Supplementary Table 2. Primer pairs for the genes examined in quantitative real-time PCR analysis.

Type / Purpose	Common name	Gene name	Primer name	ACCESSION NUMBER	Sequence (5' to 3')	Product size (bp)	Source
Housekeeping	actin, beta 2	β actin (*actb2*)	actin-F	NM_181601.5	CGAGCTGTCTTCCCATCCA	86	https://doi.org/10.1111/adb.12176
			actin-R		TCACCAACGTAGCTGTCTTTCTG		
	ribosomal protein L13a	RP1 (*rpl13a*)	rpl-F	NM_212784.1	TCTGGAGGACTGTAAGAGGTATGC	148	https://doi.org/10.1111/adb.12176
			rpl-R		AGACGCACAATCTTGAGAGCAG		
	eukaryotic translation elongation factor 1 alpha 1, like 1	*ef1α*	ef1-F	NM_131263.1	CTGGAGGCCAGCTGAAACAT	87	https://doi.org/10.1111/adb.12176
			ef1-R		ATCAAGAAGAGTAGTACCGCTAGCATTAC		
Nicotinic receptors	neuronal acetylcholine receptor subunit alpha-5	*chrna4*	CHRNa4_qPCR_F	NM_001048063.1	TTACAAGAGGTTTGGGCGCT	90	https://doi.org/10.1111/adb.12176
			CHRNa4_qPCR_R		ACAGACCAGTAGATCATCACTCC		
	neuronal acetylcholine receptor subunit alpha-6	*chrna6*	CHRNa6_qPCR_F	NM_001042684	AGGCTCTTTCGTCGTTTATTC	156	https://doi.org/10.7554/eLife.51295
			CHRNa6_qPCR_R		TCTCAGCCAAAGGTTTGTTTC		
	neuronal acetylcholine receptor subunit alpha-7	*chrna7*	CHRNa7_qPCR_F	ENSDART00000171463.3 & ENSDART00000166391.2	ACCGTGTCACATTGTTCATTCTC	105	https://doi.org/10.7554/eLife.51295
			CHRNa7_qPCR_R		ACAGGTCTCTCCAGTGGGTTA		
Serotonin receptor and transporter	5hydroxytryptamine receptor 1a (5-HT1a)	*htr1aa*	htr1aa_qpcr_F	NM_001123321.1	GGAGCCCGCCATGCGTCTTCGTCGCGTTCCCGCTCCAA	118	https://doi.org/10.3389/fnbeh.2015.00271
			htr1aa_qpcr_R				
	5hydroxytryptamine receptor 2 (5-HT2)	*htr2a*	htr2a_qpcr_F	XM_684208.9	TACGGTGGCTGGGAACATTTTAG	187	https://doi.org/10.1038/srep33822

			htr2a_qpcr_F		GGGACACAGTGATGCAGGGAAA		
	Serotonergic Transporter (Sert)	*slc6a4a*	Sert-qPCR-F	NM_001039972.1	ACCAGGGGCGAAGCCAAGCA	117	https://doi.org/10.3389/fnbeh.2015.00271
			Sert-qPCR-R		GCCACAGGCCCCGCTGTTA		
Immediate early genes (IEGs)	Danio rerio v-fos FBJ murine osteosarcoma viral oncogene homolog Ab	cFos (*fosab*)	cFos-qPCR-F	NM_205569.1	CAGCTCCACCACAGTGAAGA	176	https://doi.org/10.1371/journal.pone.0086176
			cFos-qPCR-R		GCTCCAGGTCAGTGTTAGCC		
	cyclin-dependent Kinase 5	*cdk5*	cdk5-qPCR-F	GCF_000002035.6	GGCTGAAACCATGCAAAAGT	73	https://doi.org/10.2337/db16-1587
			cdk5-qPCR-R		ATTCAGGCCAGACAGTGCTT		
	cyclin-dependent kinase 5, regulatory subunit 1b (p35)	p35 (*cdk5r1b*)	p35-qPCR-F	NM_001002515.3	GCGGCTCTTGTTTTGCTAAA	150	https://doi.org/10.1002/dvdy.24061
			p35-qPCR-R		GCTTCCTGAGACTAGTTCAATCT		