

SUPPLEMENTAL MATERIAL

Lv et al., <https://doi.org/10.1084/jem.20150906>

Table S1. qPCR primers used in this study

Mouse gene	Primer sequence	Length	Mouse gene	Primer sequence	Length
		bp			
gapdh F	5'-TCCCACCTCCACCTTCGATGC-3'	247	htr5a R	5'-GGACCGTGAACACCATCT-3'	
gapdh R	5'-GGGTCTGGGATGAAATTGTGAGG-3'		htr5b F	5'-ACAAAGCCCCAAATTC-3'	106
runx1 F	5'-GCCTCTCTGCAGAACCTTC-3'	88	htr5b R	5'-GTGAACACCATCTCAGACT-3'	
runx1 R	5'-GACGCCAGACTAGGGAAC TG-3'		htr6 F	5'-TCCTGCTGAGCATGTTCT-3'	95
gfi1 F	5'-TCCGAGTTCGAGGACTTTG-3'	122	htr6 R	5'-ATCGAAGAGACCTGGAGAG-3'	
gfi1 R	5'-CATGCATAGGGCTTGAAGG-3'		htr7 F	5'-CTTCTCTGAAACGTCCTC-3'	102
tph1 F	5'-AACAAAGACCATTCCCGAACAG-3'	119	htr7 R	5'-CTGGTGTACCCAGGTAC-3'	
tph1 R	5'-TGTAACAGGCTCACATGATTCTC-3'		bim F	5'-CGACAGTCTCAGGAGAAC-3'	195
tph2 F	5'-GTGACCCCTGAATCCCGCTG-3'	123	bim R	5'-CCTTCTCCATACCAAGCGGA-3'	
tph2 R	5'-GGTCCGTACATGAGGACT-3'		fasl F	5'-TCCGTGAGTTCCAACCAA-3'	120
htr1a F	5'-CTTCCGAATCCGAAAGAC-3'	102	fasl R	5'-GGGGGTTCCCTGTTAAATGGG-3'	
htr1a R	5'-TGACCATTCAAGCTCTCT-3'		gli1 F	5'-CCAAGCCAACTTATGTCAGGG-3'	130
htr1b F	5'-GCCGCATCTATGGAAG-3'	118	gli1 R	5'-AGCCCGCTTCTTGTAAATTGA-3'	
htr1b R	5'-GTGACCGAGGATGTGGAT-3'		ptch1 F	5'-AAAGAACTGCCGAAGTTTG-3'	164
htr1d F	5'-CTAGAACGCAAGAGGATCT-3'	118	ptch1 R	5'-CTTCTCTATCTCTGACGGGT-3'	
htr1d R	5'-GGAGGACCAATGATACTACA-3'		nkx2-2 F	5'-CCTCCAATACTCCCTGCA-3'	109
htr1f F	5'-CAAGCGAGTCGGATGATAA-3'	120	nkx2-2 R	5'-GGTCTCCTTGTCATTGTCC-3'	
htr1f R	5'-TGATGGATCGGACAAGGA-3'		lmx1b F	5'-GAGTCGTGCTCAAGGAG-3'	120
htr2a F	5'-CCGCTTCAACTCCAGAAC-3'	100	lmx1b R	5'-TCCATCTTCATCCTCACTCT-3'	
htr2a R	5'-ATCTGTAGCCCGAAGAC-3'		pet1 F	5'-CCGTCGGAGATGGTCTT-3'	114
htr2b F	5'-CCTTGGCGATAGCAGATT-3'	114	pet1 R	5'-GCAGCTCCAGGAGAAACT-3'	
htr2b R	5'-ATAACCAGGCAGGACACA-3'		erk1 F	5'-GGAGGTGGAGGTGGTGAAG-3'	176
htr2c F	5'-CATTGCTGATATGCTGGT-3'	96	erk1 R	5'-TCCGTGACAGTAGGTTGA-3'	
htr2c R	5'-GGGCCACAAATCTAGTAAAG-3'		erk2 F	5'-CTCCTGCTGAACACCACT-3'	100
htr3a F	5'-TACTCAGTCTTCATCATC-3'	106	erk2 R	5'-CGTACTCTGTCAAGAACCT-3'	
htr3a R	5'-TTATCACTAGCAGAGCCATG-3'		cycD1 F	5'-GGGTACCCCTGACACCAATCTC-3'	183
htr3b F	5'-GGCTATAACGGTCTTCAGG-3'	117	cycD1 R	5'-CTCCTCTTCGACCTCTGCTC-3'	
htr3b R	5'-GGATAAAACTGAGAACCAAGAG-3'		cycD2 F	5'-ACCTCCCGCAGTGTCTTATT-3'	93
htr4 F	5'-GGACACACATCGGCATAGT-3'	112	cycD2 R	5'-CACAGACCTCTAGCATCCAGG-3'	
htr4 R	5'-ACAGAGCAGGTGATAGCA-3'		cycE1 F	5'-GTGGCTCCGACCTTTAGTC-3'	101
htr5a F	5'-GCTCCAGGAAGACCAACA-3'	90	cycE1 R	5'-CACAGCTTGTCAATCTGGCA-3'	

Abbreviations used: F, forward; R, reverse.

Tables S2 and S3 are available as Excel files. Table S2 contains a gene list including several DEGs enriched in the GO analysis in the AGM of *tph2^{+/+}* and *tph2^{+/-}* embryos. Table S3 contains the genes that are only up-regulated in *tph2^{-/-}* embryos compared with *tph2^{+/+}* embryos but not up-regulated in *tph2^{+/-}* embryos and enriched in the GO analysis.