

Supplement 1.

Table S1. Primer sequences

Genes	Primer sequences		Functions
<i>Tph2</i>	F	5'-CACCATTGTGACCCTGAATCC-3'	Tryptophan hydroxylase 2 - rate-limiting enzyme of 5-HT synthesis
	R	5'-AAGCTCGGTGCCGTACATGAG-3'	
	P	FAM-5'-GGACGGAGGAAGAAGATCTCGA-3'-BHQ-1	
<i>Slc6a4</i>	F	5'- GCTGAGATGAGGAACGAAGAC-3'	Serotonin transporter protein
	R	5'- AGGAAGAAGATGATGGCAAAG-3'	
	P	FAM-5'-CCAAAGACGCGGGCCCCAGCCTC-3'-BHQ-1	
<i>Htr1a</i>	F	5'-TTGGAAGTACTTTGGGTATGG-3'	Serotonin 5HT1A receptors
	R	5'-ATTGTCAATTTCTTTGGTGAGTG-3'	
	P	FAM-5'-CCAATGCACAGCACCCACTTTC-3'-BHQ-1	
<i>Htr5b</i>	F	5'-AAAGCCGCCAAATTTGATT-3'	Serotonin 5HT5B receptors
	R	5'-GGCTGTGAACACCATCTCAG-3'	
	P	FAM-5'-CTGCCACCACGCAGGCAAAGGAAGC-3'- BHQ-1	
<i>B2M</i>	F	5'-CCCCACTGAGACTGATACATAC-3'	β 2-microglobulin; HLA-class I associated protein
	R	5'-GTATAGCATATTAGAACTGGATTTG-3'	
	P	FAM-5'-GGATCGAGACATGTGATCAAGCAT-3'- BHQ-1	