

Supplementary Material (Supplementary Table 1)

A quantitative transcriptome reference map of the normal human brain

Neurogenetics

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Supplementary Table 1 Samples selected for the meta-analysis of gene expression profiles in adult brain (pool 'A'), male adult brain (pool 'A.1'), female adult brain (pool 'A.2'), foetal brain (pool 'C'), cerebellum (pool 'D'), and cerebral cortex (pool 'E').

Study ID	Sample ID	Sex	Sample type	Sample collection	Post-mortem interval	Platform	Microarray	Spots	References
Pool 'A' Adult brain (39,250 mapped loci following analysis by TRAM) (n=60)									
A1...A3 (n=3)	CS1...3*	N/A	Whole brain	Commercial human brain total RNA from donors	N/A	A-AFFY-44*	Affimetrix U133 Plus 2.0 Array	N/A	[1]
A4 - A5 (n=2)	GSM2828 GSM2837	"	"	"	N/A	GPL91	Affymetrix U95A	12,626	[2]
A6...A9 (n=4)	GSM18762 - 63 GSM18921 - 22	M/F mix	"	"	N/A	GPL1074 GPL96	GNF1H Affimetrix U133A	22,639 22,283	[3]

A10 (n=1)	GSM44690	N/A	"	"	N/A	GPL96	Affimetrix U133A	22,283	[4]
A11 (n=1)	GSM52556	"	"	Institutions participating in the study	N/A	GPL96	Affymetrix U133A	22,283	[5, 6]
A12 - 13 (n=2)	GSM76949 - 99	1 M 1 F	"	Commercial human brain total RNA from donors	N/A	GPL570	Affimetrix U133 Plus 2.0	54,675	[7]
A14...A17 (n=4)	GSM88577...80	N/A	"	"	N/A	GPL1426	ABI Version 1	33,202	N/A
A18...A21 (n=4)	GSM89144...47	"	"	N/A		GPL1708	Agilent- 012391 G4112A	44,290	N/A
A22...A29 (n=8)	GSM123271...78	7 M 1 F	"	Institutions participating in the study	10 h - 47 h	GPL96	Affimetrix U133A	22,283	[8]
A30 (n=1)	GSM136140	F	"	Commercial human brain total RNA from donors	N/A	GPL96	Affimetrix U133A	22,283	N/A
A31 - A32 (n=2)	GSM201398 - 99	M/F mix from at least 3 people	"	"	N/A	GPL1291	Hitachisoft AceGene Human Oligo Chip 30K 1	30,336	[9]
A33...A37 (n=5)	GSM339552...56	N/A	"	Institutions participating in the study	N/A	GPL96	Affimetrix U133A	22,283	[10]
A38...A44 (n=7)	GSM357538...44	"	"	"	N/A	GPL6102	Illumina human-6 v2.0	48,702	[11]
A45...A48 (n=4)	GSM492649 GSM525014...16	2 M 2 F	"	"	0 h or snap- freezing	GPL570	Affimetrix U133 Plus 2.0	54,675	[12]
A49...A57 (n=9)	GSM697483...91	N/A		"	16.5 - 24 h	GPL570	Affimetrix U133 Plus 2.0	54,675	[13]
A58...A60 (n=3)	GSM790820 - 29 - 38	3 M	"	Commercial human brain total RNA from	N/A	GPL4133	Agilent- 014850	45,220	[14]

				donors			G4112F		
Pool 'A.1'									
Male brain (27,437 mapped loci following analysis by TRAM)									
n=13									
A1 (n=1)	GSM76949	M	Whole Brain	Commercial human brain total RNA from donors	N/A	GPL570	Affimetrix U133 Plus 2.0	54,675	[7]
A2...A8 (n=7)	GSM123271 - 73...78	7 M	"	Institutions participating in the study	10 h - 47 h	GPL96	Affimetrix U133A	22,283	[8]
A9 - A10 (n=2)	GSM492649 GSM525016	2 M	"	"	0 h or snap- freezing	GPL570	Affimetrix U133 Plus 2.0	54,675	[12]
A11...13 (n=3)	GSM790820 - 29 - 38	3 M	"	Commercial human brain total RNA from donors	N/A	GPL4133	Agilent- 014850 G4112F	45,220	[14]
Pool 'A.2'									
Female brain (25,954 mapped loci following analysis by TRAM)									
n=5									
A1 (n=1)	GSM76999	1 F	Whole Brain	Commercial human brain total RNA from donors	N/A	GPL570	Affimetrix U133 Plus 2.0	54,675	[7]
A2 (n=1)	GSM123272	1 F	"	Institutions participating in the study	10 h - 47 h	GPL96	Affimetrix U133A	22,283	[8]
A3 (n=1)	GSM136140	1 F	"	Commercial human brain total RNA from donors	N/A	GPL96	Affimetrix U133A	22,283	N/A
A4 - A5 (n=2)	GSM525014 - 15	2 F	"	"	N/A	GPL4133	Agilent- 014850 G4112F	45,220	[14]
Pool 'C'									
Foetal brain (38,482 mapped loci following analysis by TRAM)									
(n=35)									
C1 - C2 (n=2)	GSM2883 - 95	N/A	Foetal brain	Commercial human brain total RNA from donors	N/A	GPL91	Affymetrix U95A	12,626	[2]

C3 - C4 (n=2)	GSM18786 - 87	"	"	"	N/A	GPL1074	GNF1H	22,639	[3]
C5 - C6 (n=2)	GSM18945 - 46	"	"	"	N/A	GPL96	Affymetrix U133A	22,283	[3]
C7...C10 (n=4)	GSM22523 - 24 GSM22526 - 27	3 F 1 M	"	Institutions participating in the study	1h - 2 h	GPL96	Affymetrix U133A	22,283	[15]
C11 (n=1)	GSM44691	N/A	"	Commercial human brain total RNA from donors	N/A	GPL96	Affymetrix U133A	22,283	[4]
C12 (n=1)	GSM90305	"	"	"		GPL8300	Affymetrix U95 Version 2	12,625	[16-18]
C13 (n=1)	GSM175909	M/F mix	"	"	N/A	GPL570	Affymetrix U133 Plus 2.0	54,675	N/A
C14...C16 (n=3)	GSM194474...76	N/A	"	"	N/A	GPL2986	ABI Version 2	32,878	[19]
C17 - C18 (n=2)	GSM201358 - 59	"	"	"		GPL1291	Hitachisoft AceGene Human Oligo Chip 30K 1	30,336	[9]
C19 (n=1)	GSM323569	F	"	"		GPL96	Affymetrix U133A	22,283	[20]
C20...C26 (n=7)	GSM357531...37	N/A	"	Institutions participating in the study		GPL6102	Illumina human-6 v2.0	48,702	[11]
C27...C32 (n=6)	GSM698066 - 67 - 70 - 71 - 76 - 77	"	"	N/A	N/A	GPL6102	Illumina human-6 v2.0	48,702	[21]
C33 - C34 (n=2)	GSM774047 - 48	"	"	N/A	N/A	GPL96	Affymetrix U133A	22,283	[22]
C35 (n=1)	GSM837754	"	"	Commercial human brain total RNA from donors	N/A	GPL570	Affymetrix U133 Plus 2.0	22,283	[23]

Pool 'D'

Cerebellum (38,163 mapped loci following analysis by TRAM)

(n=140)									
D1 - D2 (n=2)	GSM2849 - 50	N/A	Cerebellum	Commercial human brain total RNA from donors	N/A	GPL91	Affymetrix U95A	12,626	[2]
D3 - D4 (n=2)	GSM18758 - 59	"	"	"	N/A	GPL1074	GNF1H	22,639	[3]
D5 - D6 (n=2)	GSM18917 -18	"	"	"	"	GPL96	Affymetrix U133A	22,283	[3]
D7 (n=1)	GSM44689	"	"	"	"	GPL96	Affymetrix U133A	22,283	[4]
D8...D16 (n=9)	GSM80616...19 GSM80626 GSM80636...39	4 M 5 F	"	Institutions participating in the study	8.5h	GPL570	Affymetrix U133 Plus 2.0	54,675	[24]
D17...D43 (n=27)	GSM87058 GSM87064...66 GSM87071...75 GSM87085...102	16 M 11 F	"	"	N/A	GPL96	Affymetrix U133A	22,283	[25]
D44...D71 (n=28)	GSM87124 GSM87130...32 GSM87137...41 GSM87151...69	11 F 17 M	"	"	N/A	GPL97	Affymetrix U133B	22,645	[25]
D72...D85 (n=14)	GSM92460 GSM92475...87	N/A	"	"	"	GPL570	Affymetrix U133 Plus 2.0	54,675	N/A
D86...D94 (n=9)	GSM175852...54 GSM175907 GSM176048 GSM176157...60	4 M 4 F M/F mix	"	Commercial human brain total RNA from donors	N/A	GPL570	Affymetrix U133 Plus 2.0	54,675	N/A
D95...D97 (n=3)	GSM182707 - 11 - 17	1 F 2 M	"	Institutions participating in the study	N/A	GPL8300	Affymetrix U95 Version 2	12,625	[26]
D98 - D99 (n=2)	GSM201354 - 55	N/A	"	Commercial human brain total RNA from donors	N/A	GPL1291	Hitachisoft AceGene Human Oligo Chip 30K 1	30,336	[9]
D100 - D101 (n=2)	GSM323566 - 67	M	"	"	N/A	GPL96	Affymetrix U133A	22,283	[20]

D102...D106 (n=5)	GSM329662 - 65 - 68 - 71 - 73	N/A	"	Institutions participating in the study		GPL571	Affymetrix U133A 2.0	22,277	[27]
D107 - D108 (n=2)	GSM329675 - 76	"	"	"	"	GPL96	Affymetrix U133A	22,283	[27]
D109...D112 (n=4)	GSM509109 - 10 - 12 - 14	3 M 1 F	"	"	24 h	GPL96	Affymetrix U133A	22,283	[28]
D113...D124 (n=12)	GSM698060...65 GSM698068 - 69 GSM698072...75	N/A	"	"		GPL6102	Illumina human-6 v2.0	48,702	[21]
D125...D138 (n=14)	GSM715970...83	6 M 8 F	"	"		GPL6104	Illumina humanRef-8 v2.0	22,185	N/A
D139 - D140 (n=2)	GSM774043 - 44	N/A	"	N/A	N/A	GPL96	Affymetrix U133A	22,283	[22]
Pool 'E'									
Cerebral Cortex (27,504 mapped loci following analysis by TRAM)									
(n=18)									
E1 (n=1)	GSM2820	N/A	Cerebral Cortex	Commercial human brain total RNA from donors	N/A	GPL91	Affymetrix U95A	12,626	[2]
E2...E10 (n=9)	GSM80627 GSM80640...43 GSM80650...53	4 M 5 F	"	Institutions participating in the study	8.5h	GPL570	Affymetrix U133 Plus 2.0	54,675	[24]
E11...E15 (n=5)	GSM176049 GSM176161...64	1 M 4 F	"	Commercial human brain total RNA from donors	N/A	GPL570	Affymetrix U133 Plus 2.0	54,675	N/A
E16..E18 (n=3)	GSM809181...83	1 F 2 M	"	Institutions participating in the study	N/A	GPL4133	Agilent- 014850 G4112F	45,015	[29]

From the left to right: our study ID; GEO (Gene Expression Omnibus) sample ID; sex, when it is available; sample type; sample collection; post-mortem interval (PMI) before freezing; GEO platform name; platform type; platform spot number and GEO experiment reference. All sample IDs and platforms IDs marked with * are related to ArrayExpress database. N/A: not available.

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