

Additional File 1. Primer information

Target or Reference	Genbank Accession Number	Primer Sequence	PCR Product Size (bp)
<i>AQP4</i>	NM_001650 NM_004028	(f) TCCAAACGGACTGATGTCACTGGCT (r) CAAAGGATCGGGCGGGATTTCATGC	118
<i>BDNF</i>	NM_170735 NM_170732 NM_170731 NM_001709 NM_170733 NM_170734	(f) AGAGCCCTGTATCAACCCAGAAACACC (r) GCAATGCCAACTCCACATAGCCTCC	112
<i>GAPDH</i>	NM_002046	(f) TGCACCACCAACTGCTTAGC (r) GGCATGGACTGTGGTCATGAG	87
<i>GRIA1</i>	NM_001200	(f) GTGCGCAGCTTCCACCATGAA (r) CTGAGGTGATAAACTCCTCCGTGGG	122
<i>GRIK2</i>	NM_000830 NM_175611	(f) ATTGACTCCAAAGGTTACGGAGTGGG (r) GCAGCTTCCCTTCTTCTTGGAGTTGA	100
<i>GRIN1</i>	NM_000832 NM_021569 NM_007327	(f) CCTGGAAGCAGAACGTCTCCCTGT (r) TGCTGCGCGAGTCACATTCCTGAT	108
<i>GRIN2A</i>	NM_001134407 NM_000833 NM_001134408	(f) TCGACCTGGCCTTGCTTCAGTTTGT (r) GCTGGCTGCTCATCACCTCGTTCTT	111
<i>GRIN2B</i>	NM_000834	(f) CCTCATCACCTTCATCTGCG (r) CATGGATGCAGCTGTAGATACC	125
<i>GRIN2C</i>	NM_000835	(f) TGGTGGCCATCACCGTCTTCAT (r) CCACACGGACTTGCCGATAGTGA	116
<i>GRIN2D</i>	NM_000836	(f) CTTCGTGGAGACCGGCATCAGCGTC (r) ACGAACATCATCACCCACACGGCGG	108
<i>GRIP1</i>	NM_021150	(f) GCCACAGAACTCTCTCTTCTCCACC	96

	NM_001178074	(r) CACTCTGTCTCCAATCTGTAGCACCC	
<i>GRM5^a</i>	NM_000842	(f) GCCAGCAGATCCAGCAGCCTAGTCA (r) TCATTCTGGGCCACGTGACGGATT	101
<i>GRM5^b</i>	NM_000842 NM_001143831	Not available, purchased from Qiagen	125
<i>GRM8</i>	NM_000845 NM_001127323 NM_001127326 NR_028041	Not available, purchased from Qiagen	78
<i>MOG</i>	NM_002433.3 NM_206809.2	(f) CCTGCTGGAAGATAACCCTGTTTG (r) CACTCAGAAGGGATTTCGTAGCTC	134
<i>NTRK2</i>	NM_006180 NM_001007097 NM_001018064 NM_001018065 NM_001018066	(f) TGTAGTGTGGCAGGTGATCCGGT (r) GGAGCCCTGTGTGTGGCTTGTTT	96
<i>RNA18S1</i>	NR_003286	(f) GTAACCCGTTGAACCCATT (r) CCATCCAATCGGTAGTAGCG	131
<i>SLC1A1^a</i>	NM_004170	Not available, purchased from Qiagen	110
<i>SLC1A1^b</i>	NM_004170	(f) CCTGAAGTCAGTACGGTGGATGCC (r) GGGAGGCTTCACTTCTTCACGCTT	117
<i>SLC1A2</i>	NM_004171	(f) CAAGCTTGGATCACTGCCCTGG (r) GGTGCTCCAACAGGAAGGACGA	129
<i>SLC1A3</i>	NM_004172	(f) TGCAAGCACTCATCACCGCTCTGGG (r) ACGCGCTTGTCCACGCCATTGTTCT	100
<i>TATA</i>	NM_003194	(f) CACTTCGTGCCCGAAACGCCGAAT (r) ATCAGTGCCGTGGTTCGTGGCTCT	88
<i>UBC</i>	NM_021009	(f) ATTTGGGTCGCGGTTCTTG (r) TGCCTTGACATTCTCGATGGT	133
<i>VGlut1</i>	NM_020309	(f) TCGGAGAGAGCGCGAAACTCAT (r) TGGCCACGATGATGGCATAGACT	99

- a Denotes use in RT-PCR experiments
- b Denotes use in Endpoint-PCR experiments