

**Supplementary Table S6:** Primer pairs used to validate whole heart TRAM map

<b>Gene Symbol</b>	<b>Gene Name</b>	<b>RefSeq RNA GenBank Accession No.</b>	<b>Primer pair sequences (5' → 3')*</b>	<b>RT-PCR product size (base pair)</b>
<b><i>MYL2</i></b>	myosin, light chain 2, regulatory, cardiac, slow	NM_000432	gcgagtgaacgtgaaaatgaag gaatggttctcagggtccg	<b>128</b>
<b><i>NDUFA4</i></b>	NDUFA4, mitochondrial complex associated	NM_002489	aacaaactgggtcccaatgatc ttgtgcggatgtggcttctgg	<b>151</b>
<b><i>RYR2</i></b>	ryanodine receptor 2 (cardiac)	NM_001035	gaaacagaacacacaggacagg gctggtcttcatactgtttccg	<b>109</b>
<b><i>SERPINF1</i></b>	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	NM_002615	ggctgtctccaacttcggcta cggtgaatgatggattctgttcg	<b>150</b>
<b><i>RCAN1</i></b>	regulator of calcineurin 1	NM_004414	ctggagcttcattgactgcgag gtgatgtccttgcatacgtcc	<b>153</b>
<b><i>LRP5</i></b>	low density lipoprotein receptor-related protein 5	NM_002335	cttcccgcacgagtatgtcag agctcatcatggactttccgc	<b>116</b>
<b><i>SVOP</i></b>	SV2 related protein homolog (rat)	NM_018711	tgcatttgcgcccgttatag acctcgaacactgtcccgatg	<b>174</b>

\* Top: forward primer; bottom: reverse primer (for each gene).