	3	19.03
Hs.161915	6.50	chr16	N/A	3	35.35
Hs.600269	6.50	chr7	N/A	1	0.00
SLC9B1	6.50	chr4	4q24	61	91.95
Hs.543817	6.50	chr5	N/A	3	20.93
LOC100129620	6.50	chr1	1p21.3	11	139.65
Hs.663495	6.50	chr18	N/A	1	0.00
RIMBP3C	6.50	chr22	22q11.21	7	72.79
Hs.542812	6.50	chr3	N/A	3	20.03
Hs.712307	6.50	chr5	N/A	1	0.00
Hs.666535	6.50	chr20	N/A	7	42.90
Hs.663487	6.50	chr3	N/A	15	66.80
Hs.660325	6.50	chr14	N/A	3	23.21
Hs.574650	6.50	chr2	N/A	2	22.15
Hs.659426	6.50	chr3	N/A	8	50.51
Hs.572928	6.50	chr3	N/A	3	27.04

Hs.736248	6.50	chr18	N/A	1	0.00
Hs.334300	6.49	chr21	N/A	3	71.39
Hs.551827	6.49	chr1	N/A	1	0.00
LOC100129961	6.49	chr2	2q21.3	8	61.84
Hs.130239	6.49	chr6	N/A	16	68.71
SYT10	6.49	chr12	12p11.1	25	59.52
TMC3	6.49	chr15	15q25.1	15	81.41
Hs.602166	6.49	chr2	N/A	1	0.00
Hs.659967	6.49	chr11	N/A	1	0.00
Hs.130183	6.49	chr12	N/A	12	96.79
Hs.170044	6.49	chr3	N/A	10	49.55
Hs.130026	6.49	chr18	N/A	7	51.66
Hs.17932	6.49	chr2	N/A	10	31.91
Hs.50607	6.49	chr2	N/A	15	39.86
Hs.242211	6.49	chr4	N/A	3	35.48
Hs.569156	6.49	chr12	N/A	10	60.54
Hs.158961	6.49	chr13	N/A	3	22.91
Hs.602805	6.49	chr3	N/A	7	52.78
Hs.130061	6.48	chr8	N/A	7	69.91
Hs.544611	6.48	chr6	N/A	3	75.72
Hs.99333	6.48	chr3	N/A	7	38.13
Hs.561418	6.48	chr5	N/A	3	13.15
Hs.662075	6.48	chr18	N/A	1	0.00
Hs.132449	6.48	chr10	N/A	2	1.69
Hs.661540	6.48	chr18	N/A	15	38.07
Hs.636967	6.48	chr8	N/A	3	74.11
Hs.659957	6.48	chr7	N/A	1	0.00
Hs.544997	6.48	chr7	N/A	3	19.82
Hs.545622	6.48	chr9	N/A	1	0.00
Hs.658127	6.48	chr8	N/A	11	50.73
Hs.663002	6.48	chr3	N/A	1	0.00
Hs.617267	6.48	chr7	N/A	10	24.32
Hs.582437	6.48	chr5	N/A	3	87.64
CCDC172	6.48	chr10	10q25.3	14	55.04
LINC00706	6.48	chr10	N/A	3	53.93
Hs.603651	6.47	chr3	N/A	3	45.75
Hs.741677	6.47	chr12	N/A	7	37.10
LINC00628	6.47	chr1	1q32.1	5	27.14
Hs.569987	6.47	chr19	N/A	3	54.48
Hs.666118	6.47	chr15	N/A	7	42.97
LINC00685	6.47	chrX	Xp22.33; Yp11.3	1	0.00
Hs.156470	6.47	chr1	N/A	3	47.59
Hs.509152	6.47	chr5	N/A	3	60.98
FAM154B	6.47	chr15	15q25.2	17	109.51
Hs.524787	6.47	chr1	N/A	3	43.79
Hs.658666	6.47	chr13	N/A	7	59.77
NALCN-AS1	6.47	chr13	13q33.1	10	65.41
FLI1-AS1	6.47	chr11	N/A	16	52.58
CPO	6.47	chr2	2q33.3	17	33.06
Hs.129964	6.47	chr3	N/A	10	26.38
Hs.445721	6.47	chr2	N/A	8	27.91
Hs.603634	6.47	chr1	N/A	2	56.64
Hs.132540	6.46	chr3	N/A	10	51.68
LINC00461	6.46	chr5	5q14.3	12	20.03
Hs.623316	6.46	chr22	N/A	1	0.00
APOBEC3H	6.46	chr22	22q13.1	18	122.70
LOC100507535	6.46	chr19	N/A	1	0.00
Hs.666518	6.46	chr6	N/A	10	33.26
Hs.665636	6.46	chr15	N/A	7	40.73
Hs.542152	6.46	chr2	N/A	3	21.35
Hs.253422	6.46	chr2	N/A	1	0.00
Hs.703146	6.46	chr6	N/A	5	31.34
Hs.743666	6.46	chr20	N/A	7	36.69
GFRAL	6.46	chr6	6p12.1	26	82.37
Hs.563778	6.46	chr1	N/A	3	19.65
LOC100507258	6.46	chr8	N/A	5	44.07

NTF4	6.46	chr19	19q13.3	21	65.16
LOC400743	6.46	chr1	1p36.13	3	11.87
Hs.720401	6.45	chr22	N/A	7	46.81
Hs.664557	6.45	chr21	N/A	19	71.89
FAM170B-AS1	6.45	chr10	N/A	12	70.39
LOC100506557	6.45	chr7	N/A	11	109.24
Hs.162947	6.45	chr5	N/A	3	50.29
Hs.732928	6.45	chr19	N/A	3	40.35
Hs.544512	6.45	chr6	N/A	3	85.26
C16orf90	6.45	chr16	16p13.3	6	41.97
Hs.602530	6.45	chr13	N/A	7	53.19
Hs.657035	6.45	chr2	N/A	1	0.00
LOC100131023	6.45	chr11	11p12	3	41.12
Hs.147592	6.45	chr18	N/A	2	39.97
LRRC63	6.45	chr13	13q14.13	11	118.72
Hs.660336	6.45	chr5	N/A	6	55.40
Hs.458306	6.45	chr3	N/A	2	62.05
Hs.659599	6.45	chr19	N/A	8	33.12
Hs.375081	6.45	chr17	N/A	11	39.25
Hs.201220	6.44	chr11	N/A	4	22.22
Hs.521641	6.44	chr8	N/A	3	32.67
Hs.537133	6.44	chr1	N/A	3	44.24
Hs.481395	6.44	chr4	N/A	3	17.59
Hs.437163	6.44	chr4	N/A	3	10.38
Hs.578010	6.44	chr13	N/A	3	40.29
Hs.661676	6.44	chr2	N/A	1	0.00
Hs.665302	6.44	chr12	N/A	7	64.01
TAS2R3	6.44	chr7	7q31.3-q32	21	64.91
Hs.658313	6.44	chr9	N/A	1	0.00
Hs.534831	6.44	chr2	N/A	7	39.36
Hs.544502	6.44	chr6	N/A	3	97.12
LOC100507033	6.44	chr3	N/A	11	51.47
Hs.545420	6.44	chr8	N/A	5	21.60
Hs.636989	6.44	chr6	N/A	3	26.77
Hs.537802	6.44	chr1	N/A	3	41.23
Hs.596830	6.44	chr5	N/A	7	54.29
LHX5	6.44	chr12	12q24	21	97.46
Hs.145944	6.43	chr12	N/A	8	56.17
Hs.569211	6.43	chr12	N/A	11	51.75
CD300LD	6.43	chr17	17q25.1	10	178.05
Hs.126501	6.43	chr12	N/A	13	73.57
Hs.651323	6.43	chr5	N/A	7	57.90
Hs.649149	6.43	chr18	N/A	10	62.26
Hs.609761	6.43	chr1	N/A	1	0.00
MAGEB10	6.43	chrX	Xp21.3	16	64.71
ACTA2-AS1	6.43	chr10	10q23.31	11	95.12
Hs.625275	6.43	chr22	N/A	10	14.61
Hs.137025	6.43	chr3	N/A	3	51.65
Hs.655599	6.43	chr16	N/A	7	64.05
SAMD3	6.43	chr6	6q23.1	44	46.20
NFATC2	6.43	chr20	20q13.2	42	41.51
Hs.520561	6.43	chr6	N/A	3	47.00
Hs.586725	6.43	chr11	N/A	1	0.00
Hs.534767	6.43	chr12	N/A	3	37.96
Hs.544474	6.43	chr6	N/A	3	11.16
Hs.559738	6.43	chr1	N/A	7	63.72
Hs.543028	6.43	chr3	N/A	3	27.20
Hs.666142	6.43	chr19	N/A	1	0.00
Hs.645106	6.43	chr2	N/A	11	48.29
Hs.606212	6.43	chr7	N/A	1	0.00
Hs.577787	6.43	chr12	N/A	3	44.79
Hs.605441	6.42	chr4	N/A	3	51.02
Hs.657931	6.42	chr9	N/A	1	0.00
Hs.565183	6.42	chr18	N/A	3	21.48
Hs.270711	6.42	chr18	N/A	1	0.00
LOC100379224	6.42	chr19	19q13.2	1	0.00

Hs.569369	6.42	chr14	N/A	7	49.51
PCDHGA11	6.42	chr5	5q31	3	35.23
Hs.742046	6.42	chr7	N/A	8	21.72
Hs.669866	6.42	chr5	N/A	1	0.00
Hs.654853	6.42	chr13	N/A	14	105.87
Hs.664156	6.42	chr1	N/A	7	39.46
MUC19	6.42	chr12	12q12	35	151.29
Hs.130027	6.42	chr9	N/A	7	109.14
Hs.668417	6.42	chr6	N/A	8	50.50
Hs.540503	6.42	chr16	N/A	3	33.70
Hs.116238	6.42	chr4	N/A	7	37.95
Hs.659325	6.42	chr13	N/A	7	69.06
Hs.576446	6.42	chr1	N/A	7	41.82
Hs.434595	6.42	chr4	N/A	4	97.71
Hs.660976	6.42	chr10	N/A	1	0.00
Hs.514690	6.42	chr1	N/A	8	64.78
Hs.564018	6.42	chr10	N/A	3	52.11
Hs.545042	6.42	chr7	N/A	3	54.56
LOC100507580	6.42	chr22	N/A	1	0.00
Hs.570880	6.42	chr5	N/A	10	64.21
Hs.734519	6.42	chr5	N/A	1	0.00
Hs.745301	6.41	chr7	N/A	3	39.29
Hs.574959	6.41	chr3	N/A	3	28.86
Hs.128102	6.41	chr4	N/A	3	20.60
Hs.204960	6.41	chr1	N/A	3	56.84
Hs.565853	6.41	chr3	N/A	3	32.76
Hs.658944	6.41	chr15	N/A	17	84.47
Hs.660222	6.41	chr2	N/A	7	55.43
Hs.671358	6.41	chr12	N/A	11	43.45
Hs.606865	6.41	chr9	N/A	3	56.88
Hs.647993	6.41	chr4	N/A	8	62.81
Hs.117259	6.41	chr17	N/A	7	53.28
Hs.648968	6.41	chr6	N/A	10	82.07
Hs.575530	6.41	chr2	N/A	10	85.18
IFNK	6.41	chr9	N/A	21	104.21
FAM221B	6.41	chr9	9p13.3	18	73.84
Hs.666791	6.41	chr14	N/A	11	30.35
Hs.560097	6.41	chr12	N/A	7	33.30
C1orf65	6.41	chr1	1q41	20	54.89
Hs.570348	6.41	chr20	N/A	3	18.29
Hs.537664	6.41	chr1	N/A	7	35.23
Hs.662181	6.40	chr4	N/A	8	60.18
C10orf129	6.40	chr10	10q23.33	9	49.90
LOC100499489	6.40	chr10	10p12.2	2	5.52
LOC100506379	6.40	chr6	N/A	17	50.42
Hs.542713	6.40	chr22	N/A	5	42.67
Hs.537285	6.40	chr17	N/A	7	58.24
Hs.579204	6.40	chr17	N/A	3	16.27
Hs.721038	6.40	chr21	N/A	6	68.88
TRBV24-1	6.40	chr7	7q34	1	0.00
Hs.123456	6.40	chr2	N/A	3	35.36
Hs.627617	6.40	chr5	N/A	3	28.79
Hs.545777	6.40	chr9	N/A	3	56.27
Hs.624275	6.40	chr4	N/A	3	6.55
Hs.618583	6.40	chr11	N/A	3	12.77
Hs.655851	6.40	chr6	N/A	7	75.35
Hs.707654	6.40	chr2	N/A	2	37.39
DMBX1	6.40	chr1	1p33	17	31.95
Hs.65964	6.39	chr2	N/A	3	35.40
Hs.26580	6.39	chr5	N/A	10	76.72
Hs.507621	6.39	chr13	N/A	2	15.85
Hs.133361	6.39	chr17	N/A	10	64.44
Hs.653146	6.39	chr19	N/A	1	0.00
Hs.566138	6.39	chr4	N/A	3	24.08
Hs.102728	6.39	chr11	N/A	7	71.30
Hs.656223	6.39	chr12	N/A	11	39.21

Hs.635103	6.39	chr11	N/A	2	52.14
Hs.649280	6.39	chr9	N/A	5	61.41
Hs.732715	6.39	chr6	N/A	1	0.00
Hs.542608	6.39	chr21	N/A	3	32.17
PAGE2	6.39	chrX	Xp11.21	16	72.23
Hs.544181	6.39	chr5	N/A	3	51.15
Hs.428272	6.39	chr1	N/A	3	64.82
Hs.602171	6.39	chr16	N/A	3	85.90
Hs.660894	6.39	chr2	N/A	1	0.00
Hs.128846	6.38	chr20	N/A	7	56.40
Hs.602499	6.38	chr5	N/A	3	28.03
Hs.539068	6.38	chr11	N/A	3	37.92
Hs.606630	6.38	chr10	N/A	1	0.00
Hs.687529	6.38	chr7	N/A	2	11.78
Hs.720493	6.38	chr3	N/A	3	27.92
GDNF-AS1	6.38	chr5	5p13.2	7	43.11
Hs.659849	6.38	chr5	N/A	2	40.92
ACOXL	6.38	chr2	2q13	36	96.13
Hs.560810	6.38	chr2	N/A	3	65.13
Hs.622770	6.38	chr1	N/A	1	0.00
NKX2-6	6.38	chr8	8p21.2	3	40.75
LOC100132207	6.38	chr3	3q21.3	1	0.00
Hs.129546	6.38	chr17	N/A	3	82.85
Hs.667772	6.38	chr3	N/A	2	9.57
Hs.636076	6.38	chr8	N/A	1	0.00
Hs.558671	6.37	chr14	N/A	2	53.43
Hs.668164	6.37	chr17	N/A	2	55.40
Hs.677537	6.37	chr2	N/A	3	39.10
Hs.566874	6.37	chr8	N/A	3	20.95
Hs.567617	6.37	chr3	N/A	7	28.23
Hs.133046	6.37	chr1	N/A	11	48.48
Hs.565027	6.37	chr17	N/A	3	17.03
LOXL1-AS1	6.37	chr15	15q24.1	11	47.41
LOC100505478	6.37	chr9	9q32	1	0.00
Hs.518134	6.37	chr3	N/A	3	34.18
Hs.638784	6.37	chrX	N/A	3	26.90
Hs.213148	6.37	chr3	N/A	3	41.63
UBE2E2-AS1	6.37	chr3	N/A	8	52.03
Hs.441066	6.37	chr7	N/A	3	22.01
Hs.379235	6.37	chr4	N/A	3	43.26
Hs.287827	6.37	chr7	N/A	1	0.00
Hs.603313	6.37	chr1	N/A	2	11.38
Hs.566933	6.37	chr5	N/A	4	33.27
Hs.541286	6.37	chr19	N/A	3	45.29
Hs.597558	6.37	chr7	N/A	7	69.24
Hs.648001	6.37	chr4	N/A	3	56.98
Hs.540455	6.37	chr16	N/A	3	27.95
Hs.149022	6.37	chr4	N/A	5	73.88
Hs.583037	6.37	chr6	N/A	3	41.56
SFTA3	6.37	chr14	14q13.3	21	53.03
Hs.134164	6.37	chrX	N/A	3	48.62
Hs.646898	6.37	chr4	N/A	1	0.00
Hs.666323	6.36	chr7	N/A	15	47.01
Hs.633084	6.36	chr15	N/A	1	0.00
Hs.15792	6.36	chr1	N/A	7	59.98
Hs.133419	6.36	chr6	N/A	2	23.45
Hs.658503	6.36	chr17	N/A	7	125.19
Hs.543775	6.36	chr5	N/A	3	19.42
Hs.591168	6.36	chr17	N/A	1	0.00
Hs.660417	6.36	chr8	N/A	7	33.76
Hs.595909	6.36	chr2	N/A	3	39.28
Hs.666460	6.36	chr11	N/A	7	50.46
Hs.129504	6.36	chr12	N/A	7	69.27
Hs.546225	6.36	chrY	N/A	3	23.69
Hs.666855	6.36	chrX	N/A	14	63.41
Hs.245751	6.36	chr8	N/A	3	37.04

LOC100132249	6.36	chr9	9q13	2	55.97
LINC00710	6.36	chr10	10p14	8	22.78
Hs.371013	6.36	chr19	N/A	7	44.77
Hs.46762	6.36	chr20	N/A	3	41.47
Hs.116153	6.36	chr18	N/A	11	55.63
Hs.564566	6.36	chr13	N/A	3	32.76
Hs.670080	6.36	chr6	N/A	1	0.00
Hs.635217	6.36	chr2	N/A	1	0.00
Hs.657417	6.36	chr1	N/A	1	0.00
OR2A12	6.36	chr7	7q35	6	38.99
Hs.666140	6.35	chr8	N/A	7	54.86
Hs.733969	6.35	chr12	N/A	14	100.96
Hs.665545	6.35	chr6	N/A	1	0.00
ACSM2A	6.35	chr16	16p12.3	22	99.52
LOC339874	6.35	chr3	3q22.1	2	36.72
Hs.27908	6.35	chr8	N/A	1	0.00
Hs.662447	6.35	chr6	N/A	7	96.33
Hs.549958	6.35	chr2	N/A	3	8.39
Hs.658420	6.35	chr6	N/A	11	163.15
Hs.601033	6.35	chr1	N/A	5	37.62
RTP3	6.35	chr3	3p21.3	20	78.46
Hs.520375	6.35	chr1	N/A	10	46.64
Hs.603298	6.35	chr2	N/A	2	35.95
Hs.666361	6.35	chr2	N/A	1	0.00
RAB39A	6.35	chr11	11q22.3	19	66.54
Hs.736160	6.35	chr7	N/A	1	0.00
Hs.667394	6.35	chr11	N/A	2	65.52
Hs.507924	6.35	chr4	N/A	12	177.42
Hs.656735	6.35	chr8	N/A	1	0.00
Hs.127736	6.35	chr1	N/A	7	65.11
LOC400655	6.35	chr18	18q22.3	12	164.61
Hs.250029	6.35	chr12	N/A	18	118.27
Hs.129417	6.35	chr3	N/A	11	93.61
Hs.577981	6.35	chr13	N/A	3	64.52
Hs.532159	6.34	chr1	N/A	7	51.81
Hs.659126	6.34	chr7	N/A	7	71.48
UBAC2-AS1	6.34	chr13	13q32.3	2	41.98
Hs.562325	6.34	chr11	N/A	3	77.39
Hs.561108	6.34	chr3	N/A	10	52.60
NDFIP2-AS1	6.34	chr13	N/A	2	31.77
COX7B2	6.34	chr4	4p12	19	83.83
Hs.732445	6.34	chr5	N/A	1	0.00
Hs.512292	6.34	chr16	N/A	5	75.45
Hs.372303	6.34	chr16	N/A	11	24.66
Hs.639369	6.34	chr1	N/A	1	0.00
Hs.551335	6.34	chr14	N/A	3	19.14
Hs.661258	6.34	chr7	N/A	8	48.01
C19orf45	6.34	chr19	19p13.2	5	44.47
Hs.668953	6.34	chr10	N/A	1	0.00
Hs.667528	6.34	chr2	N/A	2	36.04
Hs.658258	6.34	chr5	N/A	7	61.76
Hs.119900	6.34	chr7	N/A	10	57.45
Hs.660071	6.34	chr17	N/A	5	18.08
Hs.664424	6.34	chr11	N/A	19	38.29
Hs.657669	6.34	chr9	N/A	9	69.94
Hs.658518	6.34	chr7	N/A	1	0.00
LOC100506380	6.34	chr7	N/A	8	45.46
Hs.583678	6.34	chr8	N/A	3	33.24
Hs.565461	6.34	chr2	N/A	3	44.07
Hs.241586	6.34	chr6	N/A	7	26.12
Hs.365163	6.34	chr8	N/A	3	44.69
Hs.545366	6.33	chr8	N/A	10	63.67
Hs.540096	6.33	chr14	N/A	3	80.85
EML6	6.33	chr2	2p16.1	12	110.27
Hs.666672	6.33	chr8	N/A	8	73.67
Hs.158785	6.33	chr10	N/A	3	3.14

Hs.572321	6.33	chr15	N/A	1	0.00
Hs.112791	6.33	chr19	N/A	11	63.07
Hs.735508	6.33	chr2	N/A	3	10.28
C6orf118	6.33	chr6	6q27	27	86.06
Hs.602369	6.33	chr16	N/A	2	3.17
Hs.721304	6.33	chr17	N/A	7	61.23
LOC154092	6.33	chr6	6q23.2	8	68.15
LOC285419	6.33	chr4	4q28.1	8	70.20
LOC729121	6.33	chr2	2q12.3	11	109.39
Hs.666098	6.33	chr1	N/A	7	37.00
LOC100506538	6.33	chr8	N/A	11	31.26
Hs.649266	6.33	chr16	N/A	3	16.37
Hs.667383	6.33	chr15	N/A	7	53.99
Hs.564781	6.33	chr15	N/A	3	12.79
Hs.543920	6.33	chr5	N/A	3	32.36
OR10Q1	6.33	chr11	11q12.1	3	41.95
LOC339975	6.33	chr4	4q35.2	1	0.00
Hs.637665	6.32	chr20	N/A	4	35.09
Hs.566871	6.32	chr8	N/A	3	75.30
Hs.582510	6.32	chr5	N/A	3	57.41
Hs.599407	6.32	chr8	N/A	7	59.03
Hs.660957	6.32	chr19	N/A	8	21.66
Hs.667298	6.32	chr10	N/A	7	41.50
Hs.130176	6.32	chr3	N/A	7	37.48
Hs.130163	6.32	chr3	N/A	7	72.62
Hs.143077	6.32	chr10	N/A	10	53.77
Hs.731011	6.32	chr8	N/A	1	0.00
Hs.576768	6.32	chr10	N/A	3	36.41
Hs.665793	6.32	chr7	N/A	7	56.46
Hs.666363	6.32	chr11	N/A	2	21.55
Hs.554818	6.32	chr21	N/A	7	71.80
Hs.648484	6.32	chr14	N/A	7	57.61
CPA6	6.32	chr8	8q13.2	42	121.88
CNBD1	6.32	chr8	8q21.3	18	71.92
Hs.130978	6.32	chr6	N/A	7	27.13
Hs.604795	6.32	chr2	N/A	7	70.75
Hs.560054	6.32	chr12	N/A	7	50.44
Hs.580441	6.31	chr2	N/A	3	21.04
LOC100127940	6.31	chr7	7p22.3	4	12.76
PRDM12	6.31	chr9	9q33-q34	23	67.98
Hs.538212	6.31	chr1	N/A	3	41.85
Hs.667134	6.31	chr16	N/A	7	64.00
Hs.599648	6.31	chr2	N/A	3	32.15
Hs.583510	6.31	chr7	N/A	3	41.32
Hs.668362	6.31	chr12	N/A	7	30.68
LOC387939	6.31	chr13	13q31.1	3	56.37
Hs.574994	6.31	chr3	N/A	2	77.11
Hs.687862	6.31	chr1	N/A	1	0.00
Hs.664097	6.31	chr18	N/A	15	56.56
FOXD4L3	6.31	chr9	9q21.11	6	59.79
Hs.603236	6.31	chr3	N/A	5	32.97
Hs.571524	6.31	chr8	N/A	3	27.12
Hs.564047	6.31	chr10	N/A	3	8.95
Hs.548176	6.30	chrX	N/A	3	9.50
Hs.135562	6.30	chrX	N/A	14	32.69
Hs.658859	6.30	chr18	N/A	15	60.64
Hs.542037	6.30	chr2	N/A	3	19.37
Hs.193132	6.30	chr14	N/A	7	38.98
C3orf49	6.30	chr3	3p14.1	14	107.92
Hs.411848	6.30	chr8	N/A	8	49.34
Hs.199685	6.30	chr4	N/A	7	44.10
Hs.636222	6.30	chrX	N/A	2	12.32
LOC100996623	6.30	chr4	N/A	2	47.16
Hs.559989	6.30	chr11	N/A	10	47.27
Hs.666012	6.30	chr9	N/A	7	53.83
Hs.622315	6.30	chr6	N/A	3	29.24

SSPO	6.30	chr7	7q36.1	18	43.95
Hs.565432	6.30	chr2	N/A	2	36.05
Hs.566289	6.30	chr5	N/A	3	24.19
Hs.543014	6.30	chr3	N/A	3	23.56
Hs.735750	6.30	chr3	N/A	3	29.38
Hs.659657	6.30	chr6	N/A	2	42.45
ICOS	6.30	chr2	2q33	30	55.09
SPANXN3	6.30	chrX	Xq27.3	13	157.25
Hs.544395	6.30	chr6	N/A	3	8.02
Hs.555525	6.30	chr15	N/A	3	39.77
Hs.404259	6.29	chr1	N/A	3	25.37
Hs.434726	6.29	chr17	N/A	1	0.00
Hs.316997	6.29	chr12	N/A	8	42.90
Hs.594671	6.29	chr5	N/A	8	73.77
Hs.639513	6.29	chr11	N/A	1	0.00
Hs.721010	6.29	chrX	N/A	3	63.85
Hs.540228	6.29	chr15	N/A	3	21.04
IPMK	6.29	chr10	10q21.1	21	81.24
Hs.128308	6.29	chr4	N/A	7	72.50
Hs.502306	6.29	chr11	N/A	1	0.00
Hs.540079	6.29	chr14	N/A	3	20.23
Hs.655137	6.29	chr19	N/A	3	36.01
Hs.121116	6.29	chr11	N/A	5	34.70
Hs.538340	6.29	chr10	N/A	3	12.45
Hs.603545	6.29	chr6	N/A	4	33.44
Hs.224503	6.29	chr4	N/A	3	24.20
Hs.301715	6.29	chr2	N/A	26	62.86
Hs.583365	6.29	chr7	N/A	3	69.40
Hs.129564	6.29	chr18	N/A	7	47.48
Hs.652560	6.29	chr1	N/A	4	50.14
Hs.634971	6.28	chr4	N/A	1	0.00
Hs.667112	6.28	chr6	N/A	8	67.91
FAM9A	6.28	chrX	Xp22.32	17	86.84
Hs.105830	6.28	chr11	N/A	7	37.53
Hs.583148	6.28	chr7	N/A	7	33.23
UNQ6975	6.28	chr2	2p21	21	111.24
Hs.672118	6.28	chr15	N/A	1	0.00
Hs.727332	6.28	chr7	N/A	10	32.33
Hs.519941	6.28	chr6	N/A	3	70.68
Hs.566000	6.28	chr4	N/A	3	16.26
Hs.604062	6.28	chr20	N/A	2	47.69
TSHR	6.28	chr14	14q31	69	71.07
Hs.666458	6.28	chr1	N/A	7	72.63
Hs.563131	6.28	chr3	N/A	3	12.82
Hs.541851	6.28	chr2	N/A	3	48.07
Hs.604014	6.28	chr19	N/A	2	1.65
Hs.592320	6.28	chr14	N/A	3	22.30
Hs.604431	6.28	chr13	N/A	7	38.96
Hs.653984	6.28	chr13	N/A	3	37.54
Hs.147562	6.28	chr16	N/A	7	40.99
Hs.126115	6.28	chr15	N/A	7	42.49
Hs.372193	6.27	chr4	N/A	3	42.07
Hs.565166	6.27	chr18	N/A	3	34.51
Hs.635059	6.27	chr19	N/A	7	33.81
Hs.665436	6.27	chr6	N/A	8	56.82
Hs.550205	6.27	chr7	N/A	3	12.22
Hs.436532	6.27	chr19	N/A	4	20.85
Hs.582066	6.27	chr4	N/A	3	27.11
PRKG1-AS1	6.27	chr10	N/A	1	0.00
Hs.596629	6.27	chr13	N/A	1	0.00
Hs.543007	6.27	chr3	N/A	3	35.84
Hs.256740	6.27	chr17	N/A	3	38.59
Hs.684106	6.27	chrX	N/A	1	0.00
CDHR4	6.27	chr3	3p21.31	13	34.83
Hs.636964	6.27	chr4	N/A	7	97.27
Hs.213134	6.27	chr13	N/A	3	26.41

Hs.569208	6.27	chr12	N/A	2	22.92
Hs.737624	6.27	chr8	N/A	3	35.83
Hs.364739	6.27	chr16	N/A	1	0.00
Hs.566594	6.27	chr6	N/A	3	13.77
Hs.434347	6.26	chr1	N/A	1	0.00
Hs.560775	6.26	chr2	N/A	3	41.49
Hs.667487	6.26	chr2	N/A	7	84.80
Hs.596920	6.26	chr4	N/A	3	79.57
FLJ37035	6.26	chr10	10q26.13	36	148.82
Hs.462808	6.26	chr17	N/A	3	14.91
Hs.625012	6.26	chr14	N/A	1	0.00
Hs.544700	6.26	chr6	N/A	3	40.50
RBM46	6.26	chr4	4q32.1	32	82.36
Hs.545012	6.26	chr7	N/A	3	48.43
Hs.603497	6.26	chr11	N/A	7	49.93
Hs.176518	6.26	chr6	N/A	3	82.97
TRPC5	6.26	chrX	Xq23	28	81.00
LOC284661	6.26	chr1	1p36.32	2	10.46
FEZF2	6.26	chr3	3p14.2	23	58.92
Hs.601553	6.26	chr3	N/A	7	42.70
Hs.659620	6.26	chr1	N/A	7	71.11
Hs.159745	6.26	chr5	N/A	3	50.76
Hs.652659	6.26	chrX	N/A	2	15.51
Hs.715945	6.26	chr2	N/A	2	41.02
Hs.130306	6.26	chr18	N/A	14	99.09
Hs.569540	6.26	chr16	N/A	3	30.62
Hs.603008	6.26	chr2	N/A	11	25.89
RNF222	6.26	chr17	17p13.1	3	34.64
Hs.131049	6.26	chr6	N/A	10	38.09
NOX3	6.26	chr6	6q25.3	21	76.66
Hs.635042	6.26	chr17	N/A	7	52.11
Hs.666688	6.26	chr17	N/A	1	0.00
Hs.461867	6.25	chr10	N/A	10	59.41
Hs.613578	6.25	chr15	N/A	3	21.57
Hs.729234	6.25	chr5	N/A	7	32.57
LOC100128517	6.25	chr6	6p23	7	31.77
Hs.150083	6.25	chr17	N/A	7	53.47
Hs.734144	6.25	chr22	N/A	7	59.93
LINC00842	6.25	chr10	10q11.22	18	63.29
Hs.537614	6.25	chr1	N/A	3	63.03
Hs.596796	6.25	chr1	N/A	7	37.60
Hs.650184	6.25	chr7	N/A	3	20.10
Hs.663138	6.25	chr14	N/A	2	82.14
Hs.583440	6.25	chr7	N/A	3	18.76
Hs.579533	6.25	chr18	N/A	3	45.65
Hs.602234	6.25	chr11	N/A	7	45.93
Hs.745229	6.25	chr18	N/A	7	49.39
Hs.649304	6.25	chr18	N/A	2	9.14
Hs.543671	6.25	chr4	N/A	3	7.04
Hs.245738	6.25	chr12	N/A	3	41.00
Hs.603879	6.25	chr3	N/A	2	3.91
Hs.553144	6.25	chr7	N/A	3	71.20
Hs.661118	6.25	chr13	N/A	2	40.94
Hs.145256	6.25	chr5	N/A	2	98.86
Hs.131620	6.25	chr3	N/A	2	11.90
Hs.355450	6.25	chr12	N/A	3	59.59
ADGB	6.24	chr6	6q24.3	18	75.92
Hs.551300	6.24	chr11	N/A	3	37.81
Hs.735963	6.24	chr1	N/A	4	28.84
Hs.544068	6.24	chr5	N/A	3	53.37
LOC100130476	6.24	chr6	6q23.3	20	65.70
LOC100506226	6.24	chr12	N/A	8	53.00
Hs.662859	6.24	chr9	N/A	7	63.97
C3orf65	6.24	chr3	3q27.2	10	53.24
Hs.633306	6.24	chr4	N/A	3	57.11
Hs.132920	6.24	chr2	N/A	4	43.23

Hs.656779	6.24	chr6	N/A	1	0.00
LOC100507419	6.24	chr16	N/A	12	104.54
Hs.171204	6.24	chr9	N/A	3	51.41
LOC100505636	6.24	chr5	N/A	2	25.63
Hs.603319	6.24	chr1	N/A	8	68.68
Hs.733100	6.24	chr2	N/A	1	0.00
Hs.543479	6.24	chr4	N/A	3	47.78
Hs.587427	6.24	chr7	N/A	5	46.34
Hs.436053	6.24	chr7	N/A	14	105.28
OR51A4	6.23	chr11	11p15.4	6	60.78
OR5T3	6.23	chr11	11q12.1	5	22.81
Hs.542997	6.23	chr3	N/A	2	9.22
Hs.659723	6.23	chr16	N/A	7	69.38
Hs.443715	6.23	chr16	N/A	7	72.79
LOC100188947	6.23	chr10	10q23.32	1	0.00
Hs.545372	6.23	chr8	N/A	3	46.65
Hs.571574	6.23	chr9	N/A	10	51.10
Hs.537593	6.23	chr1	N/A	3	25.50
Hs.740635	6.23	chr5	N/A	1	0.00
RNU2-1	6.23	chr17	17q12	3	86.90
Hs.656475	6.23	chr11	N/A	4	49.70
Hs.666724	6.23	chr11	N/A	2	26.65
Hs.551118	6.23	chr8	N/A	3	50.55
Hs.212460	6.23	chr7	N/A	18	63.24
Hs.129410	6.23	chr4	N/A	10	50.80
Hs.738303	6.23	chr2	N/A	3	46.04
Hs.146536	6.23	chr21	N/A	7	35.16
Hs.669256	6.23	chr13	N/A	1	0.00
Hs.569495	6.23	chr15	N/A	3	44.60
LOC646730	6.23	chr3	3q23	3	25.90
Hs.665280	6.23	chr6	N/A	7	77.92
Hs.539945	6.23	chr14	N/A	3	37.63
Hs.667697	6.23	chr16	N/A	2	11.88
Hs.580550	6.23	chr2	N/A	5	36.51
Hs.580517	6.23	chr2	N/A	3	71.52
TM4SF19	6.23	chr3	3q29	22	40.58
Hs.667046	6.22	chr11	N/A	7	40.33
LOC100996425	6.22	chr16	N/A	18	65.76
Hs.670425	6.22	chr7	N/A	7	75.11
Hs.521575	6.22	chr8	N/A	5	66.63
Hs.112745	6.22	chr13	N/A	3	38.49
Hs.677105	6.22	chr3	N/A	11	36.10
NRG1-IT3	6.22	chr8	N/A	2	3.86
Hs.655748	6.22	chr8	N/A	8	40.83
Hs.697295	6.22	chr5	N/A	7	32.22
Hs.552917	6.22	chr12	N/A	8	65.57
ZNF503-AS1	6.22	chr10	10q22.2	32	44.95
Hs.536958	6.22	chr9	N/A	11	89.17
Hs.97779	6.22	chr4	N/A	10	54.16
Hs.745391	6.22	chr7	N/A	1	0.00
Hs.567135	6.22	chrX	N/A	3	90.60
Hs.662352	6.22	chr9	N/A	7	50.51
LOC100131131	6.22	chr2	2q12.1	10	29.95
Hs.713885	6.22	chr1	N/A	10	17.39
OC90	6.22	chr8	8q24.22	3	26.65
Hs.588813	6.22	chr10	N/A	1	0.00
Hs.668220	6.21	chr13	N/A	2	30.57
Hs.571241	6.21	chr7	N/A	3	7.84
Hs.551648	6.21	chr10	N/A	1	0.00
Hs.131603	6.21	chr7	N/A	7	21.27
Hs.98450	6.21	chr7	N/A	4	131.87
Hs.552263	6.21	chr4	N/A	3	32.68
Hs.374255	6.21	chr11	N/A	10	58.37
Hs.128122	6.21	chr19	N/A	3	43.40
Hs.444809	6.21	chr11	N/A	8	57.86
Hs.577827	6.21	chr13	N/A	3	65.08

LOC100507388	6.21	chr4	N/A	13	90.67
Hs.634228	6.21	chr2	N/A	7	34.89
Hs.639694	6.21	chrX	N/A	10	24.32
LOC100169752	6.21	chr10	10q	18	76.49
Hs.657721	6.21	chr7	N/A	1	0.00
Hs.656861	6.21	chr9	N/A	7	53.09
Hs.544382	6.21	chr6	N/A	3	48.22
Hs.147719	6.21	chr4	N/A	2	69.26
Hs.539843	6.21	chr14	N/A	3	28.72
Hs.659652	6.21	chr2	N/A	2	39.82
LOC100506328	6.20	chr2	2q12.1	11	64.11
LOC285540	6.20	chr4	4p15.31	8	49.70
Hs.533127	6.20	chr14	N/A	3	18.84
HSFY2	6.20	chrY	Yq11.222	35	74.33
Hs.544594	6.20	chr6	N/A	3	50.06
Hs.658287	6.20	chr10	N/A	10	80.62
Hs.664758	6.20	chr9	N/A	7	49.17
PDCL2	6.20	chr4	4q12	19	59.76
Hs.561148	6.20	chr3	N/A	10	36.56
Hs.444226	6.20	chr8	N/A	3	73.09
Hs.735927	6.20	chr11	N/A	3	21.16
TTY7	6.20	chrY	Yp11.2	30	71.47
CASP12	6.20	chr11	11q22.3	23	57.96
Hs.665265	6.20	chr17	N/A	7	35.60
Hs.435043	6.19	chrX	N/A	3	43.19
Hs.543121	6.19	chr3	N/A	3	13.89
Hs.418134	6.19	chr20	N/A	3	8.50
PDZD9	6.19	chr16	16p12.2	26	91.58
Hs.666900	6.19	chr19	N/A	7	81.63
Hs.146665	6.19	chr1	N/A	10	31.80
Hs.692635	6.19	chr1	N/A	2	46.90
Hs.85968	6.19	chr22	N/A	3	58.22
Hs.445065	6.19	chr20	N/A	4	20.14
Hs.667568	6.19	chr9	N/A	1	0.00
Hs.147726	6.19	chr4	N/A	5	59.37
Hs.579968	6.19	chr2	N/A	3	9.29
Hs.571468	6.19	chr8	N/A	11	156.94
Hs.104807	6.19	chr9	N/A	3	21.58
Hs.603238	6.19	chr15	N/A	2	65.00
CCDC148-AS1	6.19	chr2	2q24.1	11	166.50
Hs.603378	6.18	chr14	N/A	2	26.67
LOC100288123	6.18	chr19	19p13.3	1	0.00
Hs.566917	6.18	chr8	N/A	3	22.68
LINC00326	6.18	chr6	6q23.2	1	0.00
Hs.576427	6.18	chr1	N/A	3	12.94
Hs.659996	6.18	chr15	N/A	7	33.74
Hs.649997	6.18	chr14	N/A	1	0.00
Hs.573267	6.18	chr6	N/A	3	24.83
Hs.565967	6.18	chr3	N/A	3	42.86
Hs.624277	6.18	chr14	N/A	3	17.18
PRR23B	6.18	chr3	3q23	3	26.39
Hs.515337	6.18	chr19	N/A	1	0.00
Hs.663120	6.18	chr19	N/A	2	10.94
Hs.713116	6.18	chr13	N/A	1	0.00
Hs.593858	6.18	chr10	N/A	1	0.00
Hs.598843	6.18	chr12	N/A	1	0.00
Hs.607927	6.18	chr3	N/A	1	0.00
Hs.517135	6.18	chr20	N/A	7	64.05
Hs.634502	6.18	chr1	N/A	3	27.87
LOC100132005	6.18	chr6	6p21.2	11	26.91
Hs.664628	6.18	chr17	N/A	8	30.63
Hs.545467	6.18	chr8	N/A	3	70.18
Hs.36300	6.18	chr1	N/A	8	47.79
Hs.527315	6.17	chr7	N/A	3	48.72
Hs.551798	6.17	chr8	N/A	3	26.69
Hs.542924	6.17	chr3	N/A	3	18.01

Hs.663298	6.17	chr8	N/A	1	0.00
Hs.587669	6.17	chr11	N/A	2	12.58
Hs.563011	6.17	chr20	N/A	3	73.24
Hs.575601	6.17	chr8	N/A	7	59.36
Hs.170681	6.17	chr7	N/A	2	36.25
TTY4C	6.17	chrY	Yq11.223	13	42.20
Hs.662260	6.17	chr1	N/A	8	116.27
FGF22	6.17	chr19	19p13.3	32	72.05
LOC100507353	6.17	chr19	N/A	9	53.05
Hs.540875	6.17	chr17	N/A	7	41.66
Hs.565872	6.17	chr3	N/A	3	38.86
Hs.552078	6.17	chr4	N/A	3	36.47
Hs.664343	6.17	chr8	N/A	14	64.96
Hs.120837	6.17	chr20	N/A	10	46.99
Hs.545479	6.17	chr8	N/A	3	47.20
LINC00254	6.17	chr16	16p13.3	3	35.30
Hs.204927	6.17	chr8	N/A	3	30.74
ST7-OT4	6.17	chr7	7q31.2	13	65.27
Hs.618444	6.17	chr10	N/A	10	20.89
Hs.531610	6.17	chr6	N/A	2	56.28
Hs.697238	6.16	chr18	N/A	7	78.40
Hs.661402	6.16	chr3	N/A	15	95.30
Hs.171022	6.16	chr4	N/A	3	26.49
Hs.249545	6.16	chr15	N/A	3	80.35
Hs.615971	6.16	chr11	N/A	10	73.35
Hs.263832	6.16	chr3	N/A	4	29.56
Hs.647686	6.16	chr1	N/A	6	47.80
Hs.147194	6.16	chr6	N/A	7	71.86
CBY3	6.16	chr5	5q35.3	5	61.77
LOC100506302	6.16	chr7	N/A	18	40.80
Hs.668321	6.15	chr13	N/A	1	0.00
Hs.667215	6.15	chr17	N/A	3	62.61
LOC100505997	6.15	chr12	N/A	1	0.00
Hs.670388	6.15	chr6	N/A	3	82.27
IQCJ	6.15	chr3	3q25.32	2	6.09
Hs.147755	6.15	chr1	N/A	5	64.21
Hs.664182	6.15	chr1	N/A	8	69.97
Hs.648268	6.15	chr22	N/A	1	0.00
Hs.397793	6.15	chr18	N/A	3	71.58
MGC2889	6.15	chr3	3q29	15	78.42
Hs.505028	6.15	chr21	N/A	3	47.75
SYNPR-AS1	6.15	chr3	N/A	15	81.27
LOC100653005	6.15	chr6	N/A	2	6.23
ARRDC5	6.15	chr19	19p13.3	12	38.46
Hs.661226	6.15	chr4	N/A	3	87.12
Hs.599779	6.15	chr8	N/A	3	35.64
Hs.677098	6.15	chr1	N/A	1	0.00
Hs.553106	6.15	chr5	N/A	3	50.36
Hs.213434	6.15	chr18	N/A	3	35.56
Hs.122054	6.14	chr18	N/A	6	42.50
Hs.543212	6.14	chr3	N/A	10	43.77
BTBD18	6.14	chr11	11q12.1	15	54.42
Hs.564960	6.14	chr16	N/A	3	33.81
Hs.611633	6.14	chr5	N/A	3	42.00
Hs.567124	6.14	chrX	N/A	3	25.14
Hs.128446	6.14	chr5	N/A	3	71.96
Hs.602869	6.14	chr9	N/A	3	36.18
LOC440896	6.14	chr9	9q21.11	6	35.09
Hs.604076	6.14	chr9	N/A	2	0.56
Hs.564286	6.14	chr11	N/A	3	44.54
Hs.677363	6.14	chr4	N/A	11	22.21
Hs.134683	6.14	chr3	N/A	1	0.00
Hs.97791	6.14	chr17	N/A	7	30.47
Hs.502355	6.13	chr19	N/A	7	27.07
Hs.544493	6.13	chr6	N/A	3	19.51
Hs.559317	6.13	chr2	N/A	7	75.97

Hs.576777	6.13	chr10	N/A	3	15.08
Hs.300217	6.13	chr8	N/A	3	21.32
Hs.552544	6.13	chr3	N/A	3	26.25
Hs.598067	6.13	chr16	N/A	10	23.74
Hs.562063	6.13	chrX	N/A	2	35.73
Hs.559910	6.13	chr11	N/A	3	61.95
Hs.656706	6.13	chrX	N/A	7	57.45
Hs.566518	6.13	chr6	N/A	3	36.19
Hs.601152	6.13	chr7	N/A	7	67.73
OR52J3	6.13	chr11	11p15.4	8	42.23
Hs.583341	6.13	chr7	N/A	3	46.30
DMRT1	6.13	chr9	9p24.3	28	55.18
Hs.652432	6.13	chr11	N/A	7	54.26
Hs.145251	6.13	chr14	N/A	2	63.97
Hs.666176	6.13	chr21	N/A	8	44.88
Hs.703454	6.13	chr19	N/A	10	45.15
Hs.722882	6.13	chr3	N/A	3	69.80
Hs.662518	6.13	chr5	N/A	7	52.23
UG0898H09	6.13	chr8	8q12.3	22	61.39
Hs.131463	6.12	chr6	N/A	3	45.88
Hs.542666	6.12	chr22	N/A	3	38.95
Hs.610976	6.12	chr11	N/A	5	23.29
SLC5A7	6.12	chr2	2q12	22	75.16
Hs.147506	6.12	chr8	N/A	7	42.70
Hs.192729	6.12	chr8	N/A	11	64.45
MORN5	6.12	chr9	9q33.2	26	87.63
Hs.130154	6.12	chr2	N/A	2	9.04
Hs.669171	6.12	chr6	N/A	1	0.00
Hs.57870	6.12	chr3	N/A	10	41.22
Hs.620217	6.12	chr15	N/A	3	47.26
Hs.677166	6.12	chr1	N/A	1	0.00
Hs.601131	6.12	chr1	N/A	7	27.08
Hs.669234	6.12	chr4	N/A	3	30.69
NLRP6	6.11	chr11	11p15	19	127.99
Hs.666055	6.11	chr1	N/A	7	35.30
Hs.544714	6.11	chr6	N/A	3	50.01
Hs.582092	6.11	chr4	N/A	3	33.32
Hs.537858	6.11	chr1	N/A	2	3.93
Hs.550187	6.11	chr4	N/A	4	62.49
Hs.649323	6.11	chr7	N/A	7	52.26
Hs.668230	6.11	chr3	N/A	7	56.47
Hs.444049	6.11	chr10	N/A	7	55.49
Hs.663795	6.11	chr3	N/A	1	0.00
Hs.634955	6.11	chr12	N/A	1	0.00
Hs.602934	6.11	chr8	N/A	7	72.08
WFDC13	6.11	chr20	20q13.12	17	38.87
Hs.170960	6.11	chr6	N/A	3	27.87
Hs.542857	6.10	chr3	N/A	3	10.14
Hs.734108	6.10	chr9	N/A	1	0.00
LOC441239	6.10	chr7	7q11.21	6	51.92
Hs.600927	6.10	chr8	N/A	7	58.86
Hs.641920	6.10	chr2	N/A	3	18.12
LOC100506317	6.10	chr2	N/A	15	41.65
Hs.149578	6.10	chr18	N/A	3	30.73
SCUBE1	6.10	chr22	22q13	17	77.31
Hs.151880	6.10	chr7	N/A	1	0.00
Hs.437005	6.10	chr9	N/A	3	34.85
Hs.133257	6.10	chr3	N/A	4	40.48
Hs.19603	6.10	chrX	N/A	15	38.80
Hs.562110	6.10	chr1	N/A	7	31.02
Hs.594160	6.10	chr13	N/A	11	27.96
Hs.581032	6.10	chr22	N/A	3	3.61
Hs.120009	6.10	chr22	N/A	3	48.55
AGBL4	6.10	chr1	1p33	33	83.91
Hs.667412	6.10	chr5	N/A	7	78.70
Hs.659474	6.10	chr6	N/A	2	73.12

Hs.147326	6.09	chr19	N/A	3	7.19
Hs.667771	6.09	chr1	N/A	2	10.66
LOC100505983	6.09	chr20	N/A	1	0.00
Hs.293118	6.09	chr12	N/A	1	0.00
Hs.545545	6.09	chr8	N/A	3	53.28
Hs.545283	6.09	chr8	N/A	3	67.14
Hs.130187	6.09	chr6	N/A	5	59.02
Hs.579702	6.09	chr19	N/A	3	35.50
RAMP2-AS1	6.09	chr17	17q21.31	22	57.98
NUTM2G	6.09	chr9	9q22.33	3	22.08
OR2Y1	6.09	chr5	5q35.3	9	50.40
Hs.427926	6.09	chr3	N/A	3	19.38
Hs.561475	6.09	chr5	N/A	3	39.82
Hs.670155	6.09	chr19	N/A	2	20.93
Hs.542852	6.09	chr3	N/A	3	33.72
Hs.153944	6.09	chr1	N/A	1	0.00
LOC643962	6.09	chr6	6q15	6	62.27
Hs.565568	6.09	chr2	N/A	3	48.94
TMEM257	6.09	chrX	Xq27.3	23	74.92
LRRC66	6.09	chr4	4q12	4	55.59
Hs.602223	6.09	chr5	N/A	7	60.28
RANBP3L	6.08	chr5	5p13.2	30	52.66
Hs.661327	6.08	chr6	N/A	15	93.15
Hs.537778	6.08	chr1	N/A	3	25.94
Hs.662570	6.08	chr4	N/A	12	33.47
Hs.662767	6.08	chr12	N/A	7	47.40
MACC1	6.08	chr7	7p21.1	61	55.66
Hs.344136	6.08	chr7	N/A	5	51.65
TFAP2D	6.08	chr6	6p12.1	14	79.20
Hs.519477	6.08	chr5	N/A	10	40.66
Hs.600878	6.08	chr1	N/A	7	56.71
Hs.648642	6.08	chr3	N/A	3	12.94
Hs.140444	6.08	chr14	N/A	1	0.00
Hs.435075	6.08	chr3	N/A	3	39.50
Hs.561241	6.08	chr4	N/A	3	31.46
Hs.409982	6.08	chr16	N/A	7	81.09
Hs.135851	6.08	chr15	N/A	7	53.79
LOC100505545	6.08	chr4	N/A	28	45.95
Hs.134705	6.08	chr11	N/A	7	51.19
Hs.551917	6.08	chr12	N/A	8	50.16
Hs.602862	6.08	chrX	N/A	2	0.77
LOC100131943	6.08	chr17	17p11.2	17	78.35
Hs.518150	6.08	chr3	N/A	5	73.02
HOXC-AS5	6.08	chr12	N/A	9	42.10
Hs.659086	6.08	chr2	N/A	7	55.86
Hs.651218	6.08	chr7	N/A	7	61.12
Hs.129121	6.08	chr2	N/A	7	29.56
Hs.559605	6.08	chr1	N/A	10	47.52
Hs.565608	6.08	chr2	N/A	3	64.58
Hs.128132	6.08	chr10	N/A	10	47.19
Hs.542569	6.08	chr21	N/A	3	44.23
Hs.404330	6.08	chr7	N/A	10	28.42
Hs.61993	6.07	chr4	N/A	11	58.40
Hs.715967	6.07	chr14	N/A	7	38.25
Hs.561625	6.07	chr6	N/A	3	40.95
Hs.555565	6.07	chr2	N/A	7	69.11
Hs.581377	6.07	chr3	N/A	3	63.65
Hs.150688	6.07	chr18	N/A	3	65.22
Hs.551407	6.07	chr2	N/A	3	17.80
Hs.640998	6.07	chr21	N/A	8	30.65
CXorf58	6.07	chrX	Xp22.11	17	56.04
Hs.580123	6.07	chr2	N/A	3	54.01
Hs.564460	6.07	chr12	N/A	3	61.68
Hs.567932	6.07	chr18	N/A	2	2.90
Hs.153661	6.07	chr7	N/A	3	61.35
Hs.733081	6.07	chr16	N/A	1	0.00

Hs.582635	6.07	chr6	N/A	2	40.01
Hs.607349	6.07	chr17	N/A	1	0.00
Hs.743656	6.07	chr1	N/A	9	47.76
Hs.564131	6.07	chr10	N/A	3	27.75
Hs.434219	6.07	chr5	N/A	5	38.53
Hs.680108	6.07	chr2	N/A	1	0.00
Hs.614171	6.07	chr16	N/A	1	0.00
Hs.630983	6.07	chr20	N/A	1	0.00
Hs.560964	6.07	chr20	N/A	10	54.73
LOC100506229	6.07	chr4	N/A	11	49.58
Hs.543845	6.07	chr5	N/A	3	57.25
Hs.469262	6.07	chr2	N/A	3	36.14
Hs.303747	6.06	chr8	N/A	3	39.48
Hs.741754	6.06	chr1	N/A	9	65.28
Hs.668192	6.06	chr6	N/A	7	74.94
Hs.565181	6.06	chr18	N/A	3	37.83
Hs.638468	6.06	chr3	N/A	3	16.35
Hs.666380	6.06	chr3	N/A	2	35.33
Hs.672096	6.06	chr11	N/A	1	0.00
Hs.600956	6.06	chr4	N/A	7	106.96
Hs.131267	6.06	chr3	N/A	3	21.34
Hs.241414	6.06	chr3	N/A	4	22.96
Hs.648726	6.06	chrX	N/A	2	30.45
Hs.652661	6.06	chr18	N/A	7	46.81
CCDC73	6.06	chr11	11p13	13	88.19
Hs.473918	6.06	chr21	N/A	8	45.74
Hs.668323	6.06	chr12	N/A	1	0.00
Hs.538333	6.06	chr10	N/A	3	23.08
MTL5	6.06	chr11	11q13.2-q13.3	49	53.29
C1orf145	6.06	chr1	1q42.13	12	102.87
Hs.549834	6.05	chr11	N/A	1	0.00
Hs.668320	6.05	chr15	N/A	7	29.85
Hs.542822	6.05	chr3	N/A	3	66.78
Hs.582386	6.05	chr5	N/A	3	41.96
Hs.554271	6.05	chr4	N/A	1	0.00
Hs.655403	6.05	chr12	N/A	7	45.65
Hs.542905	6.05	chr3	N/A	10	44.50
RAD51AP2	6.05	chr2	2p24.2	3	45.33
Hs.573643	6.05	chrX	N/A	3	33.21
Hs.732420	6.05	chr9	N/A	2	4.74
Hs.436626	6.05	chr11	N/A	1	0.00
Hs.591091	6.05	chr9	N/A	1	0.00
Hs.241336	6.05	chr1	N/A	2	79.44
Hs.635310	6.05	chr19	N/A	10	46.43
Hs.710604	6.05	chr8	N/A	7	74.26
Hs.660252	6.05	chr9	N/A	7	48.12
LINC00862	6.05	chr1	1q32.1	4	62.46
Hs.598931	6.05	chr8	N/A	3	33.52
Hs.542460	6.04	chr20	N/A	3	45.00
Hs.223715	6.04	chr3	N/A	4	26.26
Hs.125638	6.04	chr4	N/A	7	68.13
Hs.98724	6.04	chr5	N/A	3	1.82
FOXN4	6.04	chr12	12q24.11	21	122.48
Hs.667180	6.04	chr18	N/A	2	0.17
Hs.32043	6.04	chr2	N/A	26	50.84
Hs.661608	6.04	chr15	N/A	1	0.00
Hs.667617	6.04	chr15	N/A	2	29.00
Hs.538027	6.04	chr1	N/A	3	51.10
Hs.565925	6.04	chr3	N/A	5	34.67
Hs.570004	6.04	chr19	N/A	3	15.99
CLPSL1	6.04	chr6	6p21.31	5	20.83
Hs.545732	6.04	chr9	N/A	3	26.70
Hs.554452	6.04	chr4	N/A	13	89.16
Hs.651268	6.04	chr6	N/A	2	5.47
LINC00643	6.04	chr14	14q23.2	36	148.30
Hs.130612	6.04	chr7	N/A	11	64.54

Hs.159853	6.04	chr1	N/A	3	49.20
Hs.570812	6.04	chr4	N/A	2	42.21
Hs.584846	6.04	chr12	N/A	7	81.18
Hs.670503	6.03	chr9	N/A	1	0.00
Hs.193273	6.03	chr9	N/A	3	72.11
Hs.656645	6.03	chr2	N/A	7	60.43
LOC100128881	6.03	chr16	16q24.3	1	0.00
Hs.567207	6.03	chrX	N/A	3	35.53
LOC100507160	6.03	chr4	N/A	18	65.42
Hs.542595	6.03	chr21	N/A	3	37.24
Hs.132956	6.03	chr9	N/A	8	46.15
Hs.12257	6.03	chr11	N/A	10	30.05
Hs.667762	6.03	chr1	N/A	7	85.73
LOC100128139	6.03	chr19	19p12	3	29.38
Hs.600471	6.03	chr9	N/A	7	47.47
Hs.584250	6.03	chr9	N/A	3	20.27
LOC100652999	6.03	chr12	N/A	11	36.32
Hs.583727	6.03	chr8	N/A	3	28.96
Hs.562481	6.03	chr13	N/A	3	45.93
Hs.668348	6.03	chr2	N/A	7	34.75
LOC100129894	6.03	chr10	10p15.3	10	23.74
GSC2	6.03	chr22	22q11.21	21	84.13
Hs.663197	6.03	chr6	N/A	1	0.00
Hs.116818	6.03	chr15	N/A	10	53.92
Hs.539207	6.03	chr12	N/A	3	41.88
WFD11	6.03	chr20	20q13.12	17	44.43
Hs.18768	6.02	chr1	N/A	8	61.06
Hs.564169	6.02	chr11	N/A	3	19.24
Hs.580634	6.02	chr20	N/A	3	23.10
Hs.604125	6.02	chr6	N/A	2	20.20
Hs.372306	6.02	chr6	N/A	3	43.38
Hs.148512	6.02	chr5	N/A	2	10.62
Hs.146628	6.02	chr1	N/A	6	57.46
Hs.645721	6.02	chr3	N/A	7	49.97
Hs.408530	6.02	chr16	N/A	8	78.41
LOC642778	6.02	chr16	16p13.11	3	21.66
Hs.552160	6.02	chr9	N/A	3	43.40
Hs.396327	6.02	chr2	N/A	3	25.59
Hs.541621	6.02	chr2	N/A	3	35.61
Hs.659802	6.02	chr16	N/A	7	48.51
Hs.668425	6.02	chr3	N/A	7	41.95
Hs.444684	6.01	chr10	N/A	4	61.65
DLEU7	6.01	chr13	13q14.3	14	95.72
Hs.555158	6.01	chr16	N/A	2	14.48
NEUROD1	6.01	chr2	2q32	24	37.27
Hs.638485	6.01	chr7	N/A	3	23.20
Hs.578051	6.01	chr13	N/A	3	44.22
KIF20A	6.01	chr5	5q31	111	42.77
Hs.668092	6.01	chr8	N/A	7	67.11
Hs.707205	6.01	chr2	N/A	8	22.44
DKFZp434E1119	6.01	chr11	11q14.1	4	28.83
Hs.444260	6.01	chr22	N/A	7	57.20
Hs.543272	6.01	chr3	N/A	3	32.14
Hs.436627	6.01	chr16	N/A	3	23.16
Hs.126512	6.01	chr15	N/A	10	27.53
Hs.733662	6.01	chr15	N/A	7	43.25
VHLL	6.01	chr1	1q22	13	45.97
Hs.619993	6.01	chr8	N/A	3	41.57
OR812	6.01	chr11	11q12.1	3	37.17
Hs.538913	6.01	chr11	N/A	3	58.25
Hs.158976	6.00	chr17	N/A	3	36.52
Hs.662638	6.00	chr14	N/A	3	6.14
ZNF215	6.00	chr11	11p15.4	32	95.24
Hs.656635	6.00	chr12	N/A	7	37.07
Hs.131212	6.00	chr12	N/A	7	61.26
Hs.741618	6.00	chr21	N/A	1	0.00

Hs.599570	6.00	chr7	N/A	5	69.03
Hs.603212	6.00	chr6	N/A	5	41.83
Hs.603124	6.00	chr3	N/A	2	27.06
Hs.351126	6.00	chr3	N/A	11	100.70
Hs.679803	6.00	chr2	N/A	1	0.00
Hs.158585	6.00	chr6	N/A	3	46.99
Hs.597408	6.00	chr10	N/A	3	20.23
LOC728342	5.99	chr5	5q23.1	1	0.00
Hs.561909	5.99	chr9	N/A	6	68.10
LOC152225	5.99	chr3	3q12.3	1	0.00
Hs.649169	5.99	chr9	N/A	1	0.00
Hs.526574	5.99	chr17	N/A	3	61.42
Hs.664496	5.99	chr2	N/A	7	105.22
Hs.667499	5.99	chr5	N/A	8	41.07
Hs.189623	5.99	chr4	N/A	3	3.96
Hs.99677	5.99	chr10	N/A	10	33.89
Hs.388765	5.99	chr1	N/A	5	49.78
TEX11	5.99	chrX	Xq13.1	36	63.03
Hs.579445	5.99	chr18	N/A	3	7.59
Hs.416013	5.99	chr6	N/A	7	33.44
Hs.734345	5.99	chr2	N/A	7	33.80
Hs.307979	5.99	chr11	N/A	7	74.99
NOXRED1	5.99	chr14	14q24.3	17	46.29
Hs.560190	5.99	chr13	N/A	3	23.52
BTNL8	5.99	chr5	5q35.3	24	54.50
Hs.537360	5.99	chr21	N/A	3	14.09
Hs.579290	5.99	chr17	N/A	3	60.05
Hs.538805	5.99	chr11	N/A	3	27.63
Hs.588388	5.99	chr8	N/A	1	0.00
Hs.664807	5.98	chr1	N/A	5	70.49
Hs.564550	5.98	chr13	N/A	17	65.28
SORCS3-AS1	5.98	chr10	N/A	18	49.74
Hs.550359	5.98	chr18	N/A	3	36.38
Hs.584061	5.98	chr9	N/A	3	54.12
Hs.149264	5.98	chr2	N/A	6	46.35
Hs.242576	5.98	chr7	N/A	3	20.05
Hs.600584	5.98	chr6	N/A	7	31.84
Hs.578325	5.98	chr14	N/A	3	16.81
LOC100996457	5.98	chr8	N/A	24	54.35
Hs.144719	5.98	chr13	N/A	4	50.13
Hs.116182	5.98	chr6	N/A	7	56.24
Hs.663335	5.98	chr2	N/A	15	45.92
ADAM18	5.98	chr8	8p11.22	31	70.63
Hs.712803	5.98	chr19	N/A	5	56.31
Hs.566392	5.98	chr5	N/A	5	16.43
Hs.564518	5.98	chr13	N/A	3	47.71
Hs.569389	5.98	chr14	N/A	3	20.94
Hs.662394	5.98	chr18	N/A	7	77.77
MAGEB18	5.98	chrX	Xp21.3	17	95.43
Hs.568903	5.98	chr11	N/A	7	41.13
Hs.132568	5.97	chr15	N/A	3	62.31
Hs.491101	5.97	chr1	N/A	7	65.89
Hs.513786	5.97	chr16	N/A	3	52.57
IFNB1	5.97	chr9	9p21	23	53.51
Hs.559600	5.97	chr1	N/A	3	40.15
Hs.327170	5.97	chr2	N/A	1	0.00
Hs.566133	5.97	chr4	N/A	3	32.75
MATN3	5.97	chr2	2p24-p23	25	90.20
C6orf147	5.97	chr6	6q13	1	0.00
KRTAP21-3	5.97	chr21	21q22.11	3	41.91
TEKT3	5.97	chr17	17p12	26	54.08
Hs.741766	5.97	chr10	N/A	3	66.68
LEUTX	5.97	chr19	19q13.2	2	11.00
Hs.656394	5.97	chr19	N/A	11	116.32
Hs.363303	5.97	chr20	N/A	3	36.98
Hs.561730	5.97	chr7	N/A	3	30.60

Hs.542633	5.97	chr21	N/A	3	27.30
Hs.662307	5.97	chr6	N/A	7	53.31
Hs.126468	5.97	chr6	N/A	3	57.22
LOC100996371	5.97	chr3	N/A	1	0.00
LOC100505840	5.97	chr1	N/A	1	0.00
Hs.512440	5.97	chr8	N/A	12	130.45
Hs.656961	5.96	chr20	N/A	7	51.82
C9orf153	5.96	chr9	9q21.33	15	91.03
Hs.733830	5.96	chr14	N/A	14	45.18
Hs.573414	5.96	chr8	N/A	3	31.36
LOC100507373	5.96	chr19	N/A	5	69.98
Hs.526497	5.96	chr16	N/A	3	18.34
Hs.566474	5.96	chr6	N/A	3	21.51
Hs.538799	5.96	chr11	N/A	3	28.50
Hs.658261	5.96	chr4	N/A	2	46.39
Hs.670298	5.96	chr2	N/A	1	0.00
CT45A1	5.96	chrX	Xq26.3	19	85.44
TMEM213	5.96	chr7	7q34	14	41.23
Hs.551951	5.96	chr15	N/A	8	77.34
GBP7	5.96	chr1	1p22.2	16	77.33
Hs.563360	5.96	chr6	N/A	3	73.42
C18orf15	5.96	chr18	18p11.21	11	54.43
GAF3	5.96	chr4	4p14	11	148.67
Hs.438220	5.96	chr4	N/A	3	29.77
Hs.683821	5.96	chr11	N/A	10	24.32
Hs.105147	5.96	chr17	N/A	10	45.03
C17orf104	5.95	chr17	17q21.31	31	100.66
Hs.131580	5.95	chr13	N/A	3	32.18
Hs.124836	5.95	chr7	N/A	10	58.64
Hs.491813	5.95	chr8	N/A	7	56.71
Hs.666131	5.95	chr13	N/A	7	47.61
Hs.127764	5.95	chr17	N/A	2	24.75
Hs.594145	5.95	chr9	N/A	7	51.96
Hs.595472	5.95	chr16	N/A	10	16.11
LOC145474	5.95	chr14	14q24.2	8	31.21
Hs.613629	5.95	chr9	N/A	1	0.00
GSN-AS1	5.95	chr9	9q33.2	10	62.62
TMEM14E	5.95	chr3	3q25.1	10	36.63
LINC00668	5.95	chr18	18p11.31	11	68.27
Hs.211301	5.94	chr7	N/A	13	101.11
HIST1H1B	5.94	chr6	6p22.1	23	102.75
Hs.541646	5.94	chr2	N/A	3	70.11
Hs.549727	5.94	chr1	N/A	4	60.97
LOC100129033	5.94	chr6	6p25.1	10	128.02
Hs.733467	5.94	chr12	N/A	3	39.08
Hs.576826	5.94	chr10	N/A	3	41.32
Hs.571425	5.94	chr8	N/A	7	42.08
Hs.565312	5.94	chr2	N/A	3	10.65
LOC100130872	5.94	chr4	4p16.3	8	47.72
PDCD1LG2	5.94	chr9	9p24.2	22	60.56
LOC100131938	5.94	chr1	1q23.3	12	79.25
Hs.669468	5.94	chr9	N/A	1	0.00
Hs.544558	5.94	chr6	N/A	3	25.50
DCAF8L2	5.94	chrX	Xp21.3	3	24.71
Hs.363337	5.94	chr21	N/A	3	65.20
Hs.211136	5.94	chr2	N/A	3	35.27
Hs.544619	5.94	chr6	N/A	3	4.35
Hs.738222	5.93	chr4	N/A	3	3.07
Hs.663207	5.93	chr10	N/A	8	27.36
Hs.147439	5.93	chr1	N/A	2	7.63
Hs.541810	5.93	chr18	N/A	3	90.58
Hs.543080	5.93	chr3	N/A	3	22.45
LRRC36	5.93	chr16	16q22.1	28	34.47
Hs.659284	5.93	chr1	N/A	14	50.88
Hs.649363	5.93	chr1	N/A	6	49.15
Hs.663242	5.93	chr2	N/A	7	45.08

Hs.654846	5.93	chr16	N/A	7	68.86
IL2	5.93	chr4	4q26-q27	50	70.33
Hs.438375	5.93	chrX	N/A	3	26.73
Hs.469690	5.93	chr2	N/A	8	37.53
Hs.574784	5.93	chr2	N/A	2	34.15
LEF1-AS1	5.93	chr4	4q25	18	87.52
LRR55	5.93	chr11	11q12.1	27	65.78
SPIC	5.93	chr12	12q23.2	20	45.28
LOC100506652	5.93	chr8	N/A	13	93.93
RNF219-AS1	5.93	chr13	N/A	3	19.08
LALBA	5.93	chr12	12q13	23	28.50
Hs.147574	5.93	chr10	N/A	6	73.81
Hs.664777	5.93	chr8	N/A	5	61.07
Hs.674568	5.93	chr5	N/A	1	0.00
Hs.1987	5.93	chr2	N/A	7	53.23
Hs.664732	5.93	chr6	N/A	8	77.52
Hs.744659	5.93	chr7	N/A	1	0.00
Hs.520677	5.93	chr7	N/A	3	28.77
Hs.602681	5.92	chr4	N/A	7	47.43
Hs.729260	5.92	chr13	N/A	7	77.84
FBXW10	5.92	chr17	17p12	24	65.89
Hs.659262	5.92	chr6	N/A	3	20.27
Hs.566019	5.92	chr4	N/A	3	40.84
NANOS2	5.92	chr19	19q13.32	4	33.93
Hs.537885	5.92	chr1	N/A	7	58.52
PIRT	5.92	chr17	17p12	1	0.00
Hs.201721	5.92	chr17	N/A	3	66.63
WASIR2	5.92	chr16	16p13.3	11	46.57
AXDND1	5.92	chr1	1q25.2	44	56.51
Hs.152651	5.92	chr5	N/A	3	10.41
Hs.539217	5.92	chr12	N/A	3	74.39
Hs.668128	5.92	chr6	N/A	2	32.80
Hs.672105	5.92	chr3	N/A	3	29.35
Hs.668246	5.92	chr4	N/A	3	20.00
Hs.203594	5.92	chr16	N/A	1	0.00
Hs.538140	5.92	chr1	N/A	3	44.51
Hs.708778	5.92	chr5	N/A	1	0.00
Hs.146719	5.92	chr14	N/A	10	47.54
Hs.127078	5.92	chr7	N/A	10	35.74
STRA8	5.92	chr7	7q33	15	63.09
Hs.602314	5.91	chr15	N/A	5	34.56
RFX8	5.91	chr2	2q11.2	9	49.18
Hs.541470	5.91	chr2	N/A	5	36.11
Hs.560484	5.91	chr17	N/A	3	70.75
Hs.650028	5.91	chr5	N/A	3	23.54
Hs.666625	5.91	chr2	N/A	7	32.74
Hs.519005	5.91	chr4	N/A	6	80.58
LOC391722	5.91	chr4	4q35.1	3	20.88
FOLR4	5.91	chr11	11q21	2	39.31
Hs.668431	5.91	chr17	N/A	1	0.00
Hs.543728	5.91	chr4	N/A	3	43.98
Hs.656736	5.91	chr1	N/A	8	25.89
Hs.570657	5.91	chr3	N/A	3	11.52
LOC284578	5.91	chr1	1q32.1	1	0.00
Hs.580009	5.91	chr2	N/A	3	48.23
Hs.538149	5.91	chr1	N/A	3	45.73
Hs.682239	5.91	chr1	N/A	1	0.00
Hs.565442	5.91	chr2	N/A	3	27.54
TERC	5.91	chr3	3q26	3	29.49
Hs.601114	5.91	chr6	N/A	7	83.03
Hs.604361	5.90	chr15	N/A	7	49.49
Hs.554395	5.90	chr11	N/A	20	32.61
Hs.195316	5.90	chrX	N/A	3	76.48
Hs.677186	5.90	chr18	N/A	1	0.00
Hs.578059	5.90	chr13	N/A	3	24.69
Hs.563786	5.90	chr1	N/A	3	9.10

Hs.738351	5.90	chr2	N/A	3	24.46
Hs.561022	5.90	chr21	N/A	3	16.39
Hs.618003	5.90	chr17	N/A	10	41.26
Hs.436014	5.90	chr5	N/A	10	44.81
Hs.659501	5.90	chr21	N/A	1	0.00
Hs.640502	5.90	chr13	N/A	3	57.79
Hs.124554	5.90	chr3	N/A	7	65.05
LOC100131508	5.90	chr6	6q14.1	3	67.89
Hs.541731	5.90	chr2	N/A	3	39.06
Hs.538960	5.90	chr11	N/A	2	33.18
Hs.150163	5.90	chr3	N/A	10	67.62
WDR86-AS1	5.89	chr7	7q36.1	12	34.08
Hs.539487	5.89	chr12	N/A	3	17.36
Hs.649325	5.89	chr2	N/A	8	44.97
Hs.585560	5.89	chr12	N/A	7	45.90
Hs.560510	5.89	chr17	N/A	7	18.90
Hs.277205	5.89	chr13	N/A	3	47.95
Hs.131482	5.89	chr17	N/A	2	2.47
Hs.656062	5.89	chr1	N/A	2	67.11
Hs.539788	5.89	chr13	N/A	3	33.53
Hs.570322	5.89	chr20	N/A	10	29.65
Hs.667531	5.89	chr1	N/A	4	67.87
Hs.569347	5.89	chr14	N/A	2	3.39
Hs.560885	5.89	chr2	N/A	3	12.03
HYAL4	5.89	chr7	7q31.3	21	50.48
Hs.735418	5.89	chr1	N/A	3	19.75
Hs.658622	5.88	chr5	N/A	3	79.99
Hs.567084	5.88	chr9	N/A	3	65.31
PMCH	5.88	chr12	12q23.2	23	150.80
Hs.602835	5.88	chr13	N/A	2	57.21
HOXC8	5.88	chr12	12q13.3	31	68.82
Hs.690393	5.88	chr14	N/A	3	40.62
Hs.563902	5.88	chr1	N/A	3	55.10
Hs.290255	5.88	chr10	N/A	14	25.34
ZNF891	5.88	chr12	12q24.33	1	0.00
LOC100506348	5.88	chr20	N/A	16	75.57
Hs.645827	5.88	chr1	N/A	3	33.26
Hs.665330	5.88	chr12	N/A	7	25.60
Hs.742170	5.88	chr5	N/A	3	33.15
Hs.433047	5.88	chr12	N/A	7	68.31
GCSAML	5.88	chr1	1q44	32	74.17
Hs.667612	5.88	chr9	N/A	2	7.48
Hs.736901	5.88	chr12	N/A	3	30.82
Hs.129345	5.88	chr12	N/A	4	22.27
Hs.436662	5.88	chr11	N/A	3	20.31
Hs.42612	5.88	chr2	N/A	11	106.91
Hs.619972	5.88	chr6	N/A	3	41.75
Hs.538761	5.87	chr11	N/A	3	33.67
Hs.603828	5.87	chr12	N/A	7	64.92
LOC100996288	5.87	chr19	N/A	10	56.25
Hs.633023	5.87	chr1	N/A	1	0.00
Hs.661436	5.87	chr13	N/A	1	0.00
KRTAP22-1	5.87	chr21	21q22.1	6	51.64
Hs.385616	5.87	chr16	N/A	1	0.00
Hs.335004	5.87	chr1	N/A	2	64.86
LOC100130768	5.87	chr2	2q14.3	3	42.78
Hs.569405	5.87	chr14	N/A	8	91.47
LOC200772	5.87	chr2	2q37.3	1	0.00
Hs.545764	5.87	chr9	N/A	3	68.89
Hs.131207	5.87	chr12	N/A	7	36.95
Hs.268685	5.87	chr6	N/A	7	46.74
Hs.434220	5.87	chr22	N/A	1	0.00
Hs.573368	5.87	chr7	N/A	10	71.97
Hs.635167	5.87	chr17	N/A	3	28.52
Hs.151170	5.87	chr19	N/A	2	5.36
UBASH3A	5.87	chr21	21q22.3	31	53.82

Hs.543378	5.86	chr4	N/A	3	30.84
Hs.666779	5.86	chr1	N/A	8	34.72
Hs.545463	5.86	chr8	N/A	3	28.03
Hs.515322	5.86	chr19	N/A	3	76.13
Hs.673825	5.86	chr16	N/A	1	0.00
Hs.538653	5.86	chr10	N/A	5	31.04
Hs.665172	5.86	chr5	N/A	1	0.00
SNORD114-3	5.86	chr14	14q32	28	73.31
Hs.570178	5.86	chr2	N/A	3	64.62
Hs.566684	5.86	chr7	N/A	3	10.76
Hs.603935	5.86	chr9	N/A	7	45.48
Hs.640036	5.86	chr16	N/A	3	39.30
Hs.254632	5.86	chr3	N/A	3	48.93
Hs.98121	5.86	chr20	N/A	10	69.92
Hs.114070	5.86	chr10	N/A	3	22.10
Hs.650824	5.86	chr12	N/A	3	40.33
Hs.516739	5.86	chr2	N/A	14	93.60
Hs.706886	5.85	chr11	N/A	7	42.55
Hs.543922	5.85	chr5	N/A	3	71.34
Hs.664488	5.85	chr10	N/A	7	46.28
Hs.626242	5.85	chr21	N/A	3	30.00
Hs.581821	5.85	chr4	N/A	3	34.37
Hs.131010	5.85	chr12	N/A	7	76.76
Hs.48584	5.85	chrY	N/A	7	65.88
Hs.736662	5.85	chr20	N/A	3	40.30
Hs.670424	5.85	chrX	N/A	1	0.00
Hs.145933	5.85	chr6	N/A	11	26.17
Hs.736359	5.85	chr8	N/A	1	0.00
Hs.649769	5.85	chr11	N/A	3	49.35
C5orf17	5.84	chr5	5p14.2	3	33.56
SNORD16	5.84	chr15	15q22	3	40.01
Hs.696622	5.84	chr12	N/A	1	0.00
Hs.666184	5.84	chr8	N/A	7	86.30
Hs.538366	5.84	chr10	N/A	3	19.21
Hs.477963	5.84	chr3	N/A	3	46.61
Hs.664094	5.84	chr15	N/A	8	67.52
Hs.733784	5.84	chr22	N/A	2	5.25
DGCR10	5.84	chr22	22q11	1	0.00
Hs.664820	5.84	chr7	N/A	7	29.14
Hs.659173	5.84	chr9	N/A	7	44.36
Hs.664161	5.84	chr17	N/A	1	0.00
Hs.117083	5.84	chr2	N/A	3	82.13
Hs.560786	5.84	chr2	N/A	3	29.54
Hs.613692	5.84	chr16	N/A	5	66.41
LOC100128035	5.84	chr3	3q13.2	9	85.13
SGCZ	5.84	chr8	8p22	19	57.21
Hs.553451	5.84	chr2	N/A	3	36.94
Hs.542206	5.84	chr2	N/A	3	18.81
Hs.731227	5.84	chr3	N/A	3	8.80
Hs.131235	5.84	chr4	N/A	7	56.94
Hs.28664	5.83	chr8	N/A	17	86.73
Hs.538216	5.83	chr1	N/A	6	31.11
Hs.602655	5.83	chr5	N/A	7	72.72
Hs.540445	5.83	chr16	N/A	3	33.30
Hs.662717	5.83	chr19	N/A	7	55.30
Hs.710364	5.83	chr14	N/A	3	34.77
Hs.633111	5.83	chrX	N/A	3	49.83
Hs.578716	5.83	chr16	N/A	3	85.48
Hs.525155	5.83	chr11	N/A	7	50.68
Hs.603356	5.83	chr8	N/A	3	50.60
Hs.601621	5.83	chr1	N/A	7	50.96
Hs.149950	5.83	chr12	N/A	7	50.77
ZNF750	5.83	chr17	17q25.3	18	96.93
Hs.672650	5.83	chr3	N/A	11	167.14
Hs.632882	5.83	chr9	N/A	3	34.28
DRC1	5.83	chr2	2p23.3	18	47.75

Hs.48021	5.83	chr8	N/A	2	9.11
LOC100128751	5.83	chr1	1q24.2	1	0.00
Hs.602179	5.82	chr6	N/A	7	32.94
Hs.389019	5.82	chr18	N/A	11	120.35
LOC100506899	5.82	chr1	N/A	6	39.58
T1560	5.82	chr8	8q12.1	3	42.76
Hs.574298	5.82	chr16	N/A	3	42.36
Hs.545945	5.82	chrX	N/A	7	52.27
Hs.676596	5.82	chr6	N/A	1	0.00
Hs.573109	5.82	chr4	N/A	3	51.29
Hs.659427	5.82	chr12	N/A	7	45.43
Hs.289922	5.82	chr8	N/A	1	0.00
Hs.664008	5.82	chr22	N/A	7	42.30
Hs.667488	5.82	chr22	N/A	7	30.27
Hs.146594	5.82	chr4	N/A	10	55.14
OR6C2	5.82	chr12	12q13.2	3	9.88
Hs.660526	5.82	chr1	N/A	7	43.28
Hs.515917	5.82	chr1	N/A	3	18.34
LOC440600	5.82	chr1	1p13.3	7	25.82
LINC00310	5.82	chr21	21q22.11	24	62.56
SPTSSB	5.81	chr3	3q26.1	20	45.19
Hs.513653	5.81	chr16	N/A	3	43.16
LINC00683	5.81	chr18	18q23	11	59.44
Hs.126958	5.81	chr11	N/A	8	50.15
LOC390877	5.81	chr19	19p13.3	3	34.72
Hs.529724	5.81	chr4	N/A	3	30.94
Hs.666206	5.81	chr3	N/A	2	58.42
Hs.672949	5.81	chr2	N/A	1	0.00
XKRY	5.81	chrY	Yq11.222	10	41.41
ASCL4	5.81	chr12	12q23.3	7	43.08
Hs.666421	5.81	chr20	N/A	3	54.06
CCDC63	5.81	chr12	12q24.11	19	71.72
SPACA7	5.81	chr13	13q34	24	56.88
Hs.540072	5.81	chr14	N/A	3	13.25
Hs.649339	5.81	chr7	N/A	2	6.02
Hs.368523	5.81	chr4	N/A	6	49.98
Hs.176314	5.81	chr1	N/A	3	21.42
Hs.666973	5.81	chr4	N/A	7	35.64
Hs.560397	5.80	chr15	N/A	3	27.57
Hs.543062	5.80	chr3	N/A	3	37.05
Hs.658238	5.80	chr4	N/A	7	43.56
LOC100506837	5.80	chr18	N/A	10	54.92
Hs.672915	5.80	chr1	N/A	1	0.00
GNGT1	5.80	chr7	7q21.3	40	80.52
Hs.553069	5.80	chr3	N/A	3	32.53
Hs.560036	5.80	chr12	N/A	3	26.27
Hs.580543	5.80	chr2	N/A	3	30.85
LOC440233	5.80	chr15	15q11.2	3	31.33
Hs.670304	5.80	chr5	N/A	1	0.00
Hs.564091	5.80	chr10	N/A	3	53.88
Hs.490454	5.80	chr7	N/A	7	78.48
Hs.208717	5.79	chr5	N/A	4	80.27
Hs.659601	5.79	chr5	N/A	8	49.58
Hs.720773	5.79	chr4	N/A	1	0.00
Hs.566613	5.79	chr7	N/A	3	42.65
ERVK-6	5.79	chr7	7p22.1	11	40.70
LINC00489	5.79	chr20	20q11.23	3	63.84
Hs.594886	5.79	chr9	N/A	6	29.08
Hs.666650	5.79	chr8	N/A	2	8.31
ZPLD1	5.79	chr3	3q12.3	15	48.96
Hs.132624	5.79	chr14	N/A	2	2.95
Hs.561056	5.79	chr22	N/A	3	47.13
LINC00111	5.79	chr21	21q22.3	5	62.44
Hs.541900	5.79	chr2	N/A	3	74.24
Hs.603877	5.79	chr13	N/A	2	66.31
Hs.664009	5.79	chr7	N/A	18	81.73

Hs.658292	5.79	chr16	N/A	4	112.08
Hs.252565	5.79	chr3	N/A	5	74.18
Hs.128920	5.79	chr8	N/A	2	0.83
Hs.574778	5.78	chr2	N/A	3	82.60
Hs.712904	5.78	chr4	N/A	10	39.72
Hs.551671	5.78	chr13	N/A	1	0.00
Hs.537953	5.78	chr1	N/A	3	31.67
Hs.744430	5.78	chr12	N/A	15	47.89
Hs.541939	5.78	chr2	N/A	3	25.50
LOC100996660	5.78	chr17	N/A	7	54.70
Hs.636847	5.78	chr8	N/A	11	98.67
Hs.616990	5.78	chr4	N/A	3	47.19
Hs.586196	5.78	chr5	N/A	2	31.15
Hs.593732	5.78	chr5	N/A	1	0.00
Hs.46756	5.78	chr10	N/A	3	71.65
METTL21C	5.78	chr13	13q33.1	36	95.43
OR51A2	5.78	chr11	11p15.4	3	31.70
Hs.538392	5.78	chr10	N/A	10	50.69
Hs.660173	5.78	chr5	N/A	1	0.00
Hs.134205	5.78	chr20	N/A	3	17.96
C15orf62	5.77	chr15	15q15.1	19	107.63
Hs.313888	5.77	chr10	N/A	3	61.19
Hs.602207	5.77	chr8	N/A	7	67.89
FLJ45825	5.77	chr6	N/A	1	0.00
Hs.666692	5.77	chr6	N/A	7	65.44
Hs.604380	5.77	chr6	N/A	8	32.71
Hs.666980	5.77	chr19	N/A	7	84.49
Hs.538611	5.77	chr10	N/A	3	57.62
Hs.98838	5.77	chr2	N/A	4	41.70
Hs.542360	5.77	chr20	N/A	10	63.73
Hs.540149	5.77	chr15	N/A	3	41.22
Hs.562372	5.77	chr11	N/A	3	41.69
OR4M2	5.77	chr15	15q11.2	6	35.48
Hs.640604	5.76	chr12	N/A	3	37.02
Hs.539277	5.76	chr12	N/A	3	29.26
Hs.545554	5.76	chr8	N/A	3	33.33
Hs.633839	5.76	chr14	N/A	7	28.19
DYNAP	5.76	chr18	18q21.2	18	139.29
Hs.582001	5.76	chr4	N/A	3	51.77
Hs.408453	5.76	chr11	N/A	10	39.47
Hs.581822	5.76	chr4	N/A	3	32.66
Hs.666475	5.76	chr10	N/A	7	48.95
Hs.542223	5.76	chr2	N/A	10	47.21
Hs.543751	5.76	chr4	N/A	3	17.90
Hs.570397	5.76	chr20	N/A	1	0.00
Hs.539882	5.76	chr14	N/A	3	27.58
Hs.610277	5.76	chr16	N/A	1	0.00
Hs.170862	5.76	chr11	N/A	3	28.27
Hs.658555	5.76	chr9	N/A	8	23.26
Hs.658726	5.76	chr10	N/A	2	13.79
Hs.659264	5.76	chr2	N/A	3	66.75
UNQ6494	5.75	chr9	9q22.2	10	41.37
Hs.667500	5.75	chr2	N/A	1	0.00
Hs.550384	5.75	chr2	N/A	3	66.39
Hs.132322	5.75	chr1	N/A	7	54.52
Hs.356889	5.75	chr17	N/A	1	0.00
Hs.666596	5.75	chr6	N/A	1	0.00
Hs.550709	5.75	chr21	N/A	10	33.21
Hs.659095	5.75	chr9	N/A	1	0.00
Hs.734320	5.75	chr4	N/A	2	27.67
Hs.649978	5.75	chr3	N/A	1	0.00
Hs.649918	5.75	chr17	N/A	1	0.00
Hs.539622	5.75	chr13	N/A	7	56.45
Hs.672180	5.75	chr13	N/A	2	16.77
GADL1	5.75	chr3	3p24.1-p23	7	48.79
Hs.580699	5.75	chr20	N/A	3	11.12

Hs.551459	5.75	chr20	N/A	3	11.81
Hs.580531	5.75	chr2	N/A	10	61.07
Hs.576685	5.74	chr10	N/A	3	66.83
IL31	5.74	chr12	12q24.31	13	130.15
Hs.670641	5.74	chr9	N/A	1	0.00
QRFP	5.74	chr9	9q34.12	6	85.46
Hs.119807	5.74	chr7	N/A	7	35.27
Hs.604102	5.74	chr3	N/A	2	31.97
Hs.658571	5.74	chr8	N/A	7	26.33
Hs.602493	5.74	chr3	N/A	7	34.05
Hs.635586	5.74	chr6	N/A	3	37.40
Hs.155348	5.74	chr7	N/A	7	62.09
TTY7B	5.74	chrY	Yp11.2	3	19.04
Hs.577275	5.74	chr11	N/A	4	75.04
RNASE8	5.74	chr14	14q11.2	22	53.43
Hs.604171	5.73	chr2	N/A	2	28.22
Hs.582872	5.73	chr6	N/A	3	39.06
Hs.708484	5.73	chr4	N/A	3	25.52
Hs.664685	5.73	chr11	N/A	7	28.37
Hs.714485	5.73	chr17	N/A	1	0.00
Hs.444615	5.73	chr2	N/A	3	8.43
Hs.565528	5.73	chr2	N/A	3	28.20
Hs.545234	5.73	chr8	N/A	3	34.43
Hs.568753	5.73	chr10	N/A	3	44.26
Hs.622106	5.73	chr4	N/A	3	2.48
Hs.622602	5.73	chr8	N/A	3	36.18
Hs.634128	5.73	chr10	N/A	3	24.70
Hs.517428	5.73	chr1	N/A	3	47.24
Hs.623976	5.73	chr1	N/A	3	49.20
Hs.566771	5.73	chr7	N/A	3	30.05
Hs.668181	5.73	chr10	N/A	2	44.25
Hs.658034	5.73	chr16	N/A	1	0.00
Hs.639009	5.73	chr2	N/A	10	56.95
Hs.284492	5.73	chr12	N/A	3	28.41
CHL1-AS2	5.73	chr3	3p26.3	1	0.00
Hs.656239	5.73	chr1	N/A	7	65.60
LOC284344	5.72	chr19	19q13.32	10	127.70
Hs.576949	5.72	chr11	N/A	3	68.02
Hs.596108	5.72	chr10	N/A	8	30.87
LINC00433	5.72	chr13	N/A	5	72.34
Hs.641182	5.72	chr19	N/A	1	0.00
OR6C68	5.72	chr12	12q13.2	6	28.43
Hs.564104	5.72	chr10	N/A	3	39.00
Hs.546026	5.72	chrX	N/A	3	45.55
Hs.630044	5.72	chr6	N/A	10	25.59
Hs.580436	5.72	chr2	N/A	3	43.27
Hs.601111	5.72	chr1	N/A	7	63.51
Hs.656233	5.72	chr12	N/A	7	44.20
Hs.721036	5.72	chr11	N/A	3	120.07
Hs.541454	5.72	chr2	N/A	3	32.57
Hs.585593	5.72	chr12	N/A	1	0.00
LINC00606	5.72	chr3	3p25.3	5	55.48
KRT40	5.72	chr17	17q21.2	25	89.26
Hs.538467	5.72	chr10	N/A	7	59.81
Hs.545246	5.72	chr8	N/A	3	21.31
Hs.656486	5.72	chr10	N/A	7	30.49
STK31	5.72	chr7	7p15.3	37	53.79
Hs.636381	5.71	chr20	N/A	3	37.62
Hs.604382	5.71	chr3	N/A	7	59.97
Hs.745283	5.71	chr17	N/A	7	40.18
KRTAP22-2	5.71	chr21	21q22.11	3	66.78
Hs.597177	5.71	chr2	N/A	1	0.00
Hs.537847	5.71	chr1	N/A	3	44.31
Hs.543609	5.71	chr4	N/A	7	46.90
Hs.703296	5.71	chr1	N/A	1	0.00
Hs.662837	5.71	chr15	N/A	7	58.02

Hs.130449	5.71	chr4	N/A	7	31.36
Hs.665191	5.71	chr9	N/A	1	0.00
Hs.253188	5.71	chr4	N/A	3	23.23
Hs.547569	5.71	chr20	N/A	1	0.00
Hs.636077	5.71	chr3	N/A	3	27.33
Hs.544199	5.71	chr5	N/A	3	32.16
Hs.524113	5.70	chr11	N/A	3	55.68
Hs.642375	5.70	chr16	N/A	10	16.64
Hs.729519	5.70	chr10	N/A	10	31.79
Hs.575043	5.70	chr4	N/A	3	41.69
Hs.741761	5.70	chr1	N/A	7	40.83
Hs.662643	5.70	chr12	N/A	7	50.80
Hs.742125	5.70	chr12	N/A	8	26.60
Hs.534688	5.70	chr8	N/A	2	8.83
FAM27E2	5.70	chr9	9p11.2	8	25.84
Hs.570428	5.70	chr21	N/A	3	37.11
Hs.660136	5.70	chr10	N/A	15	69.58
Hs.669922	5.70	chr1	N/A	5	21.19
Hs.575684	5.70	chr9	N/A	3	39.10
Hs.129455	5.70	chr20	N/A	7	53.03
Hs.666573	5.70	chr4	N/A	5	78.75
Hs.308048	5.70	chr5	N/A	3	45.35
Hs.524340	5.70	chr12	N/A	7	60.98
Hs.477528	5.70	chr3	N/A	3	24.24
Hs.185515	5.70	chr7	N/A	3	48.90
Hs.148294	5.70	chr5	N/A	3	38.23
Hs.601099	5.70	chr6	N/A	3	25.10
Hs.602753	5.69	chr16	N/A	2	3.26
Hs.523342	5.69	chr10	N/A	3	40.05
Hs.544848	5.69	chr15	N/A	3	45.78
Hs.142737	5.69	chr12	N/A	1	0.00
Hs.148783	5.69	chr5	N/A	5	47.53
Hs.602170	5.69	chr12	N/A	7	36.26
Hs.667282	5.69	chr17	N/A	2	34.17
Hs.594203	5.69	chr15	N/A	7	62.95
Hs.665702	5.69	chr17	N/A	3	22.14
Hs.517922	5.69	chr3	N/A	3	32.33
Hs.580307	5.69	chr2	N/A	3	51.40
Hs.562281	5.69	chr10	N/A	3	43.98
Hs.603662	5.69	chr8	N/A	7	50.20
Hs.597592	5.69	chr16	N/A	7	70.33
KIF18A	5.69	chr11	11p14.1	24	56.63
Hs.655617	5.69	chr2	N/A	14	47.79
Hs.734567	5.68	chr12	N/A	1	0.00
Hs.721332	5.68	chr12	N/A	1	0.00
Hs.659163	5.68	chr1	N/A	7	47.34
Hs.739551	5.68	chr1	N/A	3	17.09
GAS6-AS1	5.68	chr13	13q34	2	33.69
Hs.729282	5.68	chr14	N/A	2	49.99
Hs.587079	5.68	chr2	N/A	3	36.37
Hs.566567	5.68	chr6	N/A	2	23.28
ANKRD30A	5.68	chr10	10p11.21	25	50.65
Hs.248049	5.68	chr5	N/A	10	69.45
Hs.572122	5.68	chr11	N/A	3	25.75
Hs.668050	5.68	chr20	N/A	2	51.08
Hs.563845	5.68	chr1	N/A	3	26.57
Hs.548383	5.68	chr12	N/A	3	29.92
Hs.662432	5.68	chr1	N/A	7	37.03
Hs.545505	5.67	chr8	N/A	10	66.69
Hs.737992	5.67	chr17	N/A	1	0.00
OSTN	5.67	chr3	3q28	3	34.57
Hs.667202	5.67	chr3	N/A	7	65.94
Hs.667338	5.67	chr3	N/A	2	2.89
Hs.659472	5.67	chr10	N/A	9	49.69
Hs.656435	5.67	chr8	N/A	8	38.25
Hs.436054	5.67	chr6	N/A	7	97.64

Hs.593960	5.67	chr9	N/A	7	72.05
SAMD15	5.67	chr14	14q24.3	16	96.40
MIRLET7DHG	5.67	chr9	9q22.32	1	0.00
Hs.597507	5.67	chr10	N/A	3	33.37
Hs.666748	5.67	chr17	N/A	2	1.02
Hs.666654	5.67	chr18	N/A	5	48.50
Hs.569122	5.67	chr12	N/A	2	70.76
Hs.541326	5.67	chr19	N/A	7	40.61
Hs.655509	5.67	chr10	N/A	1	0.00
Hs.543973	5.66	chr5	N/A	3	53.38
Hs.665094	5.66	chr22	N/A	7	37.89
Hs.545390	5.66	chr8	N/A	3	52.85
Hs.105551	5.66	chr6	N/A	10	50.06
Hs.569082	5.66	chr12	N/A	2	43.27
Hs.614057	5.66	chr5	N/A	3	32.18
Hs.523975	5.66	chr11	N/A	3	21.08
Hs.49135	5.66	chr12	N/A	7	65.71
Hs.567086	5.66	chr9	N/A	3	66.91
Hs.580628	5.66	chr20	N/A	3	63.83
Hs.572355	5.66	chr15	N/A	3	33.12
Hs.720958	5.66	chr13	N/A	7	75.73
Hs.207572	5.66	chr2	N/A	3	43.19
Hs.541440	5.66	chr2	N/A	10	26.95
Hs.377348	5.66	chr12	N/A	3	60.49
Hs.582453	5.66	chr5	N/A	3	45.05
FLJ30838	5.65	chr2	2p16.1	9	44.86
Hs.565453	5.65	chr2	N/A	3	65.12
Hs.663352	5.65	chr12	N/A	5	127.51
Hs.545196	5.65	chr8	N/A	2	23.99
Hs.562142	5.65	chr1	N/A	2	45.31
Hs.545491	5.65	chr8	N/A	3	45.50
KRT26	5.65	chr17	17q21.2	19	86.72
Hs.597532	5.64	chr2	N/A	7	44.10
Hs.665338	5.64	chr6	N/A	7	60.23
Hs.669080	5.64	chr7	N/A	1	0.00
NXPE2	5.64	chr11	11q23.3	16	47.74
Hs.656727	5.64	chr10	N/A	7	20.42
IGKV1-5	5.64	chr2	2p12	5	30.44
Hs.47312	5.64	chr1	N/A	2	51.70
PRB2	5.64	chr12	12p13.2	18	65.40
Hs.672681	5.64	chr2	N/A	1	0.00
Hs.131192	5.64	chr3	N/A	7	43.36
Hs.537570	5.64	chr1	N/A	3	51.21
Hs.672188	5.64	chr17	N/A	10	24.89
Hs.409967	5.64	chr4	N/A	7	66.79
Hs.436827	5.64	chr7	N/A	3	45.01
Hs.670510	5.64	chr1	N/A	3	56.08
PROSER2-AS1	5.64	chr10	10p14	22	60.88
RPL34-AS1	5.64	chr4	4q25	14	84.18
Hs.676448	5.64	chr19	N/A	7	54.45
Hs.661640	5.64	chr13	N/A	1	0.00
Hs.666840	5.64	chr6	N/A	7	44.47
Hs.653675	5.64	chr13	N/A	25	98.33
LINC00317	5.64	chr21	21q21.1	11	36.43
Hs.666543	5.64	chr11	N/A	2	3.92
Hs.582545	5.63	chr5	N/A	3	16.45
DPPA4	5.63	chr3	3q13.13	19	58.80
Hs.553866	5.63	chr11	N/A	4	23.23
LOC285441	5.63	chr4	4q35.2	34	53.00
WDR96	5.63	chr10	10q25.1	77	94.52
Hs.639379	5.63	chr2	N/A	11	92.72
Hs.667648	5.63	chr2	N/A	2	18.60
Hs.156600	5.63	chr7	N/A	7	60.75
LOC339166	5.63	chr17	17p13.3-p13.2	1	0.00
Hs.622511	5.63	chr15	N/A	3	47.21
Hs.544906	5.63	chr7	N/A	3	46.19

Hs.624103	5.63	chr17	N/A	7	99.71
Hs.659560	5.63	chr1	N/A	7	60.87
LOC100129603	5.63	chr7	7p22.2	1	0.00
LCN9	5.63	chr9	9q34.3	6	41.93
Hs.333728	5.63	chr11	N/A	3	34.64
Hs.437415	5.63	chr6	N/A	4	77.31
LOC728716	5.63	chr1	1p36.32	12	44.08
Hs.545459	5.63	chr8	N/A	3	46.63
OR52E8	5.63	chr11	11p15.4	8	28.98
Hs.544271	5.63	chr5	N/A	3	25.71
Hs.464896	5.63	chr18	N/A	1	0.00
Hs.569569	5.63	chr16	N/A	1	0.00
Hs.667698	5.63	chr11	N/A	2	10.01
Hs.538765	5.62	chr11	N/A	7	25.43
Hs.594657	5.62	chr17	N/A	7	57.80
Hs.571467	5.62	chr8	N/A	10	58.10
Hs.563043	5.62	chr21	N/A	3	42.53
Hs.209165	5.62	chr3	N/A	3	41.28
SKCG-1	5.62	chr11	N/A	3	38.22
Hs.604121	5.62	chr1	N/A	2	57.34
Hs.658153	5.62	chrX	N/A	7	30.65
Hs.332649	5.62	chr6	N/A	1	0.00
Hs.543418	5.62	chr4	N/A	3	32.15
Hs.228474	5.62	chr21	N/A	1	0.00
Hs.378070	5.62	chr15	N/A	3	47.03
Hs.539192	5.62	chr12	N/A	7	57.91
Hs.606162	5.62	chr8	N/A	12	56.55
Hs.333288	5.62	chr4	N/A	3	19.42
Hs.666123	5.62	chr12	N/A	7	74.65
Hs.668201	5.61	chr1	N/A	7	46.67
Hs.348816	5.61	chr6	N/A	4	41.46
Hs.563233	5.61	chr4	N/A	3	25.67
Hs.541097	5.61	chr18	N/A	3	24.40
Hs.443281	5.61	chr19	N/A	3	40.99
Hs.549921	5.61	chr17	N/A	3	48.61
Hs.619480	5.61	chr6	N/A	3	60.74
Hs.668568	5.61	chr4	N/A	7	49.58
MPC1L	5.61	chrX	Xp11.4	3	42.77
CATSPER1	5.61	chr11	11q12.1	19	58.83
Hs.666676	5.61	chr18	N/A	2	29.51
Hs.120552	5.60	chr15	N/A	3	38.88
Hs.541677	5.60	chr2	N/A	3	34.23
Hs.648437	5.60	chr4	N/A	1	0.00
Hs.672399	5.60	chr6	N/A	10	57.62
ASIC5	5.60	chr4	4q32.1	17	37.00
Hs.547870	5.60	chr1	N/A	3	37.79
Hs.674001	5.60	chr14	N/A	1	0.00
Hs.557777	5.60	chr7	N/A	3	31.30
Hs.540215	5.60	chr15	N/A	3	33.52
Hs.649260	5.60	chr10	N/A	2	10.83
Hs.670768	5.60	chr5	N/A	1	0.00
Hs.585958	5.60	chr2	N/A	3	21.64
CCDC160	5.59	chrX	Xq26.2	1	0.00
Hs.444580	5.59	chr14	N/A	8	60.78
Hs.98358	5.59	chr3	N/A	7	52.54
LINC00398	5.59	chr13	N/A	3	50.91
Hs.540115	5.59	chr2	N/A	2	0.63
Hs.543571	5.59	chr4	N/A	3	60.67
Hs.658631	5.59	chr14	N/A	5	64.84
AKAP5	5.59	chr14	14q23.3	24	80.29
Hs.539658	5.59	chr13	N/A	3	25.42
Hs.645832	5.59	chr7	N/A	10	50.77
Hs.540062	5.59	chr14	N/A	3	5.87
Hs.663718	5.59	chr17	N/A	11	105.56
LINC00690	5.59	chr3	N/A	21	84.29
Hs.721063	5.59	chr9	N/A	1	0.00

Hs.622978	5.58	chr15	N/A	10	162.07
Hs.668598	5.58	chr6	N/A	1	0.00
Hs.46704	5.58	chr1	N/A	10	44.92
Hs.545592	5.58	chr9	N/A	3	43.70
LOC100505817	5.58	chr18	N/A	1	0.00
Hs.653493	5.58	chr16	N/A	8	25.81
Hs.130092	5.58	chr3	N/A	10	37.46
Hs.213501	5.58	chr14	N/A	1	0.00
Hs.574450	5.58	chr13	N/A	3	30.63
Hs.731461	5.58	chr7	N/A	5	103.26
Hs.693843	5.58	chr18	N/A	2	33.48
Hs.550194	5.58	chr6	N/A	3	44.45
Hs.662247	5.58	chr10	N/A	8	47.90
OR5212	5.58	chr11	11p15.4	6	35.93
Hs.677045	5.58	chr6	N/A	1	0.00
SNORD18B	5.58	chr15	15q22	3	35.11
Hs.56147	5.58	chrX	N/A	21	80.05
Hs.552162	5.57	chr9	N/A	1	0.00
Hs.546224	5.57	chrY	N/A	3	25.41
C10orf113	5.57	chr10	10p12.31	4	53.44
Hs.675283	5.57	chr7	N/A	3	84.53
Hs.602452	5.57	chr10	N/A	3	23.03
Hs.559708	5.57	chr1	N/A	4	19.65
Hs.573363	5.57	chr7	N/A	3	32.94
Hs.570528	5.57	chr3	N/A	1	0.00
Hs.710583	5.57	chr9	N/A	8	69.60
Hs.434284	5.57	chr7	N/A	3	46.20
Hs.113140	5.57	chr7	N/A	10	37.97
Hs.605701	5.57	chrX	N/A	3	42.84
Hs.623136	5.57	chr13	N/A	3	20.96
TAAR6	5.57	chr6	6q23.2	18	54.29
Hs.114035	5.57	chr11	N/A	10	43.05
Hs.539583	5.57	chr13	N/A	3	39.71
Hs.625409	5.57	chr5	N/A	3	6.92
Hs.666611	5.57	chr18	N/A	7	33.54
Hs.145940	5.57	chr11	N/A	7	21.21
TSRM	5.57	chr7	7q31.1	3	54.79
Hs.621594	5.57	chr9	N/A	3	36.38
Hs.334424	5.56	chr1	N/A	3	52.77
Hs.725519	5.56	chr3	N/A	7	52.08
Hs.545052	5.56	chr7	N/A	3	80.72
Hs.517052	5.56	chr20	N/A	7	52.40
LOC100507464	5.56	chr8	N/A	3	6.05
KCNAB1-AS1	5.56	chr3	N/A	2	49.93
Hs.661762	5.56	chr1	N/A	2	33.54
Hs.205182	5.56	chr5	N/A	3	57.37
Hs.741671	5.56	chr1	N/A	7	53.09
RAG2	5.56	chr11	11p13	25	131.36
Hs.591704	5.56	chr4	N/A	1	0.00
ADAMTS20	5.56	chr12	12q12	38	72.75
Hs.143316	5.56	chr3	N/A	1	0.00
Hs.581230	5.56	chr3	N/A	3	6.12
Hs.662571	5.56	chr15	N/A	1	0.00
Hs.556034	5.56	chr20	N/A	7	38.81
Hs.571424	5.56	chr8	N/A	17	42.10
Hs.128013	5.56	chr9	N/A	2	41.31
Hs.583167	5.56	chr7	N/A	7	18.77
Hs.583647	5.56	chr8	N/A	3	37.54
Hs.684475	5.55	chr2	N/A	11	98.35
OR5T1	5.55	chr11	11q12.1	3	53.01
Hs.635135	5.55	chr3	N/A	3	45.83
Hs.602867	5.55	chr11	N/A	3	28.17
Hs.150738	5.55	chr12	N/A	2	56.76
Hs.652241	5.55	chr10	N/A	7	33.38
LOC729296	5.55	chr20	20q13.33	9	37.50
Hs.49530	5.55	chr3	N/A	14	35.25

DNAJB7	5.55	chr22	22q13.2	21	63.79
Hs.650808	5.55	chr12	N/A	3	53.66
Hs.564500	5.55	chr12	N/A	3	14.56
Hs.566032	5.55	chr4	N/A	3	13.49
Hs.738692	5.55	chr2	N/A	3	24.71
Hs.268887	5.55	chr7	N/A	9	60.10
Hs.368249	5.55	chr12	N/A	2	19.81
Hs.659816	5.55	chr10	N/A	8	68.95
Hs.545847	5.55	chr9	N/A	3	29.44
Hs.737351	5.55	chr20	N/A	1	0.00
Hs.655726	5.55	chr12	N/A	7	65.04
Hs.669851	5.54	chr7	N/A	1	0.00
Hs.556696	5.54	chr18	N/A	3	19.50
Hs.435644	5.54	chr4	N/A	3	59.71
Hs.738911	5.54	chr4	N/A	3	47.64
LRIT2	5.54	chr10	10q23.1	13	82.58
Hs.551825	5.54	chr1	N/A	3	59.94
Hs.599527	5.54	chr13	N/A	7	106.26
Hs.578068	5.54	chr13	N/A	3	39.75
Hs.666835	5.54	chr7	N/A	2	19.76
Hs.147006	5.54	chr2	N/A	2	8.72
Hs.574134	5.54	chr14	N/A	3	46.97
Hs.128389	5.53	chr14	N/A	2	12.72
Hs.580926	5.53	chr21	N/A	3	47.68
Hs.437407	5.53	chr3	N/A	3	35.45
Hs.542947	5.53	chr3	N/A	3	22.56
Hs.533846	5.53	chr13	N/A	3	53.12
LINC00272	5.53	chr1	1q25.3	6	54.96
Hs.543729	5.53	chr4	N/A	3	31.62
Hs.639790	5.53	chr4	N/A	3	73.03
Hs.454101	5.53	chr9	N/A	3	28.20
Hs.661346	5.53	chr6	N/A	1	0.00
Hs.658601	5.53	chr14	N/A	8	17.48
OLFM3	5.53	chr1	1p22	20	61.36
Hs.202036	5.53	chr14	N/A	3	66.09
Hs.147835	5.53	chr18	N/A	2	18.38
Hs.680354	5.53	chr6	N/A	1	0.00
Hs.149838	5.53	chr5	N/A	7	53.88
Hs.562326	5.52	chr11	N/A	3	26.23
Hs.655740	5.52	chr18	N/A	7	55.04
Hs.633798	5.52	chr5	N/A	5	43.25
Hs.542214	5.52	chr2	N/A	3	60.21
Hs.127097	5.52	chr3	N/A	2	10.58
Hs.436047	5.52	chr11	N/A	1	0.00
Hs.582082	5.52	chr4	N/A	3	26.69
Hs.668023	5.52	chr13	N/A	2	3.09
Hs.635391	5.52	chr19	N/A	20	66.45
Hs.667623	5.52	chr3	N/A	2	9.57
Hs.561492	5.52	chr6	N/A	3	52.89
Hs.561970	5.52	chr9	N/A	3	27.14
Hs.572245	5.52	chr13	N/A	1	0.00
Hs.547766	5.52	chr7	N/A	1	0.00
HS3ST5	5.52	chr6	6q21	26	83.48
Hs.635091	5.52	chr5	N/A	2	7.71
LOC151121	5.52	chr2	2q21.1	4	22.84
Hs.542144	5.51	chr2	N/A	3	12.97
Hs.566887	5.51	chr8	N/A	3	24.84
Hs.371902	5.51	chr8	N/A	6	24.88
Hs.134779	5.51	chr7	N/A	7	67.23
FNDC7	5.51	chr1	1p13.3	17	57.81
Hs.566881	5.51	chr8	N/A	3	36.80
Hs.582729	5.51	chr6	N/A	3	56.32
LOC100216545	5.51	chr7	7q22.3	1	0.00
Hs.373429	5.51	chr4	N/A	7	49.47
LRRIQ4	5.51	chr3	3q26.2	3	44.83
LOC100128185	5.51	chr2	2p25.3	11	108.65

Hs.660067	5.51	chr7	N/A	7	80.58
Hs.604104	5.51	chr18	N/A	2	8.16
Hs.575949	5.51	chr1	N/A	3	29.00
Hs.577311	5.51	chr11	N/A	3	20.40
Hs.112795	5.51	chr5	N/A	7	43.16
Hs.593095	5.51	chr16	N/A	10	73.85
LOC729020	5.51	chr10	10q24.33	5	27.89
Hs.667184	5.51	chr14	N/A	2	10.12
LOC100506165	5.50	chr6	N/A	11	118.98
LINC00200	5.50	chr10	10p15.3	3	35.87
OR1D5	5.50	chr17	17p13.3	3	14.37
Hs.584304	5.50	chr9	N/A	3	60.91
TTY23B	5.50	chrY	Yp11.2	13	34.23
Hs.368913	5.50	chrY	N/A	2	1.18
Hs.594655	5.50	chr6	N/A	7	69.36
Hs.739515	5.50	chr2	N/A	3	27.17
Hs.667199	5.50	chr12	N/A	2	40.99
Hs.497583	5.49	chr14	N/A	3	34.91
DCAF8L1	5.49	chrX	Xp21.3	3	40.31
DEFB135	5.49	chr8	8p23.1	3	40.48
LOC100506325	5.49	chr17	N/A	1	0.00
Hs.732553	5.49	chr4	N/A	7	47.30
Hs.577963	5.49	chr13	N/A	3	39.20
Hs.620214	5.49	chr3	N/A	3	24.70
Hs.656597	5.49	chr6	N/A	8	39.16
Hs.738244	5.49	chr9	N/A	3	64.91
Hs.559586	5.49	chr1	N/A	3	19.16
Hs.552431	5.49	chr1	N/A	3	59.44
Hs.545754	5.49	chr9	N/A	3	11.05
Hs.656235	5.49	chr14	N/A	1	0.00
Hs.720310	5.49	chr11	N/A	10	32.30
Hs.324359	5.49	chr5	N/A	1	0.00
Hs.603537	5.49	chr22	N/A	7	56.35
Hs.622324	5.48	chr14	N/A	3	43.74
Hs.17892	5.48	chr15	N/A	11	50.69
Hs.629959	5.48	chr1	N/A	3	48.51
LIN28B	5.48	chr6	6q21	36	109.27
Hs.538779	5.48	chr11	N/A	3	30.71
LOC100652834	5.48	chr1	N/A	3	38.87
Hs.668194	5.48	chr6	N/A	7	77.22
Hs.660239	5.48	chr2	N/A	7	45.19
Hs.616778	5.48	chr3	N/A	1	0.00
Hs.520751	5.48	chr7	N/A	1	0.00
Hs.539634	5.48	chr13	N/A	3	59.52
Hs.638517	5.48	chr15	N/A	3	22.81
Hs.303719	5.48	chr4	N/A	3	44.14
Hs.580643	5.48	chr20	N/A	3	47.68
Hs.551967	5.48	chr17	N/A	1	0.00
Hs.666042	5.48	chr4	N/A	7	34.89
Hs.661964	5.48	chr10	N/A	1	0.00
Hs.539523	5.47	chr12	N/A	3	29.35
Hs.614759	5.47	chr19	N/A	7	53.67
LOC100505663	5.47	chr20	N/A	10	148.22
LOC100144595	5.47	chr2	N/A	10	103.32
Hs.673583	5.47	chr17	N/A	1	0.00
Hs.538727	5.47	chr11	N/A	3	10.31
Hs.580536	5.47	chr2	N/A	3	20.88
Hs.156946	5.47	chr3	N/A	7	38.15
LOC100130924	5.47	chr3	3p25.2	4	12.12
Hs.343799	5.47	chr2	N/A	3	44.40
Hs.572847	5.47	chr20	N/A	3	39.25
Hs.543799	5.47	chr5	N/A	3	52.26
Hs.655960	5.47	chr6	N/A	1	0.00
Hs.504633	5.47	chr20	N/A	7	71.45
Hs.543898	5.47	chr5	N/A	3	11.26
LOC100506499	5.47	chr14	N/A	2	19.99

C15orf53	5.47	chr15	15q14	6	38.42
Hs.441078	5.47	chr14	N/A	8	16.92
Hs.542115	5.47	chr2	N/A	3	69.60
Hs.147485	5.47	chr3	N/A	6	37.73
Hs.120257	5.46	chr1	N/A	3	42.49
Hs.663663	5.46	chr1	N/A	8	33.99
Hs.680105	5.46	chr11	N/A	1	0.00
Hs.722300	5.46	chrX	N/A	3	41.67
LRRD1	5.46	chr7	7q21.2	1	0.00
Hs.659454	5.46	chr16	N/A	2	57.41
Hs.666741	5.46	chr7	N/A	2	21.20
Hs.582467	5.46	chr5	N/A	3	60.53
Hs.710550	5.46	chr1	N/A	1	0.00
Hs.545539	5.46	chr8	N/A	3	7.35
Hs.657125	5.46	chr3	N/A	7	48.16
Hs.591058	5.46	chr18	N/A	3	27.70
Hs.655910	5.46	chr21	N/A	3	28.43
Hs.653481	5.46	chr14	N/A	8	23.15
Hs.663607	5.46	chr1	N/A	1	0.00
Hs.581850	5.46	chr4	N/A	3	35.32
Hs.478363	5.46	chr3	N/A	11	69.80
Hs.544019	5.46	chr5	N/A	3	35.51
Hs.604631	5.46	chr1	N/A	7	45.50
Hs.540338	5.45	chr15	N/A	3	19.31
Hs.582434	5.45	chr5	N/A	3	49.39
Hs.668278	5.45	chr14	N/A	2	18.15
Hs.665019	5.45	chr13	N/A	1	0.00
Hs.543115	5.45	chr3	N/A	3	36.10
Hs.542594	5.45	chr21	N/A	3	15.55
Hs.604372	5.45	chr15	N/A	7	55.48
Hs.575022	5.45	chr3	N/A	8	60.78
PLEKHS1	5.45	chr10	10q25.3	35	93.91
Hs.544845	5.45	chr7	N/A	3	31.67
Hs.580920	5.45	chr21	N/A	3	46.80
Hs.729106	5.45	chr14	N/A	7	54.85
CDKN2B-AS1	5.45	chr9	9p21.3	4	19.93
LOC100996462	5.45	chr8	N/A	11	116.57
Hs.570119	5.45	chr2	N/A	1	0.00
Hs.538130	5.45	chr1	N/A	3	24.48
Hs.528065	5.45	chr7	N/A	3	45.55
Hs.551651	5.44	chr11	N/A	1	0.00
Hs.540974	5.44	chr18	N/A	3	62.65
SPATA13-AS1	5.44	chr13	N/A	3	48.78
Hs.658803	5.44	chr8	N/A	8	35.55
Hs.538706	5.44	chr11	N/A	3	66.78
Hs.565065	5.44	chr17	N/A	3	33.87
CBLC	5.44	chr19	19q13.2	19	79.49
Hs.151207	5.44	chr8	N/A	2	17.55
Hs.564694	5.44	chr14	N/A	3	35.21
Hs.544346	5.44	chr6	N/A	3	67.25
Hs.666164	5.44	chr21	N/A	7	53.34
Hs.664642	5.44	chr6	N/A	2	29.29
PCDHGB6	5.44	chr5	5q31	5	28.47
LOC728543	5.44	chr12	12q24.13	4	60.68
Hs.669006	5.44	chr12	N/A	2	54.46
Hs.568304	5.44	chr5	N/A	2	13.78
Hs.129167	5.44	chr3	N/A	11	47.98
MSGN1	5.44	chr2	2p24.2	3	29.72
Hs.130956	5.44	chr8	N/A	10	37.68
Hs.653689	5.43	chr6	N/A	7	48.21
Hs.134082	5.43	chr8	N/A	3	80.82
Hs.734046	5.43	chr22	N/A	1	0.00
Hs.130662	5.43	chr13	N/A	2	17.70
Hs.685033	5.43	chr15	N/A	1	0.00
Hs.539031	5.43	chr11	N/A	3	31.58
Hs.562668	5.43	chr16	N/A	3	52.63

Hs.464966	5.43	chr18	N/A	3	7.18
Hs.564398	5.43	chr12	N/A	3	38.31
Hs.527607	5.43	chr1	N/A	1	0.00
OR14A16	5.43	chr1	1q44	6	17.73
Hs.581707	5.43	chr4	N/A	3	13.39
Hs.519932	5.43	chr6	N/A	2	24.32
Hs.542831	5.43	chr3	N/A	7	47.38
Hs.560007	5.43	chr12	N/A	3	71.85
Hs.583373	5.43	chr7	N/A	3	44.88
Hs.649356	5.43	chr4	N/A	7	66.14
Hs.557918	5.43	chr10	N/A	3	21.15
KLHL33	5.43	chr14	14q11.2	2	55.26
Hs.543113	5.42	chr3	N/A	3	20.54
Hs.553479	5.42	chr3	N/A	3	26.04
Hs.639279	5.42	chr15	N/A	3	27.63
Hs.667335	5.42	chr6	N/A	2	45.15
Hs.568133	5.42	chr16	N/A	3	37.97
Hs.580695	5.42	chr20	N/A	2	30.07
Hs.365088	5.42	chr3	N/A	3	20.91
Hs.116333	5.42	chr11	N/A	3	39.61
Hs.662795	5.42	chrX	N/A	7	53.89
Hs.98458	5.42	chr4	N/A	7	29.02
LOC100128198	5.42	chr21	21q22.11	9	78.12
Hs.385587	5.42	chr13	N/A	1	0.00
Hs.575589	5.42	chr8	N/A	3	55.29
Hs.147293	5.42	chr9	N/A	8	41.73
Hs.579501	5.41	chr18	N/A	3	43.01
Hs.543946	5.41	chr5	N/A	3	30.84
Hs.710697	5.41	chr6	N/A	10	102.43
Hs.551019	5.41	chr22	N/A	3	37.80
Hs.408316	5.41	chr6	N/A	10	37.34
Hs.563649	5.41	chrX	N/A	3	31.81
Hs.185918	5.41	chr11	N/A	11	62.21
Hs.566922	5.41	chr8	N/A	3	36.65
Hs.539900	5.41	chr14	N/A	6	21.30
Hs.632037	5.41	chr8	N/A	10	122.01
Hs.439050	5.41	chr4	N/A	3	32.38
Hs.552885	5.41	chr11	N/A	3	39.03
Hs.12799	5.41	chr9	N/A	4	31.85
Hs.435757	5.40	chr17	N/A	8	37.70
Hs.583327	5.40	chr7	N/A	3	34.87
LINC00687	5.40	chr20	20p12.2	2	49.98
Hs.583910	5.40	chr8	N/A	3	41.90
Hs.666370	5.40	chr5	N/A	7	72.21
Hs.573580	5.40	chrX	N/A	3	19.98
OR2T8	5.40	chr1	1q44	13	38.27
Hs.666702	5.40	chr14	N/A	2	41.61
Hs.282467	5.40	chr10	N/A	3	8.28
Hs.545646	5.40	chr9	N/A	3	39.20
Hs.620767	5.40	chr13	N/A	10	17.00
Hs.640564	5.40	chr13	N/A	3	29.91
Hs.637459	5.40	chr19	N/A	1	0.00
Hs.146040	5.40	chr14	N/A	1	0.00
Hs.264236	5.40	chr5	N/A	16	61.91
Hs.600862	5.40	chr3	N/A	7	44.38
Hs.601050	5.40	chrX	N/A	7	44.50
Hs.664844	5.39	chr1	N/A	7	41.18
Hs.545746	5.39	chr9	N/A	3	25.38
Hs.657231	5.39	chr6	N/A	1	0.00
Hs.333264	5.39	chr3	N/A	3	17.09
Hs.668399	5.39	chr2	N/A	7	47.30
Hs.733277	5.39	chr2	N/A	7	61.85
Hs.544032	5.39	chr5	N/A	10	25.72
C12orf42	5.39	chr12	12q23.2	35	86.83
Hs.540557	5.39	chr16	N/A	3	60.35
Hs.176109	5.39	chr15	N/A	8	31.06

Hs.690345	5.39	chr15	N/A	10	44.56
Hs.440588	5.39	chr12	N/A	1	0.00
Hs.635235	5.39	chr1	N/A	3	38.30
Hs.603108	5.39	chr15	N/A	3	37.99
Hs.216652	5.39	chr3	N/A	3	15.96
LOC100129029	5.39	chr2	2q24.1	1	0.00
Hs.742329	5.39	chrX	N/A	3	68.47
DSCR9	5.39	chr21	21q22.13	24	77.30
LOC100133106	5.39	chr5	5q35.1	10	139.19
Hs.603599	5.38	chr6	N/A	7	53.47
Hs.197031	5.38	chr8	N/A	3	71.80
Hs.147671	5.38	chr15	N/A	5	40.72
Hs.318860	5.38	chr3	N/A	3	25.36
Hs.259927	5.38	chr17	N/A	14	50.71
Hs.600017	5.38	chr2	N/A	1	0.00
Hs.580814	5.38	chr20	N/A	3	13.38
ACTL10	5.38	chr20	20q11.22	6	101.98
Hs.553132	5.38	chr6	N/A	3	42.17
Hs.557879	5.38	chr1	N/A	3	18.80
Hs.548126	5.38	chr6	N/A	3	50.06
Hs.665470	5.38	chr15	N/A	3	20.46
Hs.599739	5.38	chr1	N/A	14	88.95
Hs.571535	5.38	chr8	N/A	3	33.27
Hs.444964	5.38	chr3	N/A	7	69.02
RPTN	5.38	chr1	1q21.3	16	32.91
C1orf185	5.38	chr1	1p32.3	5	55.64
Hs.128594	5.38	chr3	N/A	2	72.71
Hs.604483	5.37	chr10	N/A	7	47.13
MAGEA2	5.37	chrX	Xq28	21	57.31
Hs.543712	5.37	chr4	N/A	3	38.98
Hs.191956	5.37	chr7	N/A	7	56.25
Hs.17558	5.37	chr7	N/A	3	35.30
Hs.528201	5.37	chr3	N/A	3	28.79
ESRG	5.37	chr3	3p14.3	1	0.00
Hs.583908	5.37	chr8	N/A	3	33.91
LOC100130458	5.37	chr9	9p13.2	8	89.10
LOC100507634	5.37	chr1	1p32.3	2	1.84
Hs.634773	5.37	chr6	N/A	3	27.03
Hs.71617	5.37	chr7	N/A	7	52.03
Hs.210364	5.37	chr2	N/A	10	60.94
Hs.561704	5.37	chr7	N/A	4	72.56
Hs.661494	5.37	chr10	N/A	11	60.75
Hs.565310	5.37	chr2	N/A	3	12.90
Hs.545468	5.36	chr8	N/A	3	33.41
Hs.127406	5.36	chr1	N/A	2	26.44
SNORD43	5.36	chr22	22q13	3	10.01
Hs.666385	5.36	chr22	N/A	7	28.14
Hs.657611	5.36	chr2	N/A	8	67.92
Hs.578993	5.36	chr16	N/A	3	34.21
Hs.566804	5.36	chr8	N/A	3	42.03
Hs.577474	5.36	chr12	N/A	3	3.46
Hs.48388	5.36	chr4	N/A	7	95.77
Hs.195044	5.36	chr12	N/A	3	76.49
Hs.577347	5.36	chr11	N/A	3	42.49
Hs.543377	5.36	chr4	N/A	3	11.32
Hs.734328	5.36	chr5	N/A	3	82.41
Hs.671236	5.36	chr9	N/A	5	49.43
Hs.662047	5.36	chrX	N/A	1	0.00
OR4L1	5.36	chr14	14q11.2	6	33.22
SSX8	5.36	chrX	Xp11.23	13	137.08
ANKRD62	5.36	chr18	18p11.21	13	105.80
Hs.543411	5.36	chr4	N/A	3	24.92
Hs.654934	5.36	chr14	N/A	10	22.44
SALL1	5.36	chr16	16q12.1	24	48.11
Hs.603371	5.36	chr9	N/A	2	58.83
Hs.518418	5.35	chr3	N/A	3	39.02

LOC389043	5.35	chr2	2q21.1	18	53.93
Hs.602209	5.35	chr8	N/A	7	74.83
Hs.680439	5.35	chr17	N/A	1	0.00
Hs.602961	5.35	chr17	N/A	10	48.77
Hs.738191	5.35	chr5	N/A	3	24.11
Hs.523319	5.35	chr10	N/A	3	46.86
Hs.410179	5.35	chr8	N/A	3	43.67
Hs.551147	5.35	chr9	N/A	3	20.77
Hs.602921	5.35	chr2	N/A	7	90.39
Hs.540068	5.35	chr6	N/A	3	66.78
Hs.112889	5.35	chr1	N/A	10	39.62
Hs.574305	5.35	chr16	N/A	13	38.92
Hs.552409	5.35	chr16	N/A	3	29.03
Hs.666234	5.35	chr3	N/A	7	30.94
Hs.436880	5.35	chr5	N/A	1	0.00
Hs.676195	5.35	chr16	N/A	1	0.00
Hs.669924	5.35	chr8	N/A	1	0.00
Hs.653786	5.34	chr13	N/A	3	35.25
Hs.134473	5.34	chr22	N/A	7	19.66
COL18A1-AS1	5.34	chr21	21q22.3	4	35.36
DCDC1	5.34	chr11	11p13	18	59.91
LINC00659	5.34	chr20	N/A	1	0.00
Hs.601825	5.34	chr4	N/A	1	0.00
Hs.594609	5.34	chr19	N/A	1	0.00
C11orf87	5.34	chr11	11q22.3	26	75.17
Hs.657549	5.34	chr9	N/A	1	0.00
Hs.739405	5.34	chr2	N/A	3	35.52
Hs.602748	5.34	chr2	N/A	7	65.97
LOC100133746	5.34	chr15	N/A	10	160.31
Hs.576997	5.34	chr11	N/A	3	22.80
Hs.636045	5.33	chr4	N/A	1	0.00
Hs.578795	5.33	chr16	N/A	3	47.91
Hs.650402	5.33	chr1	N/A	3	14.70
Hs.580459	5.33	chr2	N/A	3	24.63
LOC339822	5.33	chr2	2p25.3	1	0.00
Hs.542830	5.33	chr3	N/A	2	63.67
SNORA21	5.33	chr17	17q12	5	41.88
Hs.22469	5.33	chr10	N/A	10	52.92
LOC100272217	5.32	chr9	N/A	2	11.07
LOC645769	5.32	chrX	Xp22.2	6	48.24
Hs.702340	5.32	chr14	N/A	7	44.71
Hs.670807	5.32	chr16	N/A	1	0.00
Hs.662310	5.32	chr11	N/A	7	34.93
Hs.664769	5.32	chr8	N/A	7	33.33
Hs.131210	5.32	chr8	N/A	7	37.85
LZTS1-AS1	5.32	chr8	N/A	1	0.00
LCE1B	5.32	chr1	1q21.3	17	79.85
Hs.735743	5.32	chr12	N/A	2	10.99
Hs.545184	5.32	chr7	N/A	3	8.59
Hs.564777	5.32	chr15	N/A	3	28.53
LOC100134317	5.31	chr19	19q13.12	2	62.06
Hs.541345	5.31	chr19	N/A	3	31.37
Hs.663733	5.31	chr7	N/A	7	89.92
Hs.516344	5.31	chr2	N/A	3	50.58
Hs.664047	5.31	chr17	N/A	1	0.00
Hs.665093	5.31	chr5	N/A	7	74.35
Hs.537717	5.31	chr1	N/A	3	52.61
Hs.563570	5.31	chr8	N/A	3	27.92
Hs.388202	5.31	chr2	N/A	3	51.91
Hs.312050	5.31	chr6	N/A	3	26.60
Hs.684017	5.31	chr8	N/A	1	0.00
Hs.389441	5.31	chr17	N/A	1	0.00
Hs.580556	5.31	chr2	N/A	3	70.08
Hs.565864	5.31	chr3	N/A	3	46.97
CLEC2A	5.31	chr12	12p13.31	3	44.75
Hs.331243	5.31	chr15	N/A	7	58.12

ZRANB2-AS1	5.30	chr1	1p31.1	1	0.00
Hs.562098	5.30	chr1	N/A	5	42.83
Hs.694007	5.30	chr20	N/A	1	0.00
LOC100506413	5.30	chr7	N/A	1	0.00
Hs.547593	5.30	chr22	N/A	2	41.16
Hs.538483	5.30	chr10	N/A	5	57.58
Hs.734300	5.30	chr20	N/A	3	88.20
Hs.566877	5.30	chr8	N/A	3	14.96
Hs.636867	5.30	chr7	N/A	10	57.33
Hs.334181	5.30	chr21	N/A	1	0.00
Hs.201826	5.30	chr6	N/A	3	6.62
Hs.667779	5.30	chr17	N/A	2	43.21
Hs.542941	5.30	chr3	N/A	3	50.27
Hs.669865	5.30	chr17	N/A	1	0.00
Hs.664015	5.30	chr6	N/A	7	67.07
Hs.81529	5.30	chr3	N/A	1	0.00
Hs.710808	5.30	chr10	N/A	1	0.00
Hs.582854	5.29	chr6	N/A	3	48.18
Hs.223984	5.29	chr13	N/A	3	52.56
Hs.679144	5.29	chr17	N/A	1	0.00
TTY9A	5.29	chrY	Yq11.222	23	114.79
ZNF705A	5.29	chr12	12p13.31	6	46.35
Hs.604584	5.29	chr4	N/A	3	41.73
Hs.742066	5.29	chr12	N/A	1	0.00
Hs.546001	5.29	chrX	N/A	3	16.59
Hs.565546	5.29	chr2	N/A	3	38.19
DEFB121	5.29	chr20	20q11.1	4	22.56
PCA3	5.29	chr9	9q21.2	9	65.64
Hs.49962	5.29	chr4	N/A	3	17.16
Hs.119921	5.29	chr21	N/A	10	20.97
Hs.721169	5.29	chr8	N/A	1	0.00
Hs.445233	5.29	chr9	N/A	8	39.30
Hs.44287	5.29	chr6	N/A	3	54.86
SSX7	5.29	chrX	Xp11.23	13	73.03
Hs.62716	5.29	chr14	N/A	10	42.51
Hs.667516	5.29	chr21	N/A	2	10.78
OR13H1	5.28	chrX	Xq26.2	6	53.89
Hs.549487	5.28	chr13	N/A	3	47.80
EGFLAM-AS4	5.28	chr5	5p13.2	1	0.00
Hs.565058	5.28	chr17	N/A	3	68.13
Hs.652584	5.28	chr17	N/A	7	26.93
Hs.129625	5.28	chr18	N/A	14	48.74
Hs.560019	5.28	chr12	N/A	19	63.04
Hs.568557	5.28	chr1	N/A	7	31.56
Hs.152655	5.28	chr6	N/A	3	37.67
Hs.581376	5.28	chr3	N/A	3	67.29
Hs.541371	5.28	chr19	N/A	3	13.75
Hs.537785	5.28	chr1	N/A	3	25.08
LYPD8	5.27	chr1	1q44	15	55.50
OTX2-AS1	5.27	chr14	N/A	1	0.00
Hs.201755	5.27	chr6	N/A	3	26.16
Hs.733616	5.27	chr2	N/A	1	0.00
Hs.127491	5.27	chr8	N/A	7	59.54
Hs.602492	5.27	chr7	N/A	2	34.74
Hs.733573	5.27	chr11	N/A	8	53.77
Hs.540169	5.27	chr15	N/A	7	49.16
Hs.702884	5.27	chr4	N/A	7	98.55
Hs.297256	5.27	chr3	N/A	3	15.37
Hs.560991	5.27	chr20	N/A	7	37.68
Hs.126715	5.27	chr9	N/A	2	45.30
TM4SF20	5.27	chr2	2q36.3	21	67.96
Hs.544171	5.27	chr5	N/A	5	45.29
LINC00656	5.27	chr20	20p11.21	3	28.03
OR4A16	5.26	chr11	11q11	3	19.80
Hs.22637	5.26	chr21	N/A	10	82.72
Hs.713936	5.26	chr12	N/A	10	29.98

Hs.635570	5.26	chr11	N/A	1	0.00
Hs.709605	5.26	chr10	N/A	1	0.00
Hs.339290	5.26	chr22	N/A	4	78.90
Hs.593547	5.26	chr7	N/A	1	0.00
Hs.687145	5.26	chr6	N/A	5	47.42
Hs.559293	5.26	chr19	N/A	1	0.00
Hs.545697	5.26	chr9	N/A	3	27.99
Hs.122434	5.26	chr12	N/A	2	2.46
Hs.600729	5.25	chr6	N/A	7	88.69
Hs.541590	5.25	chr2	N/A	3	68.20
Hs.734246	5.25	chr1	N/A	2	35.11
Hs.441581	5.25	chr11	N/A	3	29.93
MGC15885	5.25	chr15	15q22.2	14	86.20
Hs.310020	5.25	chr2	N/A	3	16.90
Hs.562418	5.25	chr12	N/A	3	50.75
Hs.538452	5.25	chr10	N/A	3	38.88
Hs.542610	5.25	chr21	N/A	3	50.47
SCARNA2	5.25	chr1	1q13.1	1	0.00
Hs.682261	5.25	chrX	N/A	3	52.24
Hs.676087	5.25	chr17	N/A	1	0.00
Hs.567014	5.25	chr9	N/A	3	53.34
Hs.144740	5.25	chr2	N/A	8	32.37
TRPC5OS	5.25	chrX	N/A	16	73.74
Hs.618995	5.25	chr12	N/A	1	0.00
Hs.710654	5.24	chr2	N/A	3	31.94
Hs.304781	5.24	chr2	N/A	12	34.30
Hs.371839	5.24	chr13	N/A	1	0.00
Hs.542968	5.24	chr3	N/A	3	34.51
Hs.550717	5.24	chr3	N/A	2	29.30
Hs.583869	5.24	chr8	N/A	3	16.43
Hs.544426	5.24	chr6	N/A	3	13.90
Hs.541088	5.24	chr18	N/A	3	15.92
Hs.664615	5.24	chr10	N/A	7	32.59
Hs.664635	5.24	chr3	N/A	7	14.55
Hs.655919	5.24	chr20	N/A	8	63.59
Hs.133897	5.24	chr8	N/A	7	29.17
Hs.145141	5.24	chr4	N/A	2	13.24
Hs.726575	5.24	chr19	N/A	1	0.00
C5orf48	5.24	chr5	5q23.2	14	79.63
C12orf40	5.23	chr12	12q12	34	78.39
Hs.147089	5.23	chr9	N/A	3	22.05
Hs.667632	5.23	chr6	N/A	3	6.83
Hs.543611	5.23	chr4	N/A	3	63.17
Hs.560957	5.23	chr2	N/A	1	0.00
LOC100128787	5.23	chr1	1p21.2	14	72.31
Hs.147598	5.23	chr12	N/A	2	32.95
PRR21	5.23	chr2	2q37.3	2	2.36
Hs.602905	5.23	chr4	N/A	2	17.48
Hs.733934	5.23	chr1	N/A	7	30.23
Hs.602305	5.23	chr17	N/A	2	38.62
Hs.131229	5.23	chr2	N/A	3	16.32
Hs.580205	5.22	chr2	N/A	3	17.89
LOC729995	5.22	chr6	6q27	2	15.93
Hs.635700	5.22	chr18	N/A	1	0.00
Hs.662884	5.22	chr15	N/A	5	60.19
Hs.576924	5.22	chr11	N/A	3	34.50
Hs.582621	5.22	chr6	N/A	3	21.03
Hs.435309	5.22	chr9	N/A	2	43.76
Hs.602775	5.22	chr10	N/A	2	8.71
Hs.662106	5.22	chr2	N/A	7	28.15
Hs.516916	5.22	chr20	N/A	3	46.83
LOC729324	5.22	chr2	2p14	1	0.00
LOC100507468	5.21	chr7	N/A	14	40.41
Hs.566560	5.21	chr6	N/A	3	38.61
Hs.678264	5.21	chr19	N/A	1	0.00
KRTAP5-2	5.21	chr11	11p15.5	3	70.93

Hs.180696	5.21	chr3	N/A	7	46.37
Hs.639773	5.21	chr8	N/A	3	23.81
Hs.541031	5.21	chr18	N/A	3	56.32
Hs.576533	5.21	chr1	N/A	3	40.68
Hs.545747	5.21	chr9	N/A	3	46.35
Hs.697100	5.21	chr12	N/A	2	43.55
SCN1A	5.21	chr2	2q24.3	21	61.28
Hs.657556	5.21	chr7	N/A	1	0.00
OR5H6	5.21	chr3	3q12.1	3	21.88
Hs.547951	5.21	chr12	N/A	3	20.76
Hs.604690	5.21	chr12	N/A	7	65.94
H2BFWT	5.21	chrX	Xq22.2	5	59.40
Hs.99122	5.21	chr8	N/A	3	57.38
Hs.434944	5.21	chr7	N/A	4	25.11
Hs.546149	5.20	chrX	N/A	7	46.87
Hs.202388	5.20	chr16	N/A	1	0.00
Hs.46772	5.20	chr5	N/A	3	69.05
Hs.651263	5.20	chr3	N/A	7	44.49
Hs.603353	5.20	chr1	N/A	3	74.09
Hs.446118	5.20	chr6	N/A	2	52.68
Hs.674409	5.20	chr9	N/A	11	19.05
Hs.570204	5.20	chr2	N/A	3	28.78
LOC647983	5.20	chr18	18p11.21	3	39.18
Hs.434884	5.20	chr21	N/A	3	23.51
Hs.545835	5.20	chr9	N/A	5	22.34
Hs.587360	5.20	chr6	N/A	3	35.83
Hs.611630	5.20	chr20	N/A	1	0.00
Hs.446265	5.20	chr16	N/A	7	46.76
Hs.578444	5.19	chr15	N/A	3	33.71
Hs.147700	5.19	chr1	N/A	3	53.31
Hs.458124	5.19	chr9	N/A	1	0.00
Hs.733362	5.19	chr5	N/A	7	61.35
Hs.658777	5.19	chr7	N/A	7	73.24
Hs.542809	5.19	chr3	N/A	3	36.08
Hs.543794	5.19	chr5	N/A	1	0.00
Hs.656714	5.19	chr6	N/A	7	70.92
Hs.193605	5.19	chr1	N/A	3	23.42
Hs.735030	5.19	chr17	N/A	3	38.59
Hs.545555	5.19	chr8	N/A	3	39.96
Hs.657584	5.19	chr3	N/A	7	52.98
Hs.538185	5.19	chr1	N/A	3	47.07
Hs.211047	5.19	chr17	N/A	3	38.71
Hs.435988	5.19	chr3	N/A	5	29.02
Hs.154601	5.19	chr18	N/A	3	50.66
C9orf170	5.18	chr9	9q21.33	6	41.17
Hs.253235	5.18	chr8	N/A	3	21.08
Hs.635629	5.18	chr12	N/A	1	0.00
Hs.584617	5.18	chrX	N/A	3	43.54
Hs.635241	5.18	chr1	N/A	2	9.47
Hs.546166	5.18	chrX	N/A	3	50.52
Hs.628261	5.18	chr3	N/A	10	33.70
Hs.131187	5.18	chr4	N/A	10	29.79
Hs.134057	5.18	chr17	N/A	1	0.00
Hs.607412	5.18	chr11	N/A	1	0.00
Hs.666948	5.18	chr16	N/A	2	73.21
Hs.670533	5.18	chr10	N/A	5	88.79
Hs.543975	5.18	chr5	N/A	3	54.98
Hs.599228	5.18	chr1	N/A	1	0.00
Hs.157606	5.18	chr5	N/A	3	70.72
Hs.126452	5.18	chr2	N/A	7	25.22
Hs.560876	5.18	chr2	N/A	3	40.55
Hs.657530	5.18	chr11	N/A	3	63.28
Hs.538079	5.18	chr1	N/A	3	46.30
WTH3DI	5.18	chr2	2q21.1	3	13.18
Hs.580189	5.17	chr2	N/A	3	15.59
Hs.639112	5.17	chr18	N/A	1	0.00

Hs.161140	5.17	chr13	N/A	3	9.80
Hs.572754	5.17	chr2	N/A	3	22.05
Hs.733834	5.17	chr16	N/A	7	46.46
Hs.566085	5.17	chr4	N/A	3	33.17
Hs.601147	5.17	chr19	N/A	7	80.78
OR52A4	5.17	chr11	11p15.4	6	46.77
Hs.702467	5.17	chr10	N/A	1	0.00
Hs.323590	5.17	chr3	N/A	3	52.05
Hs.389751	5.17	chr9	N/A	3	27.92
Hs.733798	5.17	chr1	N/A	1	0.00
Hs.559151	5.17	chr10	N/A	4	54.28
Hs.698373	5.17	chr7	N/A	3	35.38
LOC100129112	5.17	chr17	17q23.2	1	0.00
GLT6D1	5.17	chr9	9q34.3	6	11.48
Hs.146597	5.17	chr10	N/A	7	26.96
Hs.572348	5.17	chr15	N/A	3	46.56
Hs.744102	5.17	chr14	N/A	8	12.91
LOC648570	5.17	chr9	9p22.2	3	60.72
Hs.382926	5.17	chr12	N/A	1	0.00
Hs.744670	5.17	chr17	N/A	1	0.00
Hs.666091	5.17	chr3	N/A	2	20.88
Hs.545651	5.17	chr9	N/A	5	19.31
Hs.12548	5.17	chr3	N/A	4	60.21
Hs.306690	5.17	chr3	N/A	3	34.45
Hs.545811	5.17	chr9	N/A	3	46.97
Hs.638371	5.16	chr17	N/A	3	34.59
Hs.582223	5.16	chr5	N/A	3	52.04
Hs.667146	5.16	chr11	N/A	2	52.43
Hs.564310	5.16	chr11	N/A	3	36.86
Hs.582502	5.16	chr5	N/A	3	31.44
Hs.130344	5.16	chr9	N/A	7	35.88
Hs.538132	5.16	chr1	N/A	7	60.27
Hs.389855	5.16	chr2	N/A	11	125.32
Hs.580497	5.16	chr2	N/A	3	42.71
Hs.558267	5.16	chr5	N/A	3	32.45
Hs.578332	5.16	chr14	N/A	3	23.66
Hs.603558	5.15	chr3	N/A	3	73.16
Hs.563405	5.15	chr6	N/A	3	53.19
Hs.541131	5.15	chr18	N/A	3	51.48
Hs.662526	5.15	chr8	N/A	1	0.00
HOTAIR	5.15	chr12	12q13.13	14	62.16
PRR25	5.15	chr16	16p13.3	3	56.75
LOC285692	5.15	chr5	5p15.31	5	34.32
Hs.127861	5.15	chr6	N/A	7	37.87
SNAR-G1	5.15	chr19	19q13.33	3	29.08
Hs.672794	5.15	chr19	N/A	5	24.37
Hs.128936	5.15	chr7	N/A	10	67.75
Hs.640535	5.14	chr3	N/A	3	5.74
FAM177B	5.14	chr1	1q41	3	24.90
Hs.224189	5.14	chr11	N/A	4	38.65
Hs.201443	5.14	chr10	N/A	3	3.54
Hs.129963	5.14	chr9	N/A	10	82.56
Hs.127351	5.14	chr3	N/A	3	46.22
Hs.676049	5.14	chr5	N/A	1	0.00
Hs.570630	5.14	chr3	N/A	4	20.53
Hs.564724	5.14	chr14	N/A	3	43.28
Hs.595302	5.14	chr17	N/A	11	137.62
Hs.368451	5.14	chr1	N/A	3	40.44
Hs.275545	5.14	chr1	N/A	3	33.63
MMP20	5.14	chr11	11q22.3	26	66.58
OR2T27	5.14	chr1	1q44	3	41.41
Hs.540281	5.13	chr15	N/A	3	37.58
Hs.636812	5.13	chr1	N/A	3	40.36
Hs.584301	5.13	chr9	N/A	10	23.63
Hs.732452	5.13	chr1	N/A	2	59.37
LOC100505622	5.13	chr19	N/A	18	80.94

Hs.582980	5.13	chr6	N/A	3	12.04
Hs.584077	5.13	chr9	N/A	3	33.30
Hs.544440	5.13	chr6	N/A	3	1.99
Hs.547378	5.13	chr12	N/A	7	100.04
Hs.580181	5.13	chr2	N/A	3	27.20
Hs.577365	5.13	chr11	N/A	3	36.25
Hs.565382	5.13	chr2	N/A	3	22.86
Hs.603477	5.12	chr16	N/A	2	37.70
Hs.566337	5.12	chr5	N/A	3	44.12
Hs.605373	5.12	chr15	N/A	7	46.73
Hs.602090	5.12	chr5	N/A	2	28.55
LOC100506329	5.12	chr5	N/A	3	46.36
Hs.538928	5.12	chr11	N/A	3	13.45
Hs.333059	5.12	chr8	N/A	2	40.96
Hs.334097	5.12	chr4	N/A	3	33.79
Hs.543718	5.12	chr4	N/A	3	42.10
C1orf101	5.12	chr1	1q44	24	84.33
Hs.582489	5.12	chr5	N/A	3	36.55
LOC100287166	5.12	chr20	20p11.23	11	43.45
Hs.673558	5.12	chr15	N/A	2	46.19
Hs.594168	5.12	chr12	N/A	7	53.76
Hs.576048	5.12	chr1	N/A	3	59.70
DYDC1	5.11	chr10	10q23.1	27	58.45
Hs.666230	5.11	chr9	N/A	11	21.20
Hs.128085	5.11	chrY	N/A	7	39.52
Hs.497442	5.11	chr14	N/A	3	41.55
Hs.543724	5.11	chr4	N/A	3	34.62
Hs.523076	5.11	chr1	N/A	3	10.72
Hs.308629	5.11	chr3	N/A	1	0.00
Hs.131087	5.11	chr3	N/A	7	53.65
LOC285819	5.11	chr6	6p22.1	8	83.48
Hs.655962	5.11	chr13	N/A	7	62.93
Hs.603507	5.11	chr7	N/A	2	13.68
Hs.562272	5.11	chr10	N/A	3	61.45
Hs.580660	5.11	chr20	N/A	3	35.34
LINC00545	5.11	chr13	13q12.3	3	32.57
Hs.333079	5.11	chr13	N/A	7	54.55
Hs.148170	5.11	chr22	N/A	4	89.10
Hs.130089	5.10	chr10	N/A	7	57.10
Hs.538380	5.10	chr10	N/A	3	58.22
RPE65	5.10	chr1	1p31	23	56.72
Hs.445391	5.10	chr17	N/A	14	49.23
Hs.593335	5.10	chr2	N/A	10	39.33
LOC100505639	5.10	chr19	N/A	8	39.05
Hs.595493	5.10	chr8	N/A	8	54.48
Hs.462308	5.10	chr17	N/A	3	30.09
Hs.736634	5.10	chr3	N/A	3	15.01
Hs.468760	5.10	chr2	N/A	1	0.00
DCAF12L2	5.10	chrX	Xq25	7	31.72
Hs.602606	5.09	chr6	N/A	7	85.81
IQUB	5.09	chr7	7q31.32	29	65.71
TTY4	5.09	chrY	Yq11.2	4	41.40
TRNAR1	5.09	chr17	17p13.1	3	30.11
Hs.557142	5.09	chr13	N/A	11	69.19
Hs.436393	5.09	chr1	N/A	1	0.00
Hs.658879	5.09	chr2	N/A	5	39.09
Hs.616963	5.09	chr22	N/A	3	30.23
NLRP13	5.09	chr19	19q13.43	14	43.85
Hs.677240	5.09	chr9	N/A	20	32.84
Hs.97990	5.09	chr10	N/A	11	54.54
Hs.624732	5.09	chr1	N/A	3	64.89
Hs.565419	5.09	chr2	N/A	3	22.08
Hs.602935	5.09	chr19	N/A	1	0.00
GRAMD2	5.09	chr15	15q23	27	43.68
Hs.8429	5.08	chr4	N/A	3	55.49
Hs.541497	5.08	chr2	N/A	3	63.99

Hs.144196	5.08	chr2	N/A	1	0.00
Hs.580794	5.08	chr20	N/A	5	25.37
Hs.538350	5.08	chr10	N/A	3	32.14
Hs.663667	5.08	chr8	N/A	1	0.00
Hs.149190	5.08	chr15	N/A	8	88.89
Hs.128037	5.08	chr10	N/A	7	42.23
Hs.680099	5.08	chr19	N/A	12	27.85
LOC100653000	5.08	chr12	N/A	3	38.66
Hs.575187	5.08	chr5	N/A	7	57.57
C10orf120	5.08	chr10	10q26.13	6	57.10
Hs.550637	5.08	chr13	N/A	3	24.14
Hs.602654	5.08	chr1	N/A	8	19.34
Hs.657176	5.08	chr7	N/A	1	0.00
Hs.577425	5.08	chr12	N/A	3	34.66
Hs.130649	5.07	chr2	N/A	3	19.41
Hs.611598	5.07	chr13	N/A	3	15.73
Hs.561208	5.07	chr3	N/A	3	31.01
LOC100128979	5.07	chr15	15q22.2	2	94.31
Hs.569248	5.07	chr13	N/A	7	61.99
Hs.368270	5.07	chr9	N/A	3	22.56
Hs.151204	5.07	chr18	N/A	2	2.56
Hs.543791	5.07	chr5	N/A	3	45.07
Hs.733690	5.07	chr19	N/A	7	70.88
Hs.105428	5.07	chr22	N/A	7	30.01
Hs.738284	5.07	chr6	N/A	3	15.99
Hs.676316	5.07	chr5	N/A	1	0.00
SNORD14B	5.06	chr11	11p15	3	19.31
LOC283214	5.06	chr11	11q13.5	1	0.00
Hs.572021	5.06	chr10	N/A	3	31.20
Hs.655692	5.06	chr3	N/A	8	66.77
KCNV1	5.06	chr8	8q23.2	28	48.46
Hs.551235	5.06	chr21	N/A	3	50.40
LOC100128219	5.06	chr18	18p11.23	10	24.44
Hs.551926	5.05	chr14	N/A	3	23.17
Hs.670032	5.05	chr2	N/A	1	0.00
Hs.563999	5.05	chr10	N/A	3	72.18
Hs.736240	5.05	chr3	N/A	1	0.00
Hs.170838	5.05	chr7	N/A	4	44.84
Hs.609107	5.05	chr1	N/A	1	0.00
Hs.445410	5.05	chr4	N/A	1	0.00
OR8K1	5.05	chr11	11q12.1	3	38.68
Hs.580584	5.05	chr2	N/A	3	30.32
SNORD38B	5.05	chr1	1p34.1	3	13.26
Hs.544882	5.05	chr7	N/A	3	8.33
Hs.671504	5.04	chr6	N/A	1	0.00
Hs.707754	5.04	chr6	N/A	10	31.59
Hs.600323	5.04	chr11	N/A	7	33.96
Hs.523484	5.04	chr11	N/A	3	18.41
LOC643797	5.04	chr15	15q26.1	10	19.14
UPK1A-AS1	5.04	chr19	19q13.12	8	14.79
PACRG-AS1	5.04	chr6	6q26	4	33.65
LOC100129427	5.03	chr7	7p12.2	1	0.00
Hs.546147	5.03	chrX	N/A	3	37.89
LOC100129312	5.03	chr2	2q31.1	20	51.11
Hs.672488	5.03	chr9	N/A	1	0.00
Hs.364959	5.03	chr6	N/A	3	33.79
MIR137HG	5.03	chr1	1p21.3	15	65.15
Hs.650179	5.03	chr19	N/A	3	23.21
Hs.651539	5.03	chr8	N/A	7	61.93
LINC00458	5.03	chr13	N/A	3	52.30
Hs.710057	5.03	chr14	N/A	5	61.11
Hs.662343	5.03	chr16	N/A	7	42.08
Hs.538148	5.03	chr1	N/A	3	25.45
Hs.666506	5.03	chr13	N/A	7	64.72
Hs.563556	5.03	chr8	N/A	3	49.15
Hs.663839	5.02	chr9	N/A	2	29.23

Hs.737349	5.02	chr4	N/A	3	52.30
Hs.564790	5.02	chr15	N/A	3	56.15
LOC101060009	5.02	chr1	N/A	3	30.79
Hs.670136	5.02	chr2	N/A	10	75.82
C10orf68	5.02	chr10	10p11.22	3	40.64
DAOA	5.02	chr13	13q34	28	62.02
Hs.551404	5.02	chr2	N/A	3	33.42
CCDC83	5.02	chr11	11q14.1-q14.2	24	66.88
Hs.592562	5.02	chr7	N/A	2	54.91
Hs.656149	5.02	chr17	N/A	8	44.18
Hs.119998	5.02	chr5	N/A	11	71.31
Hs.661720	5.02	chr3	N/A	2	55.14
Hs.570773	5.02	chr4	N/A	3	3.90
Hs.556665	5.02	chr5	N/A	3	43.66
Hs.735647	5.02	chr3	N/A	1	0.00
Hs.658670	5.02	chr11	N/A	1	0.00
Hs.571014	5.02	chr5	N/A	3	2.24
Hs.552990	5.02	chr8	N/A	3	50.96
Hs.539338	5.02	chr12	N/A	3	32.92
Hs.659460	5.01	chr9	N/A	7	45.51
Hs.537671	5.01	chr1	N/A	3	43.15
Hs.221470	5.01	chr6	N/A	3	52.08
Hs.213081	5.01	chr5	N/A	3	21.04
LOC100505949	5.01	chr5	N/A	12	74.08
Hs.539368	5.01	chr12	N/A	10	47.50
Hs.668204	5.01	chr22	N/A	7	51.36
Hs.545342	5.01	chr8	N/A	3	60.26
Hs.636489	5.01	chr2	N/A	16	42.26
Hs.160860	5.01	chr5	N/A	3	48.26
Hs.545557	5.01	chr8	N/A	2	2.05
Hs.662369	5.01	chr14	N/A	10	97.50
Hs.659295	5.01	chr6	N/A	3	47.90
Hs.209901	5.01	chr10	N/A	3	62.33
Hs.542900	5.00	chr3	N/A	3	40.66
Hs.655781	5.00	chr15	N/A	1	0.00
Hs.662035	5.00	chr5	N/A	7	44.44
Hs.630407	5.00	chr4	N/A	10	85.29
Hs.538781	5.00	chr11	N/A	3	34.76
Hs.603678	5.00	chr21	N/A	8	57.32
Hs.575268	5.00	chr5	N/A	3	57.69
Hs.661917	5.00	chr2	N/A	1	0.00
Hs.480975	5.00	chr4	N/A	9	40.48
Hs.221337	5.00	chr1	N/A	1	0.00
Hs.542909	5.00	chr3	N/A	3	5.82
Hs.609531	4.99	chr19	N/A	3	43.10
Hs.156588	4.99	chr11	N/A	3	65.99
Hs.201511	4.99	chr2	N/A	3	30.61
Hs.542293	4.99	chr20	N/A	3	25.91
Hs.147231	4.99	chr12	N/A	10	32.48
Hs.664145	4.99	chr18	N/A	7	35.64
Hs.622506	4.99	chr3	N/A	3	29.76
Hs.736004	4.99	chr15	N/A	1	0.00
Hs.631880	4.99	chr2	N/A	7	52.51
Hs.545191	4.99	chr8	N/A	3	31.50
Hs.553410	4.99	chr2	N/A	3	17.26
Hs.623695	4.99	chr3	N/A	3	39.04
Hs.576500	4.99	chr1	N/A	3	26.44
Hs.660896	4.99	chr10	N/A	7	75.07
Hs.553139	4.99	chr7	N/A	1	0.00
Hs.603878	4.98	chr11	N/A	2	39.17
Hs.736011	4.98	chr2	N/A	1	0.00
Hs.543516	4.98	chr4	N/A	3	23.37
Hs.608775	4.98	chr14	N/A	12	72.24
Hs.666185	4.98	chr16	N/A	5	38.16
Hs.620346	4.98	chr17	N/A	11	29.84
Hs.650206	4.98	chr17	N/A	1	0.00

Hs.443967	4.98	chr12	N/A	11	35.42
Hs.675284	4.98	chr2	N/A	10	38.95
Hs.559822	4.98	chr10	N/A	3	17.40
Hs.580479	4.98	chr2	N/A	3	34.70
Hs.667148	4.98	chr18	N/A	2	84.84
Hs.551296	4.98	chr9	N/A	1	0.00
Hs.570405	4.98	chr21	N/A	1	0.00
Hs.667959	4.98	chr3	N/A	7	30.58
Hs.563436	4.97	chr7	N/A	3	49.11
Hs.575141	4.97	chr5	N/A	3	29.78
Hs.667050	4.97	chr6	N/A	1	0.00
Hs.667649	4.97	chr6	N/A	2	13.08
Hs.308247	4.97	chr1	N/A	3	28.00
Hs.146663	4.97	chr10	N/A	7	30.49
Hs.657815	4.97	chr2	N/A	1	0.00
Hs.565605	4.97	chr2	N/A	3	48.98
Hs.557985	4.97	chr12	N/A	3	64.11
Hs.540526	4.97	chr16	N/A	3	36.44
Hs.734674	4.97	chr9	N/A	1	0.00
Hs.650006	4.97	chr14	N/A	3	32.01
Hs.666400	4.97	chr15	N/A	2	58.04
Hs.565030	4.97	chr17	N/A	3	40.47
Hs.144722	4.97	chr9	N/A	2	6.16
Hs.564208	4.97	chr11	N/A	3	30.67
Hs.734194	4.96	chr16	N/A	7	62.61
Hs.552467	4.96	chr2	N/A	3	2.66
Hs.582098	4.96	chr4	N/A	10	79.51
LOC100144597	4.96	chr20	N/A	2	16.63
Hs.743608	4.96	chr7	N/A	3	43.55
Hs.581429	4.96	chr3	N/A	3	40.09
Hs.633225	4.96	chr4	N/A	1	0.00
Hs.564415	4.96	chr12	N/A	3	42.48
Hs.540602	4.96	chr16	N/A	5	26.72
Hs.120277	4.96	chr3	N/A	1	0.00
Hs.539750	4.95	chr13	N/A	3	19.91
LOC100506189	4.95	chr9	N/A	4	32.61
Hs.678396	4.95	chr2	N/A	1	0.00
TMEM244	4.95	chr6	6q22.33	3	19.53
Hs.732317	4.95	chr15	N/A	1	0.00
Hs.561702	4.95	chr7	N/A	3	44.01
Hs.659935	4.95	chr5	N/A	7	44.63
Hs.207546	4.95	chr18	N/A	3	68.92
MROH2A	4.95	chr2	2q37.1	12	35.80
Hs.565097	4.95	chr10	N/A	3	48.74
SLCO1B7	4.95	chr12	12p12.2	16	45.60
Hs.147309	4.95	chr12	N/A	2	12.96
Hs.144387	4.95	chr11	N/A	7	25.55
Hs.543263	4.95	chr3	N/A	3	41.80
Hs.568890	4.94	chr10	N/A	4	30.00
Hs.561434	4.94	chr5	N/A	4	39.00
Hs.664096	4.94	chr1	N/A	7	70.35
Hs.482753	4.94	chr1	N/A	3	8.37
Hs.511432	4.94	chr15	N/A	1	0.00
Hs.554355	4.94	chrX	N/A	3	51.80
Hs.143629	4.94	chr4	N/A	11	27.37
Hs.266041	4.94	chr12	N/A	3	37.37
Hs.128092	4.94	chr18	N/A	2	54.14
Hs.554803	4.94	chr1	N/A	1	0.00
KRTAP4-3	4.94	chr17	17q12-q21	14	56.37
Hs.725538	4.94	chr2	N/A	2	36.87
Hs.543460	4.94	chr4	N/A	3	39.39
Hs.537947	4.94	chr1	N/A	3	46.42
Hs.654670	4.94	chr8	N/A	5	28.30
TRHDE	4.94	chr12	12q15-q21	28	84.10
Hs.544737	4.94	chr6	N/A	3	49.50
Hs.599729	4.94	chr3	N/A	1	0.00

Hs.561239	4.94	chr4	N/A	3	26.39
Hs.352814	4.93	chr21	N/A	3	35.36
Hs.565732	4.93	chr21	N/A	3	22.24
Hs.668664	4.93	chr1	N/A	1	0.00
Hs.666426	4.93	chr13	N/A	2	7.36
Hs.661911	4.93	chr21	N/A	7	64.42
Hs.655741	4.93	chr13	N/A	1	0.00
Hs.600585	4.93	chrX	N/A	7	36.58
Hs.665969	4.93	chr21	N/A	14	35.08
Hs.434622	4.93	chr1	N/A	4	19.38
Hs.581341	4.93	chr3	N/A	3	31.83
Hs.634724	4.93	chr5	N/A	1	0.00
Hs.596621	4.93	chr6	N/A	7	38.12
Hs.562331	4.93	chr11	N/A	3	28.47
Hs.545730	4.93	chr9	N/A	3	21.99
Hs.738253	4.93	chr3	N/A	10	90.09
Hs.603640	4.93	chr6	N/A	2	42.70
Hs.568999	4.92	chr11	N/A	10	25.17
Hs.161158	4.92	chr6	N/A	1	0.00
Hs.633410	4.92	chr12	N/A	11	108.81
Hs.98129	4.92	chr6	N/A	2	110.67
C17orf102	4.92	chr17	17q12	3	11.53
Hs.656025	4.92	chr15	N/A	1	0.00
Hs.602881	4.92	chr14	N/A	7	30.51
Hs.601369	4.92	chr4	N/A	1	0.00
Hs.659634	4.92	chr1	N/A	7	56.31
Hs.639918	4.92	chr3	N/A	10	46.51
Hs.548640	4.92	chr2	N/A	3	39.68
SPANXN1	4.91	chrX	Xq27	3	20.05
Hs.163781	4.91	chr3	N/A	3	55.41
Hs.436211	4.91	chr2	N/A	3	30.44
Hs.539871	4.91	chr14	N/A	3	17.46
Hs.568954	4.91	chr11	N/A	3	48.32
Hs.596151	4.91	chr3	N/A	7	83.94
Hs.737533	4.91	chr7	N/A	2	30.13
Hs.568498	4.91	chr1	N/A	3	19.67
Hs.542191	4.91	chr2	N/A	3	39.75
Hs.678812	4.91	chr5	N/A	1	0.00
BEND2	4.91	chrX	Xp22.13	20	66.22
Hs.276884	4.91	chr7	N/A	1	0.00
Hs.619265	4.91	chr20	N/A	3	43.41
CFHR5	4.91	chr1	1q31.3	31	52.12
Hs.566225	4.91	chr5	N/A	3	1.36
LINC00648	4.91	chr14	N/A	1	0.00
Hs.601249	4.90	chr1	N/A	7	31.82
Hs.666274	4.90	chr10	N/A	2	13.63
Hs.578449	4.90	chr15	N/A	3	35.50
Hs.650112	4.90	chr7	N/A	3	35.25
Hs.668430	4.90	chr1	N/A	1	0.00
FAM205A	4.90	chr9	9p12	22	156.00
Hs.565391	4.90	chr2	N/A	3	41.31
Hs.253815	4.90	chr19	N/A	4	35.90
IGHV7-81	4.90	chr14	14q32.33	1	0.00
Hs.696539	4.90	chr12	N/A	10	24.57
Hs.655102	4.90	chr18	N/A	7	44.46
Hs.565653	4.90	chr20	N/A	3	66.11
Hs.562777	4.90	chr18	N/A	3	27.67
Hs.566823	4.90	chr8	N/A	3	20.84
Hs.367953	4.90	chr1	N/A	7	56.32
OR5B3	4.90	chr11	11q12.1	3	19.93
Hs.603416	4.90	chr7	N/A	7	46.70
DAPL1	4.90	chr2	2q24.1	21	71.90
EGFLAM-AS2	4.89	chr5	5p13.2	8	66.12
CALHM3	4.89	chr10	10q24.33	17	50.50
Hs.657496	4.89	chr18	N/A	7	25.68
Hs.382313	4.89	chr13	N/A	1	0.00

ANTXRL	4.89	chr10	10q11.22	3	6.47
Hs.679090	4.89	chr13	N/A	1	0.00
STXBP5-AS1	4.89	chr6	6q24.3	2	55.22
Hs.668216	4.89	chr1	N/A	2	4.54
PCDH15	4.89	chr10	10q21.1	35	117.39
OCM	4.89	chr7	7p22.1	5	37.75
Hs.527312	4.89	chr7	N/A	3	61.59
Hs.86761	4.89	chr10	N/A	1	0.00
LOC100506923	4.89	chr2	N/A	3	36.34
Hs.710527	4.88	chr11	N/A	10	48.36
Hs.581431	4.88	chr3	N/A	3	45.62
Hs.687887	4.88	chr6	N/A	1	0.00
Hs.657188	4.88	chr3	N/A	1	0.00
Hs.542998	4.88	chr3	N/A	3	26.83
Hs.669227	4.88	chr16	N/A	1	0.00
Hs.661713	4.88	chr6	N/A	11	27.09
Hs.602198	4.87	chr11	N/A	7	31.15
Hs.584353	4.87	chr9	N/A	2	43.46
Hs.706215	4.87	chr17	N/A	10	59.62
Hs.150001	4.87	chr3	N/A	7	46.55
Hs.543684	4.87	chr4	N/A	3	21.97
Hs.506435	4.87	chr12	N/A	19	65.73
Hs.675250	4.87	chr1	N/A	2	28.78
Hs.539573	4.87	chr13	N/A	3	64.99
Hs.677056	4.87	chr1	N/A	1	0.00
FBXO47	4.87	chr17	17q12	6	37.97
Hs.671448	4.87	chr7	N/A	1	0.00
Hs.636851	4.86	chr12	N/A	4	28.56
LOC100507538	4.86	chr7	N/A	2	10.69
Hs.666687	4.86	chr7	N/A	2	18.06
LINC00327	4.86	chr13	N/A	14	55.81
Hs.148429	4.86	chr7	N/A	3	26.43
Hs.436058	4.86	chr7	N/A	7	57.18
Hs.728926	4.86	chr16	N/A	1	0.00
Hs.43741	4.86	chr18	N/A	9	61.88
ZNF865	4.86	chr19	19q13.42	2	57.05
Hs.664457	4.86	chr2	N/A	7	52.04
Hs.566755	4.86	chr7	N/A	3	33.75
Hs.631095	4.86	chr4	N/A	8	20.16
Hs.677282	4.86	chr6	N/A	10	70.70
LOC100996455	4.86	chr11	11q13.1	11	31.37
Hs.632309	4.86	chr7	N/A	3	49.13
Hs.557940	4.85	chr11	N/A	3	27.95
Hs.602233	4.85	chr13	N/A	7	86.51
Hs.591222	4.85	chr13	N/A	3	40.11
LOC100507201	4.85	chr2	N/A	4	31.41
Hs.20864	4.85	chr2	N/A	7	36.53
LOC100506272	4.85	chr4	N/A	4	24.13
Hs.132532	4.85	chr7	N/A	7	33.07
Hs.371598	4.85	chr15	N/A	13	77.80
Hs.635176	4.85	chr7	N/A	2	2.89
Hs.604126	4.85	chr9	N/A	2	52.49
Hs.596883	4.84	chr21	N/A	8	42.32
Hs.568823	4.84	chr10	N/A	3	38.12
LOC100128262	4.84	chr3	3q29	11	141.02
Hs.604072	4.84	chr20	N/A	2	22.05
Hs.602670	4.84	chr8	N/A	5	44.20
Hs.131114	4.84	chr18	N/A	3	31.41
LOC100505973	4.84	chr21	N/A	3	33.31
PCDHA4	4.84	chr5	5q31	6	61.72
Hs.581323	4.84	chr3	N/A	3	25.65
Hs.603362	4.84	chr8	N/A	2	53.29
Hs.538758	4.84	chr11	N/A	3	7.17
Hs.661458	4.84	chr9	N/A	7	48.44
Hs.357242	4.83	chr8	N/A	4	28.75
Hs.579927	4.83	chr19	N/A	3	2.97

Hs.396831	4.83	chr9	N/A	1	0.00
Hs.675502	4.83	chr11	N/A	1	0.00
LOC642620	4.83	chr7	7q36.3	14	18.25
GSTA5	4.83	chr6	6p12.2	16	57.46
Hs.656107	4.83	chr21	N/A	2	2.33
Hs.154607	4.83	chr9	N/A	2	30.51
Hs.552122	4.83	chr7	N/A	3	48.12
Hs.203621	4.83	chr13	N/A	7	57.67
Hs.560490	4.83	chr17	N/A	3	49.07
LOC100996353	4.83	chr16	N/A	10	49.06
Hs.659575	4.83	chr13	N/A	5	42.71
Hs.640523	4.83	chr20	N/A	11	29.68
Hs.439634	4.83	chr14	N/A	1	0.00
Hs.593971	4.82	chr3	N/A	7	47.63
Hs.545890	4.82	chr9	N/A	3	34.03
Hs.375745	4.82	chr13	N/A	1	0.00
Hs.574267	4.82	chr15	N/A	3	33.90
Hs.593315	4.82	chr11	N/A	1	0.00
Hs.145785	4.82	chr6	N/A	2	35.17
Hs.578900	4.82	chr16	N/A	3	36.01
Hs.402242	4.82	chr2	N/A	3	7.60
Hs.576400	4.82	chr1	N/A	10	98.62
Hs.656026	4.82	chr11	N/A	1	0.00
Hs.127407	4.82	chr4	N/A	2	39.76
Hs.574966	4.81	chr3	N/A	3	19.05
LEMD1-AS1	4.81	chr1	1q32.1	2	36.30
Hs.664141	4.81	chr12	N/A	3	10.07
Hs.23725	4.81	chr5	N/A	3	60.69
Hs.121735	4.81	chr18	N/A	1	0.00
Hs.667577	4.81	chr5	N/A	2	25.38
Hs.715121	4.81	chrX	N/A	10	35.39
Hs.662424	4.81	chr5	N/A	7	14.27
Hs.615572	4.81	chr19	N/A	1	0.00
Hs.544564	4.81	chr6	N/A	3	10.27
Hs.562188	4.81	chr1	N/A	7	42.05
Hs.659129	4.80	chr19	N/A	1	0.00
Hs.664179	4.80	chr7	N/A	7	41.95
Hs.680151	4.80	chr15	N/A	3	34.79
Hs.127412	4.80	chr5	N/A	2	21.31
Hs.126160	4.80	chr10	N/A	5	24.25
Hs.694135	4.80	chr12	N/A	1	0.00
Hs.729463	4.80	chr10	N/A	2	19.46
Hs.205112	4.80	chr10	N/A	3	22.78
Hs.565119	4.79	chr18	N/A	3	25.10
Hs.543964	4.79	chr5	N/A	3	31.70
Hs.598557	4.79	chr3	N/A	11	32.51
Hs.337096	4.79	chr5	N/A	10	52.38
Hs.664841	4.79	chr5	N/A	7	49.89
FLJ44006	4.79	chr2	2q13	3	39.97
Hs.127905	4.79	chr12	N/A	3	26.38
Hs.565303	4.79	chr19	N/A	3	9.92
ACSM4	4.79	chr12	12p13.31	3	28.02
Hs.545961	4.79	chrX	N/A	3	42.12
LOC100128988	4.79	chr20	20q12	2	108.68
Hs.620785	4.79	chr11	N/A	3	27.53
LOC100507325	4.79	chr15	N/A	3	20.92
Hs.282855	4.79	chr15	N/A	8	33.30
Hs.557554	4.78	chr4	N/A	3	45.28
Hs.545718	4.78	chr9	N/A	3	58.35
Hs.128242	4.78	chr1	N/A	3	54.94
Hs.656871	4.78	chr20	N/A	5	69.23
Hs.132527	4.78	chr2	N/A	7	46.78
Hs.563548	4.78	chr8	N/A	3	33.95
Hs.653916	4.78	chr6	N/A	1	0.00
Hs.667631	4.78	chr11	N/A	3	12.76
Hs.736630	4.78	chr5	N/A	8	23.87

Hs.617197	4.78	chr6	N/A	3	37.02
Hs.511367	4.78	chr15	N/A	5	35.54
Hs.609816	4.78	chr6	N/A	1	0.00
Hs.478355	4.78	chr1	N/A	1	0.00
Hs.564723	4.78	chr14	N/A	3	50.16
Hs.572381	4.78	chr16	N/A	10	29.39
Hs.732998	4.78	chr9	N/A	1	0.00
LOC642366	4.77	chr5	5q11.1	10	43.76
Hs.600949	4.77	chr22	N/A	1	0.00
Hs.730004	4.77	chr14	N/A	1	0.00
LINC00639	4.77	chr14	14q21.1	1	0.00
IGSF11-AS1	4.77	chr3	3q13.32	18	89.24
Hs.146981	4.77	chr2	N/A	2	79.08
Hs.734322	4.77	chr20	N/A	3	38.23
Hs.202201	4.77	chr2	N/A	18	51.76
Hs.544115	4.77	chr5	N/A	3	52.50
Hs.733286	4.77	chr14	N/A	2	46.59
Hs.538466	4.77	chr10	N/A	3	29.77
Hs.539868	4.76	chr14	N/A	3	39.58
Hs.170439	4.76	chr5	N/A	3	54.79
Hs.512463	4.76	chr9	N/A	7	22.62
Hs.147560	4.76	chr4	N/A	2	9.72
LOC728114	4.76	chr12	12q13.11	1	0.00
Hs.539262	4.76	chr12	N/A	3	24.76
LOC650157	4.76	chr2	2p25.1	2	36.89
Hs.575742	4.76	chrX	N/A	3	42.98
Hs.568805	4.76	chr10	N/A	3	22.53
Hs.671168	4.76	chr17	N/A	1	0.00
Hs.123493	4.76	chr2	N/A	1	0.00
Hs.669744	4.76	chr10	N/A	1	0.00
Hs.555248	4.75	chr17	N/A	1	0.00
Hs.667597	4.75	chr4	N/A	2	49.43
Hs.539153	4.75	chr12	N/A	3	21.51
Hs.738318	4.75	chr4	N/A	3	4.54
UBOX5-AS1	4.75	chr20	N/A	2	6.53
LOC100505716	4.75	chr2	2p23	1	0.00
Hs.597879	4.75	chr1	N/A	1	0.00
Hs.539598	4.75	chr13	N/A	3	33.52
Hs.650214	4.74	chr14	N/A	3	43.17
Hs.634791	4.74	chr17	N/A	2	24.86
Hs.648647	4.74	chr1	N/A	10	28.11
Hs.10431	4.74	chr15	N/A	7	94.24
C2orf80	4.74	chr2	2q34	11	48.95
GRK7	4.74	chr3	3q24	19	51.66
Hs.128395	4.74	chr1	N/A	1	0.00
Hs.587470	4.74	chr8	N/A	1	0.00
Hs.666597	4.74	chr16	N/A	2	26.35
Hs.634005	4.74	chr11	N/A	3	24.63
Hs.655811	4.73	chr13	N/A	7	45.86
Hs.602238	4.73	chr2	N/A	2	17.07
KRTAP10-7	4.73	chr21	21q22.3	3	6.34
Hs.445371	4.73	chr17	N/A	1	0.00
Hs.602719	4.73	chr15	N/A	7	36.07
Hs.645845	4.73	chr2	N/A	1	0.00
Hs.649349	4.73	chr4	N/A	7	46.70
Hs.660168	4.73	chr8	N/A	7	29.37
Hs.116130	4.73	chr10	N/A	7	47.19
Hs.441354	4.73	chr14	N/A	3	22.92
Hs.598311	4.73	chr15	N/A	7	37.43
Hs.577710	4.73	chr12	N/A	3	16.49
LOC90784	4.73	chr2	2p11.2	1	0.00
Hs.668105	4.72	chr2	N/A	2	36.18
Hs.688948	4.72	chr12	N/A	11	25.30
Hs.529396	4.72	chr21	N/A	3	33.45
Hs.434904	4.72	chr20	N/A	3	50.54
Hs.662476	4.72	chr8	N/A	7	68.01

Hs.668020	4.72	chr5	N/A	2	5.54
Hs.567027	4.72	chr9	N/A	3	36.23
Hs.553996	4.72	chr1	N/A	4	59.24
Hs.618551	4.72	chr6	N/A	3	51.97
Hs.603754	4.72	chr16	N/A	3	38.68
Hs.667117	4.72	chr1	N/A	7	35.99
Hs.207543	4.72	chr3	N/A	3	52.38
Hs.545328	4.72	chr8	N/A	3	24.30
GRXCR2	4.72	chr5	5q32	3	40.26
Hs.663098	4.72	chr7	N/A	5	39.36
Hs.656474	4.72	chr18	N/A	18	52.20
Hs.734770	4.72	chr2	N/A	11	115.96
Hs.629353	4.72	chr19	N/A	3	40.66
OVCH2	4.71	chr11	11p15.4	6	16.13
Hs.635742	4.71	chr14	N/A	1	0.00
Hs.375537	4.71	chr5	N/A	3	50.44
Hs.675526	4.71	chr9	N/A	1	0.00
Hs.679414	4.71	chr6	N/A	2	58.78
Hs.59471	4.71	chr21	N/A	7	23.51
TAS2R42	4.71	chr12	12p13	16	25.87
Hs.664302	4.71	chr2	N/A	1	0.00
Hs.579392	4.71	chr18	N/A	3	44.94
Hs.583659	4.71	chr8	N/A	3	22.11
Hs.149054	4.71	chr5	N/A	2	14.16
Hs.127657	4.71	chr3	N/A	7	43.22
Hs.539350	4.71	chr12	N/A	3	25.09
LOC100505841	4.71	chr5	5q23.2	1	0.00
Hs.671447	4.70	chr17	N/A	1	0.00
Hs.582255	4.70	chr5	N/A	3	26.00
Hs.633025	4.70	chr17	N/A	1	0.00
OR9Q1	4.70	chr11	11q12.1	3	23.16
Hs.738367	4.70	chr11	N/A	3	17.84
Hs.664760	4.70	chr2	N/A	7	66.94
Hs.662515	4.70	chr3	N/A	1	0.00
Hs.675453	4.70	chr3	N/A	10	23.28
Hs.504647	4.70	chr12	N/A	3	29.83
LOC349160	4.70	chr7	7q34	11	99.69
Hs.537248	4.70	chr15	N/A	3	78.10
Hs.564514	4.70	chr13	N/A	3	38.37
Hs.538783	4.70	chr11	N/A	5	91.55
Hs.566993	4.70	chr9	N/A	3	35.15
UGT1A8	4.70	chr2	2q37	3	26.57
Hs.598350	4.70	chr12	N/A	10	52.24
LOC100129098	4.70	chr8	8q11.23	1	0.00
SOX21-AS1	4.70	chr13	13q32.1	1	0.00
Hs.649369	4.70	chr9	N/A	2	16.46
Hs.670248	4.70	chr17	N/A	1	0.00
Hs.544610	4.70	chr6	N/A	3	33.03
Hs.603681	4.69	chr2	N/A	2	22.63
Hs.637289	4.69	chr2	N/A	3	28.07
Hs.545582	4.69	chr9	N/A	3	21.93
Hs.545841	4.69	chr9	N/A	3	50.65
Hs.670418	4.69	chr7	N/A	11	58.18
Hs.538931	4.69	chr11	N/A	3	78.32
Hs.539730	4.69	chr13	N/A	3	57.06
Hs.664700	4.69	chr6	N/A	7	53.95
Hs.537610	4.69	chr1	N/A	3	8.92
Hs.664013	4.69	chr12	N/A	7	55.84
RXFP1	4.69	chr4	4q32.1	35	92.21
Hs.532955	4.69	chr2	N/A	9	38.07
Hs.130621	4.69	chr8	N/A	3	64.01
LOC100130278	4.69	chr3	3p21.31	11	124.51
Hs.633492	4.69	chr6	N/A	4	38.10
TMEM235	4.69	chr17	17q25.3	1	0.00
Hs.551700	4.69	chr16	N/A	11	131.86
Hs.578577	4.69	chr15	N/A	3	31.98

Hs.665346	4.68	chr9	N/A	1	0.00
Hs.31942	4.68	chr4	N/A	7	69.48
Hs.561926	4.68	chr9	N/A	3	31.97
Hs.637431	4.68	chr3	N/A	8	15.97
Hs.544660	4.68	chr6	N/A	2	22.72
Hs.577164	4.68	chr11	N/A	3	19.74
Hs.537760	4.68	chr1	N/A	7	86.41
Hs.734597	4.68	chr10	N/A	1	0.00
Hs.635312	4.68	chr19	N/A	7	79.67
Hs.126387	4.68	chr17	N/A	3	28.29
Hs.667434	4.68	chr11	N/A	2	84.56
Hs.662370	4.68	chr11	N/A	7	53.04
Hs.131227	4.67	chr3	N/A	7	28.60
Hs.148527	4.67	chr21	N/A	2	78.25
Hs.557762	4.67	chr6	N/A	2	44.45
Hs.543800	4.67	chr5	N/A	3	32.99
CATX-1	4.67	chr2	N/A	12	61.78
Hs.592185	4.67	chr7	N/A	10	68.97
FLJ45831	4.67	chr17	17p12	3	29.90
Hs.674785	4.67	chr19	N/A	1	0.00
Hs.127908	4.67	chr1	N/A	2	2.47
Hs.659909	4.67	chr3	N/A	7	66.63
Hs.741806	4.67	chr6	N/A	2	7.58
Hs.667021	4.66	chr3	N/A	2	4.59
ZIM3	4.66	chr19	N/A	29	133.50
Hs.544919	4.66	chr7	N/A	2	79.62
LOC100506655	4.66	chr16	N/A	1	0.00
LOC340017	4.66	chr4	4q32.1	1	0.00
Hs.556937	4.66	chr1	N/A	3	17.94
Hs.603490	4.66	chr4	N/A	3	13.68
Hs.734177	4.66	chr11	N/A	3	20.88
ZRANB2-AS2	4.66	chr1	1p31.1	3	35.69
Hs.541989	4.66	chr2	N/A	3	50.34
Hs.661271	4.66	chr7	N/A	10	17.61
Hs.644908	4.66	chr16	N/A	2	20.91
Hs.660495	4.66	chr17	N/A	2	29.77
Hs.578142	4.66	chr14	N/A	3	61.47
Hs.541302	4.66	chr19	N/A	3	52.50
Hs.587338	4.65	chr5	N/A	6	40.75
Hs.687591	4.65	chr18	N/A	2	24.61
Hs.603421	4.65	chr12	N/A	7	53.24
Hs.565185	4.65	chr18	N/A	3	29.17
Hs.560150	4.65	chrX	N/A	10	13.87
Hs.128620	4.65	chr7	N/A	3	46.26
Hs.543658	4.65	chr4	N/A	3	60.44
Hs.667535	4.65	chr17	N/A	3	19.98
Hs.544891	4.65	chr7	N/A	3	34.92
Hs.148889	4.65	chr4	N/A	6	44.54
Hs.385722	4.64	chr1	N/A	1	0.00
Hs.545506	4.64	chr8	N/A	6	50.70
Hs.542213	4.64	chr2	N/A	3	11.64
Hs.734339	4.64	chr2	N/A	2	35.48
Hs.492373	4.64	chr8	N/A	2	12.75
SLC10A5	4.64	chr8	8q21.13	6	47.69
Hs.146570	4.64	chr22	N/A	2	41.22
FAM226B	4.64	chrX	Xq13.2	6	34.35
Hs.586238	4.64	chr6	N/A	1	0.00
Hs.731573	4.64	chr3	N/A	10	36.85
Hs.633218	4.63	chr3	N/A	7	50.96
Hs.541813	4.63	chr2	N/A	7	84.91
Hs.636206	4.63	chrX	N/A	4	19.89
Hs.596423	4.62	chr19	N/A	10	77.19
Hs.132346	4.62	chr17	N/A	3	26.91
Hs.663088	4.62	chr13	N/A	10	42.96
Hs.655538	4.62	chr8	N/A	3	53.69
ARHGAP26-AS1	4.62	chr5	N/A	8	29.51

SMIM21	4.62	chr18	18q23	7	30.92
Hs.735990	4.62	chr3	N/A	1	0.00
Hs.564291	4.62	chr11	N/A	5	18.43
Hs.48372	4.62	chr4	N/A	14	65.54
Hs.564633	4.62	chr14	N/A	3	20.32
Hs.535223	4.62	chr1	N/A	7	26.56
Hs.721419	4.62	chr9	N/A	3	25.35
Hs.619522	4.61	chrX	N/A	3	3.33
Hs.659605	4.61	chr17	N/A	2	44.16
Hs.569657	4.61	chr16	N/A	3	35.93
Hs.638484	4.61	chr16	N/A	1	0.00
Hs.575861	4.61	chr1	N/A	3	43.25
Hs.734863	4.61	chr1	N/A	1	0.00
Hs.733925	4.61	chr6	N/A	2	31.34
Hs.582332	4.61	chr5	N/A	3	20.13
Hs.668483	4.61	chr3	N/A	1	0.00
FIGLA	4.61	chr2	2p13.3	6	35.66
Hs.570624	4.61	chr3	N/A	3	17.24
ZSWIM2	4.61	chr2	2q32.1	19	41.81
Hs.720750	4.61	chr7	N/A	1	0.00
Hs.602880	4.61	chr3	N/A	5	38.14
Hs.559742	4.61	chr1	N/A	3	62.58
Hs.667573	4.61	chr1	N/A	1	0.00
Hs.615336	4.60	chr7	N/A	3	34.56
Hs.146126	4.60	chr8	N/A	3	25.13
Hs.545992	4.60	chrX	N/A	3	35.67
Hs.561435	4.60	chr5	N/A	3	36.26
Hs.664926	4.60	chr2	N/A	1	0.00
Hs.559664	4.60	chr1	N/A	1	0.00
Hs.530398	4.60	chr10	N/A	1	0.00
Hs.603300	4.60	chr5	N/A	2	83.85
Hs.733471	4.60	chr20	N/A	1	0.00
XKR9	4.60	chr8	8q13.3	6	58.46
OR2G6	4.60	chr1	1q44	3	15.21
Hs.598266	4.60	chr16	N/A	10	53.21
Hs.659545	4.60	chr7	N/A	1	0.00
Hs.731956	4.60	chr3	N/A	3	17.97
Hs.668306	4.60	chr11	N/A	7	34.79
Hs.542391	4.60	chr20	N/A	3	20.60
Hs.671658	4.60	chr20	N/A	11	61.60
Hs.635099	4.59	chr19	N/A	2	21.78
LOC731779	4.59	chr8	8q24.3	1	0.00
TMEM215	4.59	chr9	9p21.1	3	22.17
Hs.580238	4.59	chr2	N/A	3	46.73
Hs.568655	4.59	chr1	N/A	3	25.86
Hs.656128	4.59	chr8	N/A	2	43.23
Hs.603218	4.59	chr10	N/A	1	0.00
LOC100506128	4.59	chr1	N/A	1	0.00
Hs.733291	4.59	chr6	N/A	1	0.00
Hs.510213	4.59	chr14	N/A	14	28.80
Hs.578487	4.59	chr15	N/A	3	50.04
LOC100128818	4.59	chr22	22q13.31	10	21.41
Hs.540899	4.59	chr17	N/A	3	31.30
Hs.140667	4.59	chr10	N/A	3	14.05
Hs.538782	4.59	chr11	N/A	3	59.50
Hs.292580	4.59	chr14	N/A	1	0.00
Hs.241416	4.58	chr12	N/A	11	36.87
Hs.156241	4.58	chr4	N/A	3	40.65
Hs.148993	4.58	chr5	N/A	5	73.70
Hs.602782	4.58	chr11	N/A	7	73.75
Hs.540614	4.58	chr16	N/A	3	22.83
Hs.97443	4.58	chr4	N/A	3	13.62
Hs.604134	4.58	chr4	N/A	7	36.55
Hs.581125	4.58	chr3	N/A	7	68.32
Hs.653980	4.58	chr13	N/A	13	92.64
HHLA2	4.58	chr3	3q13.13	22	59.90

Hs.441649	4.58	chr3	N/A	3	23.47
Hs.563166	4.58	chr3	N/A	3	42.26
Hs.735238	4.58	chr20	N/A	3	24.52
Hs.605563	4.57	chr1	N/A	1	0.00
Hs.658640	4.57	chr6	N/A	1	0.00
Hs.382230	4.57	chr5	N/A	11	51.74
Hs.580827	4.57	chr20	N/A	3	28.50
Hs.542891	4.57	chr3	N/A	3	39.78
Hs.721297	4.57	chr5	N/A	2	48.74
Hs.632074	4.56	chr9	N/A	2	21.67
Hs.635249	4.56	chr7	N/A	2	44.74
Hs.155959	4.56	chr7	N/A	7	32.24
Hs.599399	4.56	chrX	N/A	7	42.21
Hs.545253	4.56	chr8	N/A	3	5.97
Hs.576834	4.56	chr10	N/A	3	27.24
Hs.656651	4.56	chr2	N/A	7	47.11
Hs.135774	4.56	chr12	N/A	5	64.88
Hs.146979	4.55	chr7	N/A	5	41.04
Hs.667404	4.55	chr11	N/A	2	19.49
LOC100130741	4.55	chr7	7q36.3	15	83.43
Hs.583475	4.55	chr7	N/A	3	45.13
Hs.585133	4.55	chr17	N/A	3	31.83
Hs.742364	4.55	chr1	N/A	10	32.60
Hs.131473	4.55	chr4	N/A	2	35.03
Hs.622883	4.55	chr2	N/A	1	0.00
PP12708	4.55	chr7	7q34	10	30.96
Hs.719572	4.55	chr15	N/A	1	0.00
Hs.729514	4.54	chr3	N/A	1	0.00
Hs.666635	4.54	chr15	N/A	2	2.28
Hs.97639	4.54	chr8	N/A	11	58.31
Hs.508285	4.54	chr13	N/A	3	45.01
Hs.282703	4.54	chr2	N/A	2	65.96
ZNF837	4.54	chr19	19q13.43	1	0.00
Hs.379222	4.54	chr2	N/A	1	0.00
Hs.537951	4.54	chr1	N/A	3	35.34
Hs.678254	4.53	chr4	N/A	1	0.00
Hs.606251	4.53	chr13	N/A	11	45.73
Hs.210865	4.53	chr4	N/A	3	42.93
Hs.666200	4.53	chr15	N/A	5	61.50
Hs.212477	4.53	chr3	N/A	3	10.40
Hs.604193	4.53	chr1	N/A	2	30.36
Hs.667066	4.53	chr11	N/A	3	35.49
Hs.561819	4.53	chr8	N/A	3	35.72
FAM99A	4.53	chr11	11p15.5	3	18.80
Hs.567137	4.53	chrX	N/A	3	5.82
Hs.368810	4.53	chr3	N/A	7	51.18
Hs.543923	4.52	chr5	N/A	3	27.07
Hs.657363	4.52	chr4	N/A	1	0.00
Hs.145579	4.52	chr8	N/A	3	51.14
Hs.697400	4.52	chr19	N/A	2	35.16
C12orf63	4.52	chr12	12q23.1	16	60.21
Hs.578064	4.52	chr13	N/A	3	16.94
Hs.126622	4.52	chr8	N/A	6	25.31
C17orf112	4.52	chr17	N/A	2	95.79
IZUMO1	4.52	chr19	19q13.33	22	51.95
Hs.149000	4.52	chr1	N/A	2	54.31
Hs.127348	4.52	chr7	N/A	3	31.41
Hs.563088	4.51	chr2	N/A	3	21.52
Hs.543352	4.51	chr4	N/A	3	19.46
Hs.661865	4.51	chr3	N/A	5	69.22
Hs.582799	4.51	chr6	N/A	3	27.22
Hs.672351	4.51	chr20	N/A	1	0.00
Hs.562408	4.51	chr12	N/A	3	20.19
Hs.205443	4.51	chr2	N/A	3	12.12
Hs.677505	4.51	chr10	N/A	1	0.00
Hs.540859	4.51	chr17	N/A	3	18.11

Hs.639414	4.51	chr6	N/A	1	0.00
Hs.162062	4.51	chr9	N/A	3	34.01
Hs.568616	4.51	chr1	N/A	1	0.00
Hs.660555	4.51	chr6	N/A	15	65.59
Hs.583641	4.51	chr8	N/A	3	68.74
Hs.49787	4.51	chr2	N/A	4	21.84
Hs.569416	4.51	chr15	N/A	1	0.00
Hs.436567	4.51	chr1	N/A	1	0.00
Hs.604181	4.51	chr7	N/A	2	31.56
Hs.582983	4.50	chr6	N/A	3	19.58
Hs.352531	4.50	chr15	N/A	3	23.28
Hs.604167	4.50	chr3	N/A	2	54.01
Hs.208618	4.50	chr1	N/A	3	41.90
Hs.495158	4.50	chr14	N/A	3	42.81
Hs.584269	4.50	chr9	N/A	3	5.61
Hs.566371	4.50	chr5	N/A	3	7.76
Hs.669003	4.50	chr7	N/A	1	0.00
LOC100506047	4.50	chr2	N/A	8	51.26
Hs.255966	4.50	chr17	N/A	3	59.22
LINC00567	4.50	chr13	13q34	3	81.13
Hs.634168	4.50	chr6	N/A	1	0.00
Hs.684013	4.50	chr16	N/A	1	0.00
Hs.667435	4.50	chr7	N/A	5	36.37
Hs.91785	4.50	chr1	N/A	7	16.33
LOC100270679	4.50	chr20	20p11.22	1	0.00
Hs.543282	4.49	chr3	N/A	3	29.52
Hs.34882	4.49	chr16	N/A	3	33.31
LINC00485	4.49	chr12	12q23.2	1	0.00
Hs.544526	4.49	chr6	N/A	3	37.16
LOC100506791	4.49	chr5	N/A	8	47.72
Hs.151157	4.49	chr5	N/A	2	5.90
Hs.580716	4.49	chr20	N/A	3	39.09
Hs.636821	4.49	chr5	N/A	1	0.00
Hs.544423	4.49	chr6	N/A	3	45.45
Hs.733496	4.49	chr10	N/A	1	0.00
Hs.662589	4.49	chr1	N/A	1	0.00
Hs.208125	4.49	chr14	N/A	2	53.36
Hs.721513	4.49	chr5	N/A	3	44.12
KRTAP5-5	4.48	chr11	11p15.5	3	67.16
Hs.625321	4.48	chr8	N/A	1	0.00
Hs.543341	4.48	chr4	N/A	7	44.41
Hs.540514	4.48	chr16	N/A	3	11.45
LINC00226	4.48	chr14	14q32.33	2	13.25
Hs.434695	4.48	chr21	N/A	1	0.00
CLDN22	4.48	chr4	4q35.1	11	55.62
Hs.625778	4.48	chr16	N/A	3	27.37
Hs.604012	4.48	chr8	N/A	7	53.47
Hs.673292	4.48	chr7	N/A	1	0.00
Hs.543717	4.48	chr4	N/A	3	29.22
Hs.667183	4.47	chr15	N/A	2	49.01
Hs.706146	4.47	chr13	N/A	1	0.00
Hs.580239	4.47	chr2	N/A	3	51.62
Hs.602829	4.47	chr11	N/A	2	4.35
DNAJB8-AS1	4.47	chr3	3q21.3	1	0.00
Hs.364519	4.47	chr20	N/A	3	27.27
Hs.209694	4.47	chrX	N/A	5	49.51
Hs.193331	4.47	chr3	N/A	3	36.53
Hs.645734	4.47	chr5	N/A	10	53.81
Hs.658785	4.47	chr6	N/A	7	44.80
Hs.47446	4.47	chr3	N/A	2	26.19
Hs.677089	4.47	chr3	N/A	1	0.00
Hs.663742	4.47	chr4	N/A	7	106.21
Hs.571075	4.47	chr6	N/A	3	33.53
PCDHGB3	4.47	chr5	5q31	3	14.22
Hs.583041	4.46	chr6	N/A	10	34.65
Hs.661280	4.46	chr11	N/A	7	63.09

Hs.334980	4.46	chr4	N/A	7	70.55
Hs.145162	4.46	chr21	N/A	2	28.01
Hs.561252	4.46	chr4	N/A	7	53.04
LOC100129397	4.46	chr15	15q21.1	10	25.11
Hs.564595	4.46	chr13	N/A	3	22.79
Hs.667981	4.46	chr20	N/A	2	52.02
Hs.445931	4.46	chr8	N/A	4	26.19
Hs.542961	4.46	chr3	N/A	3	28.27
LOC401021	4.45	chr2	2q31.1	10	47.95
LOC649201	4.45	chrX	Xq28	3	54.35
LOC729305	4.45	chr11	11q25	2	91.52
Hs.195052	4.45	chr13	N/A	3	39.69
Hs.450092	4.45	chr3	N/A	1	0.00
FTO-IT1	4.45	chr16	N/A	5	33.04
Hs.538569	4.45	chr10	N/A	3	19.91
Hs.597024	4.45	chr1	N/A	2	24.57
Hs.721405	4.45	chr3	N/A	1	0.00
Hs.551095	4.45	chr6	N/A	1	0.00
Hs.170957	4.45	chr1	N/A	3	48.89
PCDHA11	4.45	chr5	5q31	3	19.62
Hs.593804	4.45	chr1	N/A	1	0.00
LINC00620	4.45	chr3	3p25.1	1	0.00
Hs.666203	4.44	chr3	N/A	1	0.00
Hs.561405	4.44	chr5	N/A	3	16.43
Hs.542224	4.44	chr2	N/A	3	38.81
Hs.199458	4.44	chr21	N/A	3	8.47
Hs.554691	4.44	chr20	N/A	3	35.02
Hs.657201	4.44	chr17	N/A	1	0.00
Hs.571526	4.44	chr8	N/A	3	26.62
Hs.164091	4.44	chr22	N/A	3	34.41
Hs.596959	4.44	chr12	N/A	7	61.10
Hs.665345	4.44	chr3	N/A	1	0.00
Hs.538846	4.43	chr11	N/A	2	29.16
Hs.654937	4.43	chr12	N/A	1	0.00
Hs.545233	4.43	chr8	N/A	3	36.87
Hs.122233	4.43	chrX	N/A	3	22.95
Hs.735593	4.43	chr16	N/A	9	24.41
Hs.256249	4.43	chr2	N/A	3	32.70
Hs.543642	4.43	chr4	N/A	3	38.99
Hs.559662	4.43	chr1	N/A	7	79.82
Hs.734968	4.43	chr16	N/A	1	0.00
Hs.665662	4.42	chr11	N/A	1	0.00
Hs.86046	4.42	chr1	N/A	3	20.95
Hs.581733	4.42	chr4	N/A	2	41.33
Hs.666947	4.42	chr5	N/A	2	121.69
Hs.278289	4.42	chr5	N/A	3	36.75
Hs.734244	4.42	chr3	N/A	5	40.59
Hs.656897	4.42	chr10	N/A	1	0.00
Hs.543456	4.41	chr4	N/A	3	12.48
OR6C76	4.41	chr12	12q13.2	3	25.56
LOC339298	4.41	chr18	18q23	3	34.50
Hs.158786	4.41	chr4	N/A	3	22.09
SMLR1	4.41	chr6	6q23.1	19	75.41
Hs.726781	4.41	chr15	N/A	2	27.07
Hs.538509	4.41	chr10	N/A	3	25.49
Hs.582853	4.41	chr6	N/A	3	39.54
Hs.555112	4.41	chr1	N/A	2	44.61
Hs.553067	4.41	chr3	N/A	3	30.69
MGC32805	4.41	chr5	5q23.2	11	80.34
Hs.564613	4.40	chr13	N/A	3	33.15
Hs.371846	4.40	chr2	N/A	1	0.00
Hs.569064	4.40	chr12	N/A	3	15.42
Hs.623826	4.40	chr7	N/A	1	0.00
Hs.197685	4.40	chr12	N/A	3	33.13
Hs.580540	4.40	chr2	N/A	3	16.65
Hs.673628	4.40	chr8	N/A	1	0.00

Hs.666449	4.40	chr9	N/A	1	0.00
Hs.604538	4.40	chr12	N/A	7	27.14
Hs.594592	4.40	chr11	N/A	1	0.00
Hs.149759	4.39	chr12	N/A	2	36.81
Hs.548016	4.39	chr17	N/A	3	24.58
SPRR2F	4.39	chr1	1q21-q22	3	30.88
Hs.658377	4.39	chr19	N/A	1	0.00
Hs.281898	4.39	chr1	N/A	2	29.34
Hs.575985	4.39	chr1	N/A	3	38.86
Hs.585489	4.39	chr10	N/A	3	24.48
Hs.675447	4.39	chr3	N/A	1	0.00
MAGEB16	4.38	chrX	Xp21.1	3	20.39
Hs.684756	4.38	chr22	N/A	1	0.00
Hs.144894	4.38	chr3	N/A	2	17.04
TRBV7-3	4.38	chr7	7q34	1	0.00
Hs.656926	4.38	chr12	N/A	1	0.00
Hs.662725	4.38	chr22	N/A	12	67.41
LINC00890	4.38	chrX	Xq23	3	8.45
Hs.133851	4.37	chr15	N/A	4	68.00
Hs.540653	4.37	chr16	N/A	3	28.17
Hs.654799	4.37	chr13	N/A	1	0.00
Hs.405158	4.37	chr2	N/A	3	30.58
Hs.514453	4.37	chr17	N/A	3	38.12
Hs.734493	4.37	chr7	N/A	3	59.28
Hs.562255	4.37	chr10	N/A	7	41.28
SERINC4	4.37	chr15	15q15.3	3	44.34
INTS4L1	4.37	chr7	7q11.21	3	14.72
Hs.157791	4.37	chr10	N/A	1	0.00
Hs.658266	4.37	chr2	N/A	7	37.54
Hs.449964	4.36	chr1	N/A	2	39.88
Hs.437259	4.36	chr3	N/A	4	37.46
Hs.658267	4.36	chr2	N/A	10	46.53
Hs.148389	4.36	chr2	N/A	1	0.00
Hs.739491	4.36	chr7	N/A	3	23.08
Hs.159750	4.36	chr11	N/A	1	0.00
Hs.181245	4.36	chr1	N/A	3	30.67
Hs.638070	4.36	chr4	N/A	10	53.32
Hs.212483	4.36	chr1	N/A	3	43.89
Hs.662169	4.35	chr14	N/A	1	0.00
Hs.543935	4.35	chr5	N/A	3	25.69
Hs.574192	4.35	chr15	N/A	3	10.16
Hs.734137	4.35	chr6	N/A	1	0.00
MBD3L3	4.35	chr19	19p13.2	3	14.35
Hs.545339	4.35	chr8	N/A	3	35.98
SNORD101	4.35	chr6	6q23.2	3	2.35
Hs.541669	4.35	chr2	N/A	3	12.21
Hs.596977	4.35	chr4	N/A	7	41.94
LOC100134368	4.35	chr16	16p13.3	1	0.00
OR6C1	4.35	chr12	12q13.2	3	22.10
LOC100505782	4.34	chr17	N/A	1	0.00
Hs.380638	4.34	chrX	N/A	3	10.56
Hs.649976	4.34	chr9	N/A	2	28.22
Hs.553322	4.34	chr10	N/A	3	30.10
Hs.668027	4.34	chr17	N/A	4	39.01
Hs.582129	4.34	chr5	N/A	3	14.11
Hs.508987	4.34	chr5	N/A	11	32.71
Hs.345154	4.34	chr7	N/A	3	42.28
Hs.635841	4.34	chr18	N/A	3	26.62
Hs.660873	4.34	chr15	N/A	7	40.77
Hs.668939	4.34	chr11	N/A	1	0.00
IQCF5	4.34	chr3	3p21.2	3	41.11
Hs.672284	4.33	chr15	N/A	1	0.00
Hs.571764	4.33	chrY	N/A	1	0.00
Hs.683210	4.33	chr16	N/A	2	8.36
Hs.581516	4.33	chr3	N/A	3	28.07
Hs.605727	4.33	chr9	N/A	3	29.47

Hs.128553	4.33	chr7	N/A	7	53.44
Hs.49127	4.33	chr8	N/A	13	48.39
LOC100505768	4.33	chr1	N/A	3	31.12
Hs.626863	4.33	chr17	N/A	7	61.52
Hs.442505	4.33	chr20	N/A	3	23.48
Hs.654714	4.33	chr16	N/A	11	53.41
Hs.633140	4.33	chr3	N/A	3	13.40
OR4K5	4.33	chr14	14q11.2	3	6.55
Hs.670282	4.33	chr16	N/A	1	0.00
Hs.538854	4.33	chr11	N/A	6	43.23
Hs.569887	4.33	chr18	N/A	2	36.19
Hs.544193	4.32	chr5	N/A	3	24.22
Hs.560028	4.32	chr12	N/A	7	39.27
Hs.543250	4.32	chr3	N/A	3	22.87
Hs.541048	4.32	chr18	N/A	3	20.39
Hs.659458	4.32	chr7	N/A	16	49.44
Hs.368071	4.32	chr7	N/A	1	0.00
Hs.147481	4.32	chr10	N/A	4	18.10
Hs.83346	4.32	chr6	N/A	1	0.00
CDRT15L2	4.31	chr17	17p11.2	8	26.54
Hs.539814	4.31	chr13	N/A	3	39.17
Hs.538184	4.31	chr1	N/A	3	43.92
Hs.662259	4.31	chr11	N/A	7	30.62
Hs.308312	4.31	chr15	N/A	3	40.77
Hs.550772	4.31	chrX	N/A	1	0.00
Hs.60351	4.31	chr2	N/A	4	44.61
Hs.544685	4.31	chr6	N/A	3	54.40
Hs.667223	4.30	chr8	N/A	3	21.38
Hs.568856	4.30	chr10	N/A	2	49.70
Hs.568648	4.30	chr1	N/A	3	40.66
Hs.669702	4.30	chr1	N/A	1	0.00
Hs.737125	4.30	chr7	N/A	3	12.20
Hs.540451	4.30	chr16	N/A	3	24.99
Hs.125667	4.30	chr6	N/A	2	53.72
Hs.734168	4.30	chr10	N/A	3	24.81
Hs.368468	4.30	chr16	N/A	3	18.28
LOC283692	4.30	chr15	15q25.1	1	0.00
LOC100507616	4.30	chr12	N/A	2	37.05
Hs.581759	4.30	chr4	N/A	3	16.89
Hs.669515	4.30	chr17	N/A	10	40.12
Hs.128904	4.30	chr5	N/A	7	52.63
Hs.544184	4.30	chr5	N/A	3	33.20
Hs.627581	4.30	chr4	N/A	3	26.31
NKX2-1-AS1	4.30	chr14	N/A	1	0.00
Hs.437225	4.29	chr14	N/A	1	0.00
LOC100507663	4.29	chr10	N/A	10	21.53
Hs.544121	4.29	chr5	N/A	3	6.27
Hs.675828	4.29	chr2	N/A	11	69.91
Hs.668169	4.29	chr12	N/A	2	19.70
Hs.147310	4.29	chr3	N/A	3	35.95
Hs.660626	4.29	chr20	N/A	1	0.00
Hs.554473	4.29	chr8	N/A	5	44.84
Hs.545475	4.29	chr8	N/A	3	37.46
Hs.565778	4.29	chr22	N/A	3	10.76
Hs.689950	4.29	chr13	N/A	1	0.00
Hs.584186	4.29	chr9	N/A	3	20.14
Hs.596465	4.29	chr9	N/A	10	39.89
Hs.668876	4.28	chr1	N/A	1	0.00
Hs.618609	4.28	chr5	N/A	10	52.43
Hs.734996	4.28	chr10	N/A	10	42.37
Hs.710084	4.28	chr16	N/A	1	0.00
Hs.539666	4.28	chr13	N/A	3	27.01
Hs.544044	4.28	chr5	N/A	3	27.59
Hs.334403	4.28	chr3	N/A	3	43.01
Hs.636089	4.28	chr13	N/A	2	82.94
LOC402096	4.28	chr2	2q12.2	3	29.68

Hs.657005	4.28	chr2	N/A	1	0.00
Hs.615348	4.28	chr15	N/A	1	0.00
DCTN1-AS1	4.28	chr2	2p13	11	84.95
Hs.119816	4.27	chr12	N/A	5	44.23
LOC100131289	4.27	chr6	6p22.1	10	24.95
Hs.566123	4.27	chr4	N/A	3	26.79
Hs.559957	4.27	chr11	N/A	3	37.01
UNC5B-AS1	4.27	chr10	10q22.1	1	0.00
Hs.544108	4.27	chr5	N/A	3	18.52
Hs.434865	4.27	chr5	N/A	5	33.54
Hs.666515	4.27	chr8	N/A	2	10.75
Hs.667465	4.27	chr3	N/A	2	23.37
Hs.597316	4.27	chr3	N/A	7	55.94
Hs.578248	4.27	chr14	N/A	3	25.81
Hs.583825	4.26	chr8	N/A	3	28.34
LOC644504	4.26	chrX	Xq22.3	3	18.46
Hs.678314	4.26	chr21	N/A	1	0.00
Hs.249366	4.26	chr11	N/A	11	47.51
Hs.603263	4.26	chr4	N/A	3	31.96
Hs.604285	4.26	chr1	N/A	7	45.89
Hs.687027	4.26	chr2	N/A	1	0.00
Hs.545658	4.25	chr9	N/A	3	4.81
Hs.604077	4.25	chr10	N/A	2	35.02
Hs.542493	4.25	chr20	N/A	2	97.56
Hs.437524	4.25	chr3	N/A	3	27.75
LRRC9	4.25	chr14	14q23.1	6	33.04
Hs.654741	4.25	chr4	N/A	12	44.60
Hs.313142	4.25	chr8	N/A	4	60.59
Hs.654707	4.25	chr10	N/A	19	74.06
Hs.133219	4.25	chr1	N/A	2	34.74
Hs.407557	4.25	chr8	N/A	1	0.00
Hs.321359	4.24	chr15	N/A	1	0.00
Hs.136941	4.24	chr19	N/A	3	31.21
Hs.479129	4.24	chr4	N/A	7	50.28
Hs.542059	4.24	chr2	N/A	3	29.48
Hs.526713	4.24	chr22	N/A	2	10.93
Hs.131490	4.24	chr6	N/A	8	32.25
LOC285758	4.23	chr6	6q21	1	0.00
Hs.434578	4.23	chr14	N/A	1	0.00
Hs.547548	4.23	chr2	N/A	1	0.00
Hs.560630	4.23	chr20	N/A	3	33.64
Hs.741822	4.22	chr16	N/A	10	16.99
Hs.151190	4.22	chr15	N/A	2	45.14
LOC100130156	4.22	chr20	20q13.31	9	42.03
Hs.670516	4.22	chr21	N/A	1	0.00
Hs.663980	4.22	chr10	N/A	3	117.76
OR1M1	4.22	chr19	19p13.2	8	26.17
Hs.736817	4.22	chr7	N/A	3	57.42
Hs.565472	4.22	chr2	N/A	3	11.27
Hs.121375	4.22	chr4	N/A	3	56.48
Hs.545873	4.22	chr9	N/A	3	24.51
Hs.470701	4.22	chr2	N/A	3	59.06
Hs.563680	4.22	chrX	N/A	3	36.13
Hs.553020	4.22	chr2	N/A	3	29.64
Hs.551391	4.22	chr19	N/A	3	27.68
Hs.602639	4.22	chr10	N/A	5	24.71
Hs.149755	4.22	chr17	N/A	2	2.92
Hs.652517	4.21	chr6	N/A	8	36.21
Hs.664379	4.21	chr1	N/A	1	0.00
Hs.577921	4.21	chr13	N/A	3	17.86
Hs.738384	4.21	chr18	N/A	3	37.41
Hs.728122	4.21	chr16	N/A	7	56.78
XKRY2	4.21	chrY	Yq11.221	10	64.86
Hs.675810	4.20	chr16	N/A	1	0.00
Hs.669764	4.20	chr20	N/A	1	0.00
Hs.607057	4.20	chr5	N/A	1	0.00

LOC645984	4.20	chr10	10p11.23	11	72.25
Hs.733709	4.20	chr19	N/A	1	0.00
Hs.641200	4.20	chr15	N/A	10	35.30
Hs.635049	4.20	chr9	N/A	2	3.90
Hs.322946	4.20	chr2	N/A	7	21.38
Hs.444721	4.20	chr20	N/A	1	0.00
Hs.734021	4.20	chr18	N/A	2	70.68
Hs.525833	4.19	chr15	N/A	3	12.22
Hs.144714	4.19	chr10	N/A	2	13.49
Hs.196981	4.19	chr3	N/A	5	34.71
Hs.570730	4.19	chr4	N/A	2	60.84
Hs.577776	4.19	chr12	N/A	3	24.38
Hs.396322	4.19	chr2	N/A	3	16.34
Hs.583904	4.19	chr8	N/A	3	26.82
Hs.667427	4.18	chr4	N/A	2	26.44
Hs.729007	4.18	chr2	N/A	7	28.66
Hs.660231	4.18	chr10	N/A	7	25.53
Hs.544112	4.18	chr5	N/A	3	21.92
Hs.441189	4.18	chr4	N/A	3	11.68
PCDHA3	4.17	chr5	5q31	5	17.06
Hs.406847	4.17	chr14	N/A	14	42.12
Hs.667478	4.17	chr12	N/A	2	2.15
Hs.610098	4.17	chr10	N/A	1	0.00
Hs.307406	4.17	chr14	N/A	5	58.14
LOC100128668	4.17	chr20	20p12.3	7	23.23
Hs.544799	4.17	chr7	N/A	3	27.59
Hs.583233	4.16	chr7	N/A	3	50.76
Hs.132480	4.16	chr1	N/A	3	22.55
Hs.540656	4.16	chr16	N/A	7	49.07
Hs.128113	4.16	chr2	N/A	3	7.60
Hs.541661	4.16	chr2	N/A	3	15.98
Hs.566785	4.15	chr7	N/A	3	57.92
LHFPL3-AS1	4.15	chr7	7q22.1	10	54.52
Hs.550780	4.15	chr1	N/A	1	0.00
DLGAP1-AS3	4.15	chr18	18p11.31	1	0.00
Hs.285724	4.15	chr7	N/A	1	0.00
Hs.571314	4.15	chr7	N/A	3	18.74
Hs.559620	4.15	chr1	N/A	3	3.56
LOC100505658	4.14	chr5	N/A	1	0.00
Hs.486346	4.14	chr6	N/A	3	72.23
Hs.553468	4.14	chr21	N/A	3	29.69
Hs.654732	4.14	chr6	N/A	2	26.78
Hs.601898	4.14	chr1	N/A	8	17.18
Hs.127938	4.14	chr11	N/A	7	55.02
Hs.660987	4.14	chr4	N/A	7	61.36
Hs.732320	4.14	chr8	N/A	1	0.00
Hs.132111	4.14	chr8	N/A	6	48.77
Hs.186126	4.14	chr14	N/A	7	45.15
Hs.677057	4.13	chr7	N/A	1	0.00
OR56A4	4.13	chr11	11p15.4	3	55.71
Hs.584501	4.13	chrX	N/A	3	3.51
Hs.667083	4.13	chr3	N/A	1	0.00
Hs.356239	4.13	chr9	N/A	10	21.52
Hs.708148	4.13	chr16	N/A	13	62.59
Hs.714983	4.13	chr4	N/A	10	89.43
Hs.563932	4.12	chr1	N/A	3	59.46
Hs.104677	4.12	chr6	N/A	3	21.34
Hs.435736	4.12	chr22	N/A	1	0.00
Hs.666754	4.12	chr7	N/A	11	123.97
Hs.667256	4.12	chr2	N/A	2	31.33
Hs.561012	4.12	chr20	N/A	3	45.89
Hs.543803	4.12	chr5	N/A	3	17.34
Hs.603730	4.12	chr18	N/A	2	55.59
Hs.659473	4.12	chr5	N/A	2	8.17
Hs.542853	4.12	chr3	N/A	3	47.72
Hs.662437	4.11	chr10	N/A	7	23.58

LOC401098	4.11	chr3	3q25.33	11	40.53
Hs.661479	4.11	chr3	N/A	7	56.26
LOC400620	4.11	chr17	17q25.1	11	32.78
Hs.638488	4.11	chr9	N/A	1	0.00
Hs.620291	4.11	chr3	N/A	3	31.25
Hs.604153	4.11	chr19	N/A	2	45.10
Hs.578029	4.11	chr13	N/A	3	39.58
Hs.619422	4.11	chr1	N/A	3	43.45
Hs.662290	4.11	chr18	N/A	11	71.56
Hs.663621	4.11	chr1	N/A	1	0.00
DKFZP434H168	4.10	chr16	16q12.2	11	45.33
Hs.528585	4.10	chrX	N/A	7	48.48
Hs.542572	4.10	chr21	N/A	3	31.99
Hs.656801	4.10	chr7	N/A	7	44.81
Hs.676758	4.10	chr2	N/A	5	57.59
C10orf131	4.10	chr10	10q24.1	2	14.61
Hs.539687	4.10	chr13	N/A	3	22.10
LOC285000	4.10	chr2	2q12.2	1	0.00
Hs.678515	4.10	chrX	N/A	1	0.00
Hs.581965	4.10	chr4	N/A	3	17.22
Hs.651185	4.10	chr8	N/A	1	0.00
Hs.181500	4.09	chr8	N/A	1	0.00
Hs.128598	4.09	chr2	N/A	5	39.80
Hs.385613	4.09	chr4	N/A	1	0.00
Hs.279227	4.09	chr10	N/A	3	22.57
Hs.655503	4.09	chr6	N/A	7	38.00
Hs.680100	4.09	chr10	N/A	1	0.00
Hs.656238	4.09	chr11	N/A	1	0.00
Hs.663099	4.09	chr7	N/A	1	0.00
Hs.711304	4.09	chr8	N/A	3	25.11
Hs.581175	4.09	chr3	N/A	3	19.00
Hs.542678	4.08	chr22	N/A	3	25.23
Hs.608428	4.08	chr14	N/A	5	22.76
Hs.128889	4.08	chr12	N/A	4	62.01
Hs.635251	4.08	chr1	N/A	5	41.85
Hs.635271	4.08	chr4	N/A	1	0.00
Hs.189824	4.08	chr6	N/A	3	17.41
Hs.741672	4.08	chr14	N/A	1	0.00
Hs.680881	4.08	chr12	N/A	1	0.00
LOC729224	4.08	chr2	2q33.1	4	59.14
Hs.105103	4.08	chr14	N/A	7	41.06
Hs.531269	4.08	chr16	N/A	3	22.25
Hs.641692	4.07	chr1	N/A	3	25.04
Hs.58552	4.07	chr6	N/A	8	47.72
Hs.545742	4.07	chr9	N/A	7	29.11
Hs.540148	4.07	chr15	N/A	2	90.91
Hs.98232	4.07	chr8	N/A	5	58.40
Hs.543069	4.07	chr3	N/A	7	65.22
Hs.639232	4.07	chr1	N/A	3	15.19
Hs.44677	4.07	chrX	N/A	6	50.92
Hs.576677	4.06	chr10	N/A	3	46.22
Hs.564573	4.06	chr13	N/A	3	19.87
Hs.541035	4.06	chr18	N/A	3	28.34
Hs.675655	4.06	chr8	N/A	3	9.91
Hs.564788	4.06	chr15	N/A	3	11.24
Hs.558816	4.06	chr18	N/A	2	96.88
Hs.662240	4.06	chr4	N/A	1	0.00
Hs.666686	4.06	chr2	N/A	2	86.82
Hs.202934	4.05	chr5	N/A	3	33.50
Hs.644967	4.05	chr20	N/A	3	18.38
Hs.538304	4.05	chr10	N/A	3	5.36
Hs.549546	4.05	chr18	N/A	3	27.33
FLJ45743	4.05	chr18	18q21.2	10	33.20
Hs.520807	4.05	chr7	N/A	2	11.74
Hs.566695	4.05	chr7	N/A	7	42.66
Hs.500666	4.05	chr17	N/A	3	49.55

Hs.603521	4.05	chr6	N/A	7	35.69
Hs.146759	4.04	chr19	N/A	2	4.00
Hs.602632	4.04	chr7	N/A	2	53.66
Hs.564870	4.04	chr16	N/A	3	23.54
Hs.225968	4.04	chr3	N/A	1	0.00
Hs.635556	4.04	chr2	N/A	1	0.00
Hs.563443	4.04	chr7	N/A	3	23.69
Hs.565751	4.04	chr21	N/A	3	32.96
Hs.658599	4.04	chr10	N/A	1	0.00
LOC100996665	4.03	chr19	N/A	4	52.18
Hs.599650	4.03	chrX	N/A	4	76.69
Hs.519714	4.03	chr5	N/A	3	11.86
Hs.441544	4.03	chr2	N/A	3	16.89
Hs.126598	4.03	chr3	N/A	5	8.40
Hs.656972	4.03	chr1	N/A	1	0.00
Hs.122441	4.02	chr4	N/A	3	39.89
LRRC69	4.02	chr8	8q21.3	1	0.00
Hs.540847	4.02	chr17	N/A	3	20.07
Hs.581200	4.02	chr3	N/A	3	34.68
Hs.610165	4.02	chr20	N/A	1	0.00
LOC284561	4.02	chr1	1q21.3	13	47.52
LOC100130370	4.02	chr17	17q25.3	12	44.82
Hs.560373	4.02	chr15	N/A	1	0.00
Hs.580621	4.02	chr20	N/A	3	46.34
Hs.721777	4.01	chr2	N/A	1	0.00
Hs.668153	4.01	chr1	N/A	2	47.07
Hs.666534	4.01	chr5	N/A	2	23.68
Hs.575480	4.01	chr7	N/A	2	12.77
Hs.639402	4.01	chr20	N/A	1	0.00
Hs.563770	4.01	chr1	N/A	3	23.81
Hs.634270	4.01	chr5	N/A	7	51.67
Hs.144712	4.01	chr2	N/A	2	43.59
SPANXN4	4.01	chrX	Xq27.3	3	19.16
Hs.656445	4.01	chr9	N/A	1	0.00
Hs.576396	4.01	chr1	N/A	3	12.56
FAM150A	4.01	chr8	8q11.23	16	96.64
Hs.547955	4.00	chr12	N/A	3	44.28
Hs.599446	4.00	chr6	N/A	10	32.41
Hs.522540	4.00	chr9	N/A	2	101.34
Hs.292388	4.00	chr1	N/A	7	60.99
Hs.666831	4.00	chr11	N/A	2	93.42
Hs.721176	4.00	chr18	N/A	7	33.73
WDR88	4.00	chr19	19q13.11	15	44.51
Hs.544831	4.00	chr7	N/A	3	35.58
C7orf72	4.00	chr7	7p12.2	3	3.30
Hs.656776	3.99	chr7	N/A	1	0.00
Hs.147694	3.99	chr4	N/A	2	23.98
Hs.603270	3.99	chr21	N/A	3	25.58
Hs.440501	3.99	chr5	N/A	1	0.00
Hs.543034	3.99	chr3	N/A	3	35.16
Hs.732152	3.99	chr16	N/A	2	49.32
Hs.595196	3.99	chr3	N/A	1	0.00
LOC100506235	3.99	chr2	N/A	3	29.50
Hs.624313	3.99	chr1	N/A	3	26.00
Hs.741490	3.98	chr19	N/A	1	0.00
SPATA42	3.98	chr1	1p13.3	11	34.05
NAV2-AS5	3.98	chr11	11p15.1	1	0.00
LINC00322	3.97	chr21	21q22.3	3	28.23
Hs.733585	3.97	chr2	N/A	1	0.00
Hs.324978	3.97	chr19	N/A	3	98.07
Hs.738569	3.97	chr6	N/A	3	61.26
SNORD28	3.97	chr11	11q13	3	30.47
Hs.131417	3.97	chr9	N/A	2	31.43
Hs.541300	3.97	chr19	N/A	3	40.61
Hs.666826	3.97	chr17	N/A	7	63.66
LOC100506286	3.97	chr2	N/A	1	0.00

Hs.544013	3.97	chr5	N/A	3	6.97
Hs.583928	3.96	chr8	N/A	10	49.42
Hs.408101	3.96	chr1	N/A	5	32.82
Hs.735719	3.96	chr2	N/A	1	0.00
Hs.666933	3.96	chr17	N/A	2	34.11
Hs.668280	3.95	chr13	N/A	1	0.00
Hs.558980	3.95	chr16	N/A	7	20.64
Hs.422131	3.95	chr13	N/A	3	30.87
Hs.562302	3.95	chr10	N/A	3	40.62
Hs.543139	3.95	chr3	N/A	3	49.55
Hs.135691	3.95	chr2	N/A	3	100.92
LOC116437	3.94	chr12	12q24.33	4	64.79
LOC283038	3.94	chr10	10q26.2	1	0.00
Hs.621874	3.94	chr1	N/A	1	0.00
Hs.617089	3.94	chr1	N/A	1	0.00
SNORD83A	3.94	chr22	22q13	3	42.46
Hs.194761	3.94	chr16	N/A	7	52.20
Hs.513574	3.94	chr16	N/A	3	31.23
Hs.670378	3.94	chr6	N/A	1	0.00
Hs.672056	3.94	chr6	N/A	1	0.00
LOC400968	3.94	chr15	15q11.2	3	11.07
Hs.665060	3.94	chr3	N/A	1	0.00
Hs.666721	3.94	chr18	N/A	3	14.89
Hs.90695	3.94	chr20	N/A	1	0.00
Hs.661958	3.93	chr12	N/A	1	0.00
Hs.655406	3.93	chr4	N/A	2	37.38
Hs.577260	3.93	chr11	N/A	3	19.81
Hs.543469	3.93	chr4	N/A	3	52.93
Hs.661801	3.93	chrX	N/A	1	0.00
C1orf180	3.93	chr1	1p22.3	17	63.19
Hs.626523	3.93	chr14	N/A	3	46.26
CD200R1L	3.93	chr3	3q13.2	3	26.40
Hs.319708	3.92	chr5	N/A	3	25.87
Hs.634829	3.92	chr8	N/A	10	38.19
Hs.208207	3.92	chr2	N/A	3	2.92
Hs.545071	3.92	chr7	N/A	3	30.59
SPANXN5	3.92	chrX	Xp11.22	3	23.83
Hs.539579	3.92	chr13	N/A	3	12.68
Hs.656556	3.92	chr2	N/A	3	27.48
Hs.595396	3.91	chr10	N/A	7	55.63
Hs.667824	3.91	chr16	N/A	1	0.00
Hs.570560	3.91	chr3	N/A	7	37.23
SNORA76	3.91	chr17	17q23.3	10	66.79
Hs.160264	3.91	chr15	N/A	1	0.00
OCR1	3.91	chr1	1q32.1	11	42.03
Hs.583022	3.91	chr6	N/A	2	87.71
Hs.686866	3.91	chr6	N/A	1	0.00
Hs.677533	3.91	chr15	N/A	1	0.00
Hs.603789	3.91	chr15	N/A	2	96.01
Hs.677102	3.91	chr2	N/A	1	0.00
Hs.565851	3.91	chr3	N/A	3	21.40
Hs.149769	3.90	chr16	N/A	3	26.32
Hs.573660	3.90	chr1	N/A	2	49.23
YPLR6490	3.90	chr3	3p22.3	10	76.97
Hs.586676	3.90	chr10	N/A	3	55.79
Hs.657540	3.90	chr2	N/A	1	0.00
LOC255187	3.90	chr5	5q33.1	3	19.32
Hs.635247	3.90	chr1	N/A	2	90.48
Hs.667390	3.90	chr3	N/A	3	12.66
Hs.149005	3.90	chr14	N/A	2	28.59
Hs.609892	3.90	chr18	N/A	1	0.00
Hs.610242	3.89	chr9	N/A	5	25.46
Hs.637866	3.89	chr2	N/A	3	18.00
Hs.560761	3.89	chr2	N/A	10	17.84
Hs.517718	3.89	chr22	N/A	1	0.00
Hs.569848	3.89	chr18	N/A	3	13.91

Hs.669794	3.89	chr3	N/A	1	0.00
RNU6ATAC	3.89	chr9	9q34.2	3	17.28
Hs.436361	3.89	chr6	N/A	3	33.55
Hs.534680	3.89	chr2	N/A	1	0.00
Hs.200266	3.89	chr12	N/A	1	0.00
Hs.673671	3.89	chr2	N/A	10	56.42
Hs.668087	3.88	chr1	N/A	1	0.00
Hs.526433	3.88	chr14	N/A	3	28.70
Hs.582893	3.88	chr6	N/A	3	26.88
Hs.566232	3.88	chr5	N/A	3	9.58
Hs.684008	3.88	chr22	N/A	1	0.00
Hs.570319	3.88	chr20	N/A	3	15.09
Hs.729531	3.88	chr19	N/A	2	27.05
Hs.544908	3.88	chr7	N/A	7	29.91
Hs.545719	3.88	chr9	N/A	3	36.93
Hs.709930	3.88	chr14	N/A	1	0.00
LOC442465	3.87	chrX	Xq26.3	3	29.64
Hs.407693	3.87	chr22	N/A	2	54.13
Hs.539305	3.87	chr12	N/A	3	4.52
Hs.147593	3.87	chr7	N/A	6	58.42
Hs.478137	3.87	chr3	N/A	3	35.15
Hs.603474	3.87	chr9	N/A	2	69.12
Hs.580899	3.87	chr21	N/A	3	18.06
CXorf67	3.87	chrX	Xp11.22	1	0.00
Hs.583081	3.87	chr7	N/A	3	10.50
RNASE9	3.86	chr14	14q11.2	3	20.56
Hs.673013	3.86	chr7	N/A	1	0.00
PIH2	3.86	chr8	8q13.3	15	44.19
Hs.553983	3.86	chr9	N/A	3	47.39
Hs.677106	3.86	chr18	N/A	12	75.32
Hs.562456	3.86	chr12	N/A	3	31.40
Hs.659463	3.86	chr10	N/A	3	130.34
Hs.594814	3.86	chr3	N/A	1	0.00
Hs.125560	3.86	chr14	N/A	3	5.63
Hs.663137	3.85	chr7	N/A	1	0.00
Hs.461285	3.85	chr16	N/A	1	0.00
SNORD15A	3.85	chr11	11q13.4	3	28.45
Hs.668031	3.85	chr17	N/A	1	0.00
Hs.565752	3.85	chr21	N/A	3	35.25
Hs.158149	3.85	chr20	N/A	1	0.00
Hs.658309	3.85	chr16	N/A	1	0.00
Hs.667575	3.85	chr16	N/A	2	7.25
Hs.171092	3.85	chr1	N/A	1	0.00
Hs.434240	3.85	chr7	N/A	1	0.00
Hs.376725	3.84	chr3	N/A	11	55.33
Hs.659026	3.84	chr17	N/A	1	0.00
Hs.130457	3.84	chr14	N/A	7	24.48
Hs.545371	3.84	chr8	N/A	3	18.24
Hs.605465	3.84	chr14	N/A	3	16.24
Hs.369609	3.84	chr12	N/A	1	0.00
Hs.669999	3.84	chr10	N/A	1	0.00
Hs.370719	3.84	chr16	N/A	8	16.00
C7orf66	3.84	chr7	7q31.1	3	24.14
Hs.580203	3.84	chr2	N/A	3	24.22
OR51Q1	3.83	chr11	11p15.4	5	70.39
Hs.382046	3.83	chr3	N/A	1	0.00
Hs.569218	3.83	chr13	N/A	1	0.00
Hs.738017	3.83	chr12	N/A	1	0.00
Hs.655908	3.83	chr13	N/A	12	36.36
Hs.200878	3.83	chr5	N/A	3	38.39
Hs.633359	3.83	chr7	N/A	1	0.00
Hs.668458	3.82	chr1	N/A	1	0.00
Hs.516952	3.82	chr20	N/A	1	0.00
Hs.569426	3.82	chr15	N/A	1	0.00
Hs.636264	3.82	chr9	N/A	3	27.40
LOC285463	3.82	chr4	4p16.3	1	0.00

Hs.561931	3.81	chr9	N/A	1	0.00
Hs.538028	3.81	chr1	N/A	4	54.97
Hs.397890	3.81	chr22	N/A	1	0.00
Hs.667151	3.81	chr7	N/A	1	0.00
Hs.441636	3.81	chr1	N/A	10	37.55
Hs.542043	3.81	chr2	N/A	3	4.85
SMIM18	3.81	chr8	N/A	2	2.36
Hs.676621	3.80	chr12	N/A	1	0.00
Hs.733493	3.80	chr5	N/A	7	52.18
SPATA31A2	3.80	chr9	9p13.1	5	35.73
Hs.661985	3.80	chr13	N/A	5	55.47
Hs.565427	3.80	chr2	N/A	3	20.70
Hs.541362	3.79	chr19	N/A	3	26.76
Hs.724197	3.79	chr16	N/A	1	0.00
Hs.606256	3.79	chr10	N/A	1	0.00
Hs.564491	3.79	chr12	N/A	3	7.34
OR10D3	3.79	chr11	11q24.2	2	3.85
Hs.666767	3.79	chr8	N/A	1	0.00
Hs.565520	3.79	chr2	N/A	3	17.60
Hs.677496	3.79	chr14	N/A	2	2.06
Hs.626201	3.78	chr9	N/A	3	32.36
Hs.543727	3.78	chr4	N/A	3	24.06
Hs.561461	3.78	chr5	N/A	3	33.70
Hs.538577	3.78	chr10	N/A	3	13.66
Hs.576796	3.78	chr10	N/A	3	25.74
Hs.540372	3.78	chr15	N/A	3	18.23
DEFB105A	3.78	chr8	8p23.1	3	68.11
Hs.623520	3.78	chr8	N/A	3	59.06
Hs.559354	3.78	chr20	N/A	1	0.00
Hs.577295	3.77	chr11	N/A	3	8.33
Hs.662221	3.77	chr4	N/A	1	0.00
Hs.157006	3.77	chr2	N/A	10	34.24
Hs.584342	3.77	chr9	N/A	3	24.63
LINC00514	3.77	chr16	16p13.3	1	0.00
Hs.614167	3.77	chr2	N/A	1	0.00
DEFB112	3.77	chr6	6p12.3	3	26.99
Hs.602820	3.77	chr5	N/A	2	6.07
Hs.567138	3.77	chrX	N/A	3	20.48
Hs.713399	3.76	chr16	N/A	9	37.32
Hs.667324	3.76	chr10	N/A	2	109.52
Hs.711593	3.76	chr13	N/A	10	36.45
Hs.680442	3.76	chr8	N/A	1	0.00
Hs.652674	3.76	chr5	N/A	2	14.16
Hs.542743	3.76	chr22	N/A	2	68.38
Hs.566336	3.76	chr5	N/A	2	3.09
NSAP11	3.76	chr8	8p22	1	0.00
Hs.212492	3.75	chr1	N/A	3	21.80
Hs.566641	3.75	chr15	N/A	10	37.83
Hs.143562	3.75	chr20	N/A	2	2.50
Hs.734055	3.75	chr8	N/A	2	27.28
Hs.662089	3.75	chr2	N/A	5	34.88
Hs.176655	3.75	chr11	N/A	3	41.71
Hs.549805	3.75	chr10	N/A	3	13.95
Hs.584264	3.75	chr9	N/A	3	19.78
Hs.671392	3.75	chr16	N/A	1	0.00
Hs.274529	3.75	chr2	N/A	1	0.00
Hs.691305	3.75	chr1	N/A	1	0.00
Hs.580825	3.74	chr20	N/A	3	22.29
Hs.567016	3.74	chr9	N/A	3	36.38
Hs.670069	3.74	chr1	N/A	1	0.00
Hs.680101	3.74	chr14	N/A	1	0.00
OR2T34	3.74	chr1	1q44	3	14.21
LOC340357	3.74	chr8	8p23.1	1	0.00
Hs.550199	3.74	chr7	N/A	1	0.00
Hs.601539	3.74	chr16	N/A	7	61.89
Hs.737539	3.74	chr9	N/A	1	0.00

LOC100996490	3.74	chr3	N/A	11	30.51
Hs.666577	3.74	chr11	N/A	2	10.40
Hs.253209	3.73	chr4	N/A	2	87.74
Hs.544176	3.73	chr5	N/A	3	23.82
Hs.566493	3.73	chr6	N/A	3	19.03
Hs.551381	3.73	chr18	N/A	3	13.31
Hs.659364	3.72	chr10	N/A	3	0.57
Hs.363359	3.72	chr22	N/A	3	24.89
Hs.376729	3.72	chrX	N/A	3	25.25
Hs.620043	3.72	chr12	N/A	10	32.47
Hs.563971	3.72	chr1	N/A	3	21.37
Hs.582203	3.72	chr5	N/A	3	44.66
Hs.607368	3.72	chr12	N/A	1	0.00
Hs.732872	3.71	chr17	N/A	1	0.00
Hs.606124	3.71	chr21	N/A	2	0.80
Hs.464224	3.71	chr17	N/A	1	0.00
Hs.603429	3.71	chr17	N/A	2	16.15
Hs.538449	3.71	chr10	N/A	3	25.74
Hs.563859	3.71	chr1	N/A	3	21.17
Hs.272208	3.71	chr3	N/A	1	0.00
Hs.168677	3.71	chr1	N/A	1	0.00
Hs.615893	3.71	chr11	N/A	1	0.00
Hs.540643	3.70	chr16	N/A	3	40.27
Hs.580783	3.70	chr20	N/A	3	10.04
Hs.561272	3.70	chr4	N/A	2	3.61
Hs.554547	3.70	chr12	N/A	3	37.69
Hs.284799	3.69	chr4	N/A	3	21.65
Hs.607711	3.69	chr1	N/A	1	0.00
Hs.545288	3.69	chr8	N/A	3	21.17
Hs.733989	3.69	chr4	N/A	3	15.88
Hs.569757	3.69	chr17	N/A	8	39.46
Hs.570865	3.69	chr4	N/A	2	29.22
Hs.187190	3.69	chr18	N/A	3	34.88
Hs.129094	3.69	chr1	N/A	3	15.51
Hs.544365	3.69	chr6	N/A	3	24.83
Hs.245131	3.68	chr4	N/A	1	0.00
Hs.539301	3.68	chr12	N/A	3	10.16
Hs.597146	3.68	chr3	N/A	7	43.65
SOWAHB	3.68	chr4	4q21.1	3	32.24
CCDC179	3.68	chr11	11p14.2	2	39.58
Hs.545011	3.68	chr7	N/A	3	37.26
Hs.438444	3.68	chr3	N/A	3	35.66
Hs.514671	3.67	chr18	N/A	3	11.62
LOC100128840	3.67	chr12	12q24.33	11	46.25
Hs.638428	3.67	chr18	N/A	11	46.35
Hs.676290	3.67	chr9	N/A	1	0.00
Hs.710567	3.67	chr9	N/A	10	94.81
Hs.659203	3.67	chr5	N/A	9	24.13
Hs.48447	3.67	chr14	N/A	5	19.88
Hs.623892	3.67	chr10	N/A	1	0.00
Hs.539881	3.67	chr14	N/A	3	7.71
Hs.666753	3.66	chr6	N/A	3	56.13
Hs.602675	3.66	chr1	N/A	5	39.22
Hs.540640	3.66	chr16	N/A	3	20.72
Hs.507018	3.66	chr12	N/A	3	6.75
Hs.131660	3.66	chr16	N/A	2	102.97
Hs.464402	3.66	chr17	N/A	2	38.01
Hs.146839	3.65	chr1	N/A	3	22.53
Hs.666487	3.65	chr17	N/A	1	0.00
Hs.667368	3.65	chr1	N/A	1	0.00
ZC2HC1B	3.65	chr6	6q24.2	6	56.84
Hs.662439	3.65	chr2	N/A	11	30.05
Hs.564548	3.65	chr13	N/A	3	16.42
Hs.468488	3.65	chr10	N/A	1	0.00
Hs.450608	3.65	chr11	N/A	1	0.00
Hs.583057	3.65	chr6	N/A	3	13.38

Hs.55246	3.65	chr6	N/A	7	52.89
Hs.661619	3.64	chr13	N/A	1	0.00
Hs.326470	3.64	chr2	N/A	2	33.05
Hs.662820	3.64	chr10	N/A	1	0.00
Hs.580413	3.64	chr2	N/A	3	16.45
Hs.665237	3.64	chr1	N/A	3	14.58
Hs.542769	3.64	chr22	N/A	3	13.90
Hs.545878	3.63	chr9	N/A	3	34.01
Hs.661440	3.63	chr18	N/A	7	24.50
Hs.604099	3.62	chr22	N/A	2	27.91
Hs.675539	3.62	chr10	N/A	1	0.00
Hs.668301	3.62	chr21	N/A	1	0.00
Hs.543501	3.62	chr4	N/A	3	8.04
Hs.668069	3.62	chr15	N/A	2	84.22
LOC442028	3.62	chr2	2q11.1	4	27.54
Hs.655790	3.62	chr17	N/A	1	0.00
Hs.658722	3.62	chr3	N/A	10	36.79
Hs.660035	3.62	chr10	N/A	1	0.00
KRTAP20-4	3.61	chr21	21q22.11	3	15.24
Hs.694101	3.61	chr16	N/A	1	0.00
Hs.677450	3.61	chr10	N/A	1	0.00
Hs.112061	3.61	chrX	N/A	2	46.13
Hs.576170	3.61	chr1	N/A	3	29.46
Hs.668613	3.61	chr13	N/A	1	0.00
Hs.164147	3.61	chr6	N/A	3	32.49
Hs.736471	3.60	chr2	N/A	1	0.00
Hs.663414	3.60	chr21	N/A	1	0.00
Hs.127092	3.60	chr16	N/A	3	14.28
Hs.652636	3.60	chr3	N/A	3	43.70
Hs.538322	3.60	chr10	N/A	3	25.99
Hs.581297	3.60	chr3	N/A	3	12.77
Hs.656857	3.60	chr22	N/A	7	46.50
Hs.667813	3.60	chr5	N/A	1	0.00
Hs.553180	3.60	chr1	N/A	3	15.07
Hs.563744	3.59	chr1	N/A	3	38.33
Hs.595007	3.59	chr1	N/A	11	40.94
Hs.668669	3.59	chr6	N/A	1	0.00
MIR622	3.59	chr13	13q31.3	5	12.47
Hs.637734	3.59	chr2	N/A	1	0.00
Hs.255299	3.59	chr8	N/A	3	21.70
Hs.38132	3.58	chrX	N/A	4	29.49
H2AFB3	3.58	chrX	Xq28	3	22.86
Hs.570113	3.58	chr2	N/A	3	23.44
HOXD-AS2	3.58	chr2	2q31.1	1	0.00
FRY-AS1	3.58	chr13	N/A	1	0.00
Hs.511485	3.58	chr15	N/A	3	13.77
Hs.157388	3.58	chr21	N/A	3	39.03
Hs.606288	3.57	chr14	N/A	1	0.00
Hs.435748	3.57	chr2	N/A	3	26.20
Hs.143374	3.57	chr15	N/A	1	0.00
LINC00536	3.57	chr8	8q23.3	1	0.00
NAPA-AS1	3.57	chr19	N/A	1	0.00
Hs.675084	3.57	chr1	N/A	3	21.41
Hs.528203	3.56	chr3	N/A	3	73.90
Hs.659421	3.56	chr2	N/A	3	12.58
Hs.436163	3.56	chr10	N/A	3	8.35
Hs.713966	3.56	chr15	N/A	2	13.57
Hs.649917	3.56	chr5	N/A	3	53.45
Hs.437660	3.56	chr8	N/A	3	13.22
Hs.733914	3.56	chr7	N/A	2	18.48
Hs.164557	3.56	chr22	N/A	1	0.00
Hs.538035	3.56	chr1	N/A	3	23.61
Hs.701179	3.55	chr7	N/A	1	0.00
Hs.578516	3.55	chr15	N/A	1	0.00
Hs.568672	3.55	chr1	N/A	3	22.05
Hs.380239	3.55	chr8	N/A	3	20.13

Hs.543071	3.55	chr3	N/A	3	6.93
Hs.602068	3.55	chr13	N/A	2	30.32
SPINK8	3.54	chr3	3p21.31	3	14.36
Hs.666285	3.54	chr7	N/A	2	3.48
Hs.635300	3.54	chr16	N/A	7	66.14
OR5H14	3.54	chr3	3q12.1	3	3.60
Hs.576302	3.54	chr1	N/A	3	8.49
Hs.667323	3.54	chr15	N/A	2	10.33
Hs.174743	3.53	chr3	N/A	2	56.35
Hs.604339	3.53	chr4	N/A	7	58.38
Hs.670581	3.53	chr4	N/A	10	17.72
Hs.570923	3.53	chr5	N/A	3	32.76
Hs.667570	3.53	chr3	N/A	1	0.00
Hs.733358	3.53	chr8	N/A	1	0.00
Hs.666813	3.53	chr1	N/A	7	59.17
Hs.601883	3.53	chr6	N/A	1	0.00
Hs.581652	3.53	chr3	N/A	3	11.33
SNORD116-4	3.52	chr15	15q11.2	3	6.11
Hs.613973	3.52	chr15	N/A	1	0.00
Hs.544266	3.52	chr5	N/A	2	10.14
Hs.670471	3.52	chr10	N/A	1	0.00
Hs.665064	3.52	chr2	N/A	1	0.00
Hs.670158	3.51	chr12	N/A	1	0.00
Hs.54707	3.51	chrX	N/A	3	19.49
LOC100507406	3.50	chr6	N/A	3	51.87
LOC644303	3.50	chr6	6q22.31	3	32.26
Hs.671679	3.50	chr1	N/A	3	19.33
LINC00507	3.50	chr12	12q24.32	11	39.90
Hs.656346	3.49	chr14	N/A	11	30.09
Hs.571656	3.49	chr9	N/A	1	0.00
Hs.683604	3.48	chr3	N/A	1	0.00
Hs.662545	3.48	chr14	N/A	1	0.00
Hs.607876	3.48	chr2	N/A	1	0.00
Hs.663193	3.48	chr1	N/A	1	0.00
LOC101060148	3.48	chr11	N/A	10	42.34
Hs.663325	3.48	chr16	N/A	1	0.00
Hs.448912	3.47	chr18	N/A	1	0.00
Hs.713211	3.47	chr7	N/A	10	33.00
Hs.336475	3.47	chr4	N/A	3	19.32
Hs.545203	3.46	chr8	N/A	2	21.74
Hs.577996	3.46	chr13	N/A	3	6.69
TLR8-AS1	3.46	chrX	Xp22.31	11	62.14
Hs.601085	3.46	chr1	N/A	7	34.62
Hs.674889	3.46	chr1	N/A	10	34.80
Hs.659425	3.45	chr3	N/A	1	0.00
SHISA8	3.45	chr22	22q13.2	1	0.00
Hs.68846	3.45	chr19	N/A	10	102.07
Hs.576838	3.45	chr10	N/A	3	15.14
Hs.544103	3.45	chr5	N/A	10	33.96
Hs.670769	3.45	chr6	N/A	1	0.00
Hs.465783	3.44	chr1	N/A	1	0.00
Hs.47308	3.44	chr8	N/A	2	47.60
Hs.543664	3.44	chr4	N/A	3	4.12
Hs.544560	3.44	chr6	N/A	1	0.00
Hs.328157	3.44	chr6	N/A	1	0.00
Hs.566878	3.44	chr8	N/A	7	51.28
Hs.618013	3.44	chr18	N/A	3	12.40
DAOA-AS1	3.44	chr13	13q34	11	67.96
Hs.675159	3.44	chr11	N/A	1	0.00
Hs.669926	3.44	chr7	N/A	1	0.00
Hs.143952	3.43	chr17	N/A	3	9.73
Hs.618449	3.43	chr13	N/A	1	0.00
Hs.537653	3.43	chr1	N/A	2	67.97
LOC100131864	3.43	chr1	1p36.31	11	54.65
Hs.602696	3.43	chr7	N/A	3	27.73
Hs.604064	3.43	chr16	N/A	2	13.07

Hs.563612	3.43	chr2	N/A	1	0.00
LOC440028	3.42	chr11	11p15.4	1	0.00
Hs.572622	3.42	chr19	N/A	3	16.54
Hs.734237	3.42	chr10	N/A	2	32.73
Hs.296529	3.41	chr19	N/A	1	0.00
Hs.494343	3.41	chr9	N/A	1	0.00
Hs.715973	3.41	chr7	N/A	10	39.26
Hs.673119	3.41	chr1	N/A	11	21.50
Hs.732393	3.41	chr10	N/A	11	76.36
Hs.666618	3.41	chr16	N/A	7	35.88
Hs.537838	3.41	chr1	N/A	3	27.89
Hs.658895	3.41	chr10	N/A	1	0.00
Hs.201714	3.41	chr3	N/A	3	14.65
Hs.435064	3.41	chr9	N/A	1	0.00
Hs.582685	3.40	chr6	N/A	2	3.82
Hs.617000	3.40	chr5	N/A	1	0.00
Hs.667172	3.40	chr4	N/A	2	19.97
Hs.651430	3.39	chr11	N/A	1	0.00
Hs.660570	3.39	chr3	N/A	1	0.00
Hs.635003	3.39	chr1	N/A	2	5.84
Hs.666888	3.39	chr7	N/A	8	47.78
Hs.666937	3.39	chr19	N/A	2	27.52
Hs.585572	3.39	chr12	N/A	2	11.71
Hs.584312	3.39	chr9	N/A	3	16.55
Hs.212830	3.39	chr1	N/A	3	15.36
Hs.211704	3.39	chr11	N/A	3	36.21
Hs.604061	3.39	chr6	N/A	2	21.45
Hs.303746	3.39	chr7	N/A	3	29.92
Hs.563099	3.38	chr3	N/A	3	28.98
Hs.470117	3.38	chr2	N/A	2	52.98
LOC255654	3.38	chr1	1q44	1	0.00
Hs.581713	3.38	chr4	N/A	3	15.87
Hs.244341	3.38	chr7	N/A	3	7.01
Hs.711778	3.38	chr7	N/A	3	8.80
Hs.562485	3.38	chr13	N/A	3	15.27
Hs.539743	3.38	chr13	N/A	3	25.55
Hs.570185	3.38	chr2	N/A	2	94.85
Hs.563534	3.38	chr8	N/A	3	8.71
LOC100506258	3.37	chr11	N/A	1	0.00
Hs.583551	3.37	chr7	N/A	3	17.02
Hs.543290	3.37	chr3	N/A	1	0.00
Hs.274911	3.37	chr5	N/A	3	45.90
Hs.554269	3.37	chr4	N/A	3	24.30
Hs.667249	3.37	chr3	N/A	2	71.07
Hs.540131	3.37	chr15	N/A	3	12.48
Hs.659378	3.36	chr14	N/A	10	39.44
Hs.673785	3.36	chr3	N/A	1	0.00
Hs.569191	3.36	chr12	N/A	3	39.82
Hs.733148	3.35	chr11	N/A	10	84.18
Hs.540568	3.35	chr16	N/A	3	15.04
Hs.566697	3.35	chr7	N/A	3	6.61
Hs.121426	3.35	chr2	N/A	2	6.56
Hs.551305	3.35	chr11	N/A	3	26.95
Hs.735461	3.35	chr2	N/A	10	35.62
Hs.659923	3.34	chr2	N/A	1	0.00
Hs.661843	3.34	chr7	N/A	1	0.00
LOC100130654	3.34	chr17	17q21.2	11	39.16
Hs.540312	3.34	chr15	N/A	3	13.54
SNORA74A	3.34	chr5	5q31.2	3	77.98
Hs.614529	3.34	chr4	N/A	8	25.77
Hs.658636	3.33	chr6	N/A	1	0.00
Hs.566754	3.33	chr7	N/A	3	16.30
Hs.604834	3.33	chr4	N/A	1	0.00
Hs.535826	3.33	chr6	N/A	3	11.19
Hs.595738	3.33	chr9	N/A	1	0.00
Hs.132266	3.33	chr8	N/A	2	33.94

GNAS-AS1	3.33	chr20	20q13.32	1	0.00
Hs.607302	3.32	chr4	N/A	3	14.11
Hs.677476	3.32	chr11	N/A	1	0.00
Hs.578386	3.32	chr14	N/A	3	12.54
Hs.736121	3.31	chr11	N/A	3	18.02
Hs.653681	3.31	chr17	N/A	1	0.00
Hs.582245	3.31	chr5	N/A	3	15.78
Hs.122403	3.31	chr21	N/A	3	32.49
Hs.170081	3.31	chr6	N/A	2	72.35
Hs.581577	3.30	chr3	N/A	3	9.66
Hs.663297	3.30	chr15	N/A	2	15.24
Hs.710981	3.30	chr10	N/A	1	0.00
Hs.630812	3.30	chr15	N/A	10	75.87
LOC729770	3.30	chr2	2q36.1	1	0.00
SH3PXD2A-AS1	3.30	chr10	N/A	1	0.00
Hs.737367	3.29	chr7	N/A	1	0.00
LINC00297	3.29	chr13	N/A	3	3.54
Hs.551420	3.29	chr2	N/A	3	26.72
Hs.667495	3.29	chr12	N/A	1	0.00
Hs.196849	3.29	chr7	N/A	4	27.83
Hs.601122	3.28	chr1	N/A	10	44.26
Hs.636703	3.28	chr15	N/A	1	0.00
LOC731223	3.28	chr14	14q24.3	1	0.00
KRTAP5-6	3.28	chr11	11p15.5	3	8.06
Hs.544544	3.28	chr6	N/A	3	9.73
ZNF32-AS3	3.27	chr10	10q11.21	2	13.47
Hs.524849	3.27	chr12	N/A	3	16.87
Hs.673097	3.27	chr15	N/A	1	0.00
Hs.558864	3.27	chr16	N/A	2	9.56
Hs.658829	3.27	chr11	N/A	2	24.96
Hs.665810	3.26	chr17	N/A	10	55.22
Hs.657298	3.26	chr15	N/A	2	9.73
Hs.734315	3.26	chr6	N/A	3	83.32
Hs.543831	3.25	chr5	N/A	5	57.05
Hs.734302	3.25	chr16	N/A	2	5.41
Hs.199475	3.25	chr1	N/A	3	17.62
WWTR1-AS1	3.25	chr3	3q25.1	1	0.00
Hs.596364	3.25	chr12	N/A	10	58.80
Hs.306823	3.24	chr8	N/A	1	0.00
LINC00559	3.24	chr13	N/A	1	0.00
Hs.565435	3.24	chr2	N/A	3	17.61
Hs.733755	3.24	chr5	N/A	1	0.00
Hs.659551	3.24	chr3	N/A	2	2.58
Hs.585190	3.24	chr1	N/A	2	26.96
Hs.668948	3.24	chr18	N/A	1	0.00
Hs.542512	3.24	chr20	N/A	3	12.00
Hs.667248	3.24	chr3	N/A	2	82.42
Hs.521785	3.23	chr8	N/A	3	9.35
Hs.662384	3.23	chr9	N/A	1	0.00
Hs.710964	3.23	chr4	N/A	1	0.00
Hs.245028	3.23	chr2	N/A	3	22.83
Hs.560644	3.23	chr19	N/A	3	17.12
Hs.566957	3.23	chr9	N/A	3	17.58
Hs.624271	3.23	chr15	N/A	1	0.00
Hs.613976	3.23	chr9	N/A	3	28.94
Hs.553957	3.23	chr5	N/A	1	0.00
Hs.611514	3.22	chr21	N/A	3	55.08
AREGB	3.22	chr4	4q13.3	1	0.00
Hs.664722	3.22	chr12	N/A	1	0.00
LOC645645	3.22	chr1	1q42.3	3	28.08
Hs.595077	3.21	chr2	N/A	10	81.14
Hs.659667	3.21	chr11	N/A	1	0.00
Hs.668561	3.21	chr8	N/A	1	0.00
Hs.516555	3.21	chr2	N/A	3	12.13
Hs.622884	3.21	chr5	N/A	1	0.00
Hs.636430	3.21	chr7	N/A	10	36.68

Hs.577901	3.21	chr13	N/A	3	18.77
Hs.122456	3.21	chr4	N/A	3	5.69
Hs.716018	3.21	chr10	N/A	1	0.00
Hs.554288	3.20	chr5	N/A	3	17.31
Hs.542173	3.20	chr2	N/A	3	20.40
Hs.147953	3.20	chr1	N/A	3	70.61
Hs.736053	3.20	chr9	N/A	5	35.23
Hs.140547	3.20	chr9	N/A	1	0.00
Hs.640888	3.19	chr7	N/A	3	14.44
Hs.674387	3.19	chr4	N/A	2	1.77
Hs.572375	3.19	chr16	N/A	3	15.62
Hs.687014	3.19	chr10	N/A	1	0.00
Hs.542956	3.19	chr3	N/A	3	38.62
FLJ40606	3.19	chr20	20q13.12	8	46.52
TAS1R3	3.19	chr1	1p36.33	3	21.06
LINC00858	3.18	chr10	10q23.1	1	0.00
Hs.613664	3.18	chr9	N/A	1	0.00
Hs.736927	3.18	chr7	N/A	2	31.29
Hs.252895	3.18	chr5	N/A	1	0.00
PCDHGA1	3.18	chr5	5q31	3	3.52
Hs.132350	3.18	chr3	N/A	2	7.31
LOC339442	3.17	chr1	1p34.3	1	0.00
LOC100506630	3.17	chrX	N/A	2	80.88
Hs.91145	3.17	chr2	N/A	1	0.00
Hs.545119	3.17	chr7	N/A	3	11.13
Hs.610117	3.17	chr20	N/A	1	0.00
Hs.659253	3.16	chr4	N/A	3	26.81
Hs.635285	3.16	chr19	N/A	1	0.00
Hs.407014	3.16	chr13	N/A	2	18.67
Hs.200048	3.15	chr2	N/A	3	15.79
Hs.553318	3.15	chr10	N/A	3	20.95
Hs.147149	3.15	chr2	N/A	3	18.64
Hs.670442	3.14	chr6	N/A	15	39.32
Hs.624779	3.14	chr16	N/A	1	0.00
Hs.667672	3.13	chr19	N/A	2	66.78
Hs.656576	3.13	chr8	N/A	1	0.00
Hs.670299	3.13	chr6	N/A	1	0.00
Hs.668370	3.13	chrX	N/A	1	0.00
LOC100131608	3.13	chr8	8p23.1	1	0.00
Hs.577215	3.12	chr11	N/A	3	17.58
Hs.634554	3.12	chr1	N/A	3	14.68
Hs.562136	3.12	chr1	N/A	1	0.00
Hs.656381	3.12	chr8	N/A	1	0.00
Hs.550832	3.11	chr10	N/A	1	0.00
Hs.187273	3.11	chr11	N/A	3	7.63
Hs.638462	3.11	chr15	N/A	10	35.40
Hs.545543	3.10	chr8	N/A	3	14.73
Hs.736236	3.10	chr12	N/A	1	0.00
Hs.516026	3.10	chr2	N/A	8	44.16
Hs.603641	3.10	chr2	N/A	2	17.81
Hs.635078	3.10	chr4	N/A	2	19.52
Hs.667100	3.09	chr3	N/A	1	0.00
Hs.634557	3.09	chr15	N/A	1	0.00
Hs.735749	3.09	chr13	N/A	1	0.00
Hs.665046	3.09	chr4	N/A	1	0.00
Hs.285214	3.09	chr21	N/A	1	0.00
Hs.582599	3.09	chr6	N/A	3	24.92
Hs.171169	3.09	chr8	N/A	2	13.12
Hs.603204	3.09	chr15	N/A	2	27.27
Hs.668033	3.09	chr3	N/A	1	0.00
Hs.308137	3.09	chr21	N/A	2	15.50
Hs.663140	3.09	chr3	N/A	1	0.00
LOC100506013	3.08	chr4	4q32	1	0.00
Hs.671169	3.08	chr2	N/A	1	0.00
Hs.127655	3.07	chr13	N/A	7	21.31
Hs.633416	3.07	chr2	N/A	10	47.44

ISM1-AS1	3.07	chr20	N/A	1	0.00
Hs.543074	3.07	chr3	N/A	3	20.54
LOC645739	3.06	chr13	13q12.11	1	0.00
Hs.673247	3.06	chr18	N/A	2	70.82
Hs.559523	3.06	chr9	N/A	4	17.13
Hs.603327	3.06	chr12	N/A	1	0.00
Hs.675495	3.06	chr3	N/A	1	0.00
Hs.436378	3.06	chr5	N/A	2	19.63
Hs.663556	3.06	chr4	N/A	1	0.00
LOC729652	3.06	chr16	16p13.3	2	24.52
LOC100507534	3.06	chr16	N/A	1	0.00
Hs.730000	3.05	chr8	N/A	1	0.00
LOC286190	3.05	chr8	8q13.2	1	0.00
Hs.734182	3.05	chr3	N/A	1	0.00
Hs.397672	3.05	chr3	N/A	2	15.01
Hs.114322	3.05	chr17	N/A	1	0.00
Hs.474905	3.05	chr22	N/A	8	36.87
Hs.675459	3.05	chr5	N/A	1	0.00
Hs.291069	3.05	chr4	N/A	3	22.11
Hs.568509	3.05	chr1	N/A	5	54.66
Hs.560758	3.05	chr2	N/A	3	6.32
Hs.409321	3.04	chr6	N/A	2	82.42
Hs.573685	3.04	chr1	N/A	3	13.32
Hs.645915	3.04	chr11	N/A	2	48.21
Hs.141055	3.04	chr18	N/A	2	25.17
TRAJ17	3.04	chr14	14q11	1	0.00
Hs.564162	3.04	chr10	N/A	3	13.65
LOC100505878	3.03	chr5	N/A	11	53.31
Hs.636910	3.03	chr12	N/A	10	37.15
LOC441009	3.02	chr4	4p15.33	1	0.00
Hs.559969	3.01	chr11	N/A	1	0.00
Hs.676482	3.01	chr10	N/A	1	0.00
LOC728158	3.01	chr10	10q26.2	3	56.63
Hs.601790	3.01	chr11	N/A	1	0.00
Hs.675857	3.01	chr11	N/A	1	0.00
Hs.670313	3.01	chr11	N/A	1	0.00
Hs.156398	3.00	chr8	N/A	1	0.00
Hs.657087	3.00	chr4	N/A	1	0.00
Hs.593637	3.00	chr3	N/A	8	21.94
Hs.729545	3.00	chr2	N/A	1	0.00
Hs.638836	3.00	chr14	N/A	3	6.29
Hs.134876	2.99	chr16	N/A	1	0.00
Hs.729672	2.99	chrX	N/A	2	10.49
Hs.611048	2.98	chr5	N/A	3	13.89
Hs.445169	2.97	chrX	N/A	1	0.00
Hs.674441	2.97	chr9	N/A	1	0.00
Hs.131289	2.97	chr7	N/A	2	12.23
Hs.671728	2.96	chr15	N/A	1	0.00
Hs.597071	2.96	chr8	N/A	2	82.18
Hs.674030	2.96	chr14	N/A	1	0.00
LINC00893	2.95	chrX	Xq28	8	39.70
Hs.541516	2.95	chr2	N/A	2	5.60
Hs.670153	2.95	chr13	N/A	1	0.00
Hs.543515	2.95	chr4	N/A	3	28.15
LOC401324	2.95	chr7	7p14.2	1	0.00
Hs.649121	2.95	chr19	N/A	1	0.00
NEBL-AS1	2.95	chr10	10p12.31	1	0.00
Hs.565938	2.94	chr3	N/A	3	24.35
Hs.737523	2.94	chr11	N/A	1	0.00
Hs.652488	2.93	chr5	N/A	11	52.38
Hs.634966	2.93	chr17	N/A	1	0.00
Hs.602647	2.93	chr8	N/A	3	80.71
LOC100505676	2.93	chr8	N/A	1	0.00
Hs.538486	2.93	chr10	N/A	2	5.26
Hs.246477	2.92	chrX	N/A	1	0.00
Hs.578613	2.92	chr15	N/A	3	3.40

Hs.656554	2.92	chr17	N/A	2	5.31
Hs.658026	2.92	chr17	N/A	8	39.01
Hs.684149	2.91	chr21	N/A	1	0.00
Hs.663585	2.91	chr3	N/A	1	0.00
Hs.550863	2.91	chr11	N/A	5	44.46
Hs.606954	2.91	chr16	N/A	1	0.00
Hs.618005	2.91	chr17	N/A	1	0.00
Hs.317740	2.90	chr3	N/A	1	0.00
Hs.660052	2.90	chr3	N/A	1	0.00
Hs.660651	2.90	chr9	N/A	1	0.00
Hs.660628	2.90	chr16	N/A	1	0.00
Hs.657877	2.89	chr3	N/A	1	0.00
LOC285889	2.89	chr7	7q36.3	1	0.00
Hs.670752	2.89	chr3	N/A	1	0.00
Hs.621964	2.88	chr17	N/A	10	46.70
Hs.544283	2.88	chr5	N/A	2	5.60
Hs.703788	2.88	chr18	N/A	1	0.00
Hs.670054	2.87	chr4	N/A	1	0.00
Hs.658049	2.87	chr17	N/A	1	0.00
Hs.459847	2.86	chr16	N/A	8	52.16
LINC00645	2.85	chr14	N/A	1	0.00
Hs.180758	2.84	chr10	N/A	1	0.00
Hs.132620	2.83	chr2	N/A	2	11.86
Hs.726773	2.83	chr19	N/A	3	66.68
LOC100127951	2.83	chr16	16q22.2	10	63.47
Hs.287523	2.83	chr2	N/A	1	0.00
Hs.282871	2.83	chr10	N/A	1	0.00
Hs.637980	2.82	chr11	N/A	10	48.33
Hs.634670	2.82	chr9	N/A	2	19.78
TMLHE-AS1	2.82	chrX	N/A	1	0.00
Hs.272317	2.82	chr22	N/A	1	0.00
LOC338797	2.82	chr12	12q24.33	3	14.75
Hs.171270	2.82	chr2	N/A	3	18.51
Hs.662499	2.81	chr9	N/A	1	0.00
Hs.35090	2.81	chr13	N/A	1	0.00
Hs.622876	2.81	chr6	N/A	1	0.00
Hs.671908	2.80	chr15	N/A	1	0.00
Hs.649960	2.80	chr4	N/A	1	0.00
Hs.657489	2.80	chr12	N/A	1	0.00
Hs.568660	2.80	chr1	N/A	1	0.00
Hs.603979	2.79	chr4	N/A	1	0.00
Hs.671307	2.79	chr13	N/A	1	0.00
Hs.741809	2.79	chr16	N/A	2	8.42
LOC730202	2.78	chr14	14q32.2	1	0.00
Hs.680066	2.78	chr15	N/A	1	0.00
LOC100128175	2.78	chr3	3q13.31	2	20.16
Hs.665497	2.78	chr2	N/A	1	0.00
Hs.410860	2.78	chr9	N/A	1	0.00
Hs.659009	2.76	chr5	N/A	1	0.00
Hs.659966	2.76	chr9	N/A	1	0.00
LINC00102	2.76	chrX	Xp22.33 and Yp11	1	0.00
SNORD42A	2.75	chr17	17q11	3	9.94
Hs.668123	2.75	chr2	N/A	2	43.32
Hs.658480	2.75	chr11	N/A	1	0.00
Hs.100235	2.75	chr5	N/A	1	0.00
FAM27D1	2.75	chr9	9p11.2	1	0.00
Hs.665318	2.74	chr7	N/A	1	0.00
LOC100507384	2.74	chr11	N/A	1	0.00
Hs.622766	2.73	chr6	N/A	1	0.00
Hs.650614	2.73	chr1	N/A	1	0.00
Hs.664673	2.72	chr19	N/A	1	0.00
Hs.644952	2.72	chr6	N/A	5	36.55
Hs.667610	2.71	chr16	N/A	2	3.65
Hs.158853	2.71	chr5	N/A	1	0.00
Hs.566176	2.70	chr4	N/A	3	7.43
Hs.712183	2.70	chr6	N/A	3	17.82

Hs.435762	2.70	chr14	N/A	1	0.00
LOC100289092	2.69	chr16	16p11.2	2	71.69
Hs.710001	2.68	chr16	N/A	1	0.00
Hs.676585	2.68	chr2	N/A	1	0.00
C10orf115	2.68	chr10	10p12.2	3	23.64
Hs.665392	2.68	chr11	N/A	1	0.00
Hs.128619	2.67	chr9	N/A	1	0.00
Hs.680355	2.67	chr2	N/A	1	0.00
Hs.685031	2.67	chr2	N/A	1	0.00
LOC100507462	2.66	chr6	N/A	1	0.00
Hs.307690	2.66	chr10	N/A	2	82.96
Hs.695417	2.66	chr3	N/A	1	0.00
Hs.582552	2.66	chr5	N/A	1	0.00
Hs.680824	2.65	chr1	N/A	1	0.00
TRG	2.65	chr7	7p14	2	90.69
Hs.518877	2.63	chr4	N/A	1	0.00
Hs.385622	2.63	chr3	N/A	1	0.00
Hs.664474	2.62	chr7	N/A	1	0.00
Hs.22495	2.61	chr8	N/A	1	0.00
Hs.658695	2.61	chr3	N/A	1	0.00
LOC100652783	2.61	chr5	N/A	2	68.27
LINC00624	2.61	chr1	1q21.1	1	0.00
Hs.550639	2.61	chr13	N/A	2	93.30
Hs.566451	2.60	chr6	N/A	1	0.00
Hs.668657	2.60	chr20	N/A	1	0.00
Hs.611927	2.60	chr6	N/A	1	0.00
Hs.671802	2.59	chr20	N/A	1	0.00
Hs.639381	2.59	chr3	N/A	1	0.00
Hs.131846	2.58	chr11	N/A	1	0.00
Hs.156135	2.58	chr1	N/A	8	58.55
C3orf80	2.57	chr3	3q25.33	8	39.74
Hs.711299	2.57	chr17	N/A	1	0.00
Hs.112948	2.57	chr6	N/A	2	21.36
Hs.308597	2.55	chr17	N/A	1	0.00
Hs.128386	2.55	chr11	N/A	1	0.00
Hs.132327	2.52	chr17	N/A	2	94.77
Hs.556898	2.52	chr1	N/A	1	0.00
Hs.552711	2.51	chr17	N/A	1	0.00
Hs.706185	2.50	chr1	N/A	1	0.00
Hs.733839	2.50	chr4	N/A	1	0.00
Hs.453857	2.50	chr8	N/A	1	0.00
Hs.562419	2.47	chr12	N/A	2	110.15
Hs.87271	2.46	chr1	N/A	1	0.00
Hs.145240	2.46	chr1	N/A	2	46.68
CSTF3-AS1	2.45	chr11	11p13	1	0.00
Hs.662980	2.43	chr7	N/A	1	0.00
Hs.216363	2.43	chr1	N/A	1	0.00
Hs.557661	2.39	chr2	N/A	2	45.45
Hs.537255	2.35	chr16	N/A	2	74.61
Hs.636000	2.35	chr1	N/A	1	0.00
Hs.672053	2.35	chr7	N/A	1	0.00
Hs.734112	2.35	chr4	N/A	2	79.75
Hs.666317	2.32	chr5	N/A	2	92.80
Hs.744204	2.28	chr2	N/A	1	0.00
Hs.658173	2.26	chr5	N/A	1	0.00
Hs.572830	2.25	chr20	N/A	1	0.00
Hs.537402	2.25	chr4	N/A	2	36.71
Hs.738508	2.21	chr8	N/A	10	56.07
Hs.601660	2.19	chr10	N/A	1	0.00
Hs.680160	2.18	chr17	N/A	2	108.86
LOC100996592	2.16	chr1	N/A	1	0.00
Hs.667218	2.12	chr19	N/A	2	14.26
Hs.561688	2.12	chr7	N/A	1	0.00
Hs.556850	2.10	chrX	N/A	1	0.00
Hs.549598	2.06	chr2	N/A	1	0.00
Hs.696306	2.06	chr4	N/A	1	0.00

Hs.133389	2.05	chr16	N/A	2	123.45
LOC285547	2.02	chr4	4p15.33	1	0.00
Hs.652662	2.00	chr7	N/A	1	0.00
Hs.385522	1.98	chr18	N/A	1	0.00
LOC100286925	1.98	chr22	22q11.22	1	0.00
Hs.710129	1.94	chr6	N/A	2	82.54
Hs.154606	1.93	chr10	N/A	2	114.54
Hs.579230	1.92	chr17	N/A	1	0.00
Hs.674562	1.92	chr15	N/A	1	0.00
LOC100128594	1.89	chrX	Xq22.2	1	0.00
C12orf77	1.89	chr12	12p12.1	1	0.00
Hs.490817	1.83	chr7	N/A	2	103.79
Hs.434652	1.75	chr19	N/A	1	0.00
Hs.258228	1.75	chr1	N/A	2	111.68
Hs.618417	1.72	chr3	N/A	1	0.00
Hs.650324	1.72	chr2	N/A	1	0.00
Hs.675355	1.69	chr2	N/A	1	0.00
Hs.744314	1.65	chr2	N/A	1	0.00
Hs.737046	1.65	chr16	N/A	1	0.00
Hs.555936	1.61	chrX	N/A	1	0.00
Hs.671475	1.60	chr6	N/A	1	0.00
Hs.669243	1.59	chr19	N/A	1	0.00
Hs.611493	1.57	chr9	N/A	1	0.00
Hs.668104	1.55	chr10	N/A	2	103.05
Hs.723371	1.53	chr14	N/A	1	0.00
Hs.675484	1.41	chr2	N/A	1	0.00
Hs.691845	1.36	chr19	N/A	1	0.00
Hs.736922	1.35	chr12	N/A	1	0.00
LOC100131763	1.32	chr2	2q37.3	1	0.00
Hs.710901	1.30	chr22	N/A	1	0.00
PSORS1C3	1.27	chr6	6p21.33	1	0.00
Hs.658745	1.27	chr15	N/A	1	0.00
Hs.658019	1.25	chr4	N/A	1	0.00
LOC286442	1.24	chrX	Xp11.4	1	0.00
Hs.606266	1.23	chr6	N/A	1	0.00
Hs.677802	1.22	chr18	N/A	1	0.00
LOC100507194	1.21	chr6	N/A	1	0.00
LOC100127974	1.12	chr12	12p13.31	1	0.00
Hs.633017	1.12	chr13	N/A	1	0.00
Hs.668428	1.12	chr7	N/A	1	0.00
Hs.658447	1.10	chr16	N/A	1	0.00
Hs.608057	1.05	chrX	N/A	1	0.00
LINC00684	1.04	chrX	Xq13.2	1	0.00
Hs.667491	1.03	chr14	N/A	1	0.00
Hs.666690	0.99	chr7	N/A	1	0.00
PXN-AS1	0.93	chr12	N/A	1	0.00
Hs.659431	0.91	chr2	N/A	1	0.00
LOC286184	0.88	chr8	8q12.3	1	0.00
Hs.745357	0.87	chr8	N/A	1	0.00
Hs.616640	0.85	chrX	N/A	1	0.00
Hs.659887	0.83	chr4	N/A	1	0.00
Hs.658285	0.78	chr6	N/A	1	0.00
Hs.614053	0.73	chr16	N/A	1	0.00
Hs.566286	0.71	chr5	N/A	1	0.00
Hs.735197	0.70	chr6	N/A	1	0.00
Hs.365692	0.70	chr5	N/A	1	0.00
Hs.676392	0.69	chr1	N/A	1	0.00
Hs.666143	0.68	chr2	N/A	1	0.00
LOC400692	0.63	chr19	19q13.12	1	0.00
ZNF852	0.62	chr3	3p21.31	1	0.00
Hs.559848	0.60	chr10	N/A	2	72.19
Hs.666722	0.53	chr16	N/A	1	0.00
Hs.606045	0.51	chr15	N/A	1	0.00
Hs.591590	0.49	chr2	N/A	1	0.00
Hs.599244	0.49	chr10	N/A	1	0.00
Hs.681718	0.41	chr2	N/A	1	0.00

Hs.657154	0.38	chr3	N/A	1	0.00
LOC284950	0.37	chr2	2p11.2	1	0.00
Hs.585044	0.30	chr2	N/A	1	0.00