

Appendix 1. Primer sequences

Gene name (symbol)	Accession number	Primer sequence (5'→3')	Primer concentration (μM)	Annealing temp. (°C)
Acidic ribosomal phosphoprotein P0 (RPLP0)	NM_022402	AGTACCTGCTCAGAACAC	200	55
		TCGCTCAGGATTTCAATGG	200	
Insulin-like growth factor 1 receptor (IGF1R)	NM_052807	CCAACAAGTTTCGTCCACAG	600	59
		AGTCCGTCTCGTAGATGTC	600	
Insulin-like growth factor binding protein 1 (IGFBP1)	NM_013144	CCAAACTGCAACAAGAATGG	600	61
		GGATCTTTTCCCACTCC	600	
Insulin-like growth factor binding protein 2 (IGFBP2)	NM_013122	GGGTCTCTGGAACATCTC	600	59
		GTCCATTAGAGACATCTTGC	600	
Insulin-like growth factor binding protein 3 (IGFBP3)	NM_012588	ACAGACACCCAGAACTTCTC	400	59
Glutamate receptor, ionotropic, N-methyl D-aspartate 1 (GRIN1)	NM_017010	CAGCACATTGAGGAACCTCAG	400	59
		ATGGCTTCTGCATAGACC	600	
Glutamate receptor, ionotropic, N-methyl D-aspartate 2A (GRIN2A)	NM_012573	GTTGTTTACCCGCTCCTG	600	59
		AGTTCACCTATGACCTTACC	400	
Glutamate receptor, ionotropic, N-methyl D-aspartate 2B (GRIN2B)	NM_012574	GTTGATAGACCACCTTACCT	400	59
		AAGTTCACCTATGACCTTACC	400	
Glutamate receptor, ionotropic, N-methyl D-aspartate 2C (GRIN2C)	U08259	CATGACCACCTCACCGAT	400	59
		GGCCCAGCTTTTGACCTTAGT	400	
Glutamate receptor, ionotropic, N-methyl D-aspartate 2D (GRIN2D)	NM_022797	CCTGTGACCACCGCAAGAG	400	57
		GTTATGGCATCGCCCTAC	600	
Glutamate receptor, ionotropic, AMPA 1 (GRIA1)	X17184	CATCTCAATCTCATCGTCCC	600	59
		AAATTGCTTATGGGACATTG	600	
Glutamate receptor, ionotropic, AMPA 2 (GRIA2)	M36419	GCAGACTTCATGTATGTCCA	600	59
		GACTCTGGTCCACTAAAGA	200	
Glutamate receptor, ionotropic, AMPA 3 (GRIA3), flip isoform	NM_032990.2	AGTCCTCACAAACACAGAGG	200	59
		GTGAACAAGGCATCTTAGAC	600	
Glutamate receptor, ionotropic, AMPA 4 (GRIA4)	NR_017263	ACTGGTCTTGCCTTACTC	600	61
		ACAGCAGCTATTGAGAACAG	200	
Glutamate receptor, ionotropic, kainate 1 (GRIK1)	NM_017241	GCCTTCGTACTIONTGTCAATTCC	200	57
		TGCTAAATAGTTTCTGGTTTGG	400	
Glutamate receptor, ionotropic, kainate 2 (GRIK2)	NM_019309	ATTCCTCCAATTTCTGGTTC	400	59
		CCCAGGATGATGTGAACGG	600	
Glutamate receptor, ionotropic, kainate 3 (GRIK3)	NM_181373	TCACGAACATAGGTTATAGCCA	600	61
		GATGACTGTGAACTCCCT	600	
Glutamate receptor, ionotropic, kainate 2 (GRIK4)	NM_012572	TTAATCCTTCCCATGAGCC	600	59
		ACGCCTCCAACATCTCTG	400	
Glutamate receptor, ionotropic, kainate 2 (GRIK5)	NM_031508	CATTGCCTTCCATGCTCTG	400	61
		GCCATGAATGCTACCACC	600	
Synuclein, gamma (SNCG)	NM_031688	GCATGACATACGGGTTCTC	600	61
		GTAGTACGCAAGGAGGAC	600	
Solute carrier family 1 (glial high affinity glutamate transporter), member 3 (SLC1A3, GLAST)	S59158	GGAAGCCTTCTAGTCTCC	600	59
		GGATGACATCACACTCATCA	400	
Glial fibrillary acidic protein (GFAP)	NM_017009	GACAAGTGTTCAACAATCCC	400	59
		AAACCGCATCACCATTCC	400	
Adenosine A1 receptor (ADORA1)	NM_017155	ACCACGATGTTCTCTTG	400	59
		TGTCCTCATCTCACCCA	200	
Hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) (HIF1A)	NM_024359	GTCACCACTGTCTTGTTACC	200	57
		TGGAGCAGAAGACAATTTTT	600	
Vascular endothelial growth factor A (VEGFA)	NM_031836	TTCACAATCGTAACTGGTCA	600	59
		AGGAAAGGGAAAGGGTCA	400	
Fms-related tyrosine kinase 1 (FLT1, VEGFR1)	NM_019306	ACAAATGCTTCTCCGCT	400	57
		ATAAGAACCCTGATTACGTGAG	400	
Kinase insert domain receptor (KDR, VEGFR2)	NM_013062	TCACTCTGGTGTGTAGAC	400	57
		AAGCAAATGCTCAGCAGGAT	400	
Erythropoietin (EPO)	NM_017001	TAGGCAGGGAGAGTCCAGAA	400	55
		CTCAGAAGGAATTGATGTCG	400	
Erythropoietin receptor (EPOR)	NM_017002	GGAAGTTGGAGTAGACCC	400	61
		CTCGTCTCATCTCACTG	400	
Solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7 (Slc17a7, VGLUT1)	NM_053859	ACCTCAAACCTATTCTCTG	200	59
		GGCAGTTTTCCAGGACCTCCACTC	400	
Solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6 (Slc17a6, VGLUT2)	NM_053427	GCAAGAGGCAGTTGAGAAGGAGAGAG	400	61
		AGGAGCAAGCAAATTTCTTTC	400	
Solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8 (Slc17a8, VGLUT3)	NM_153725	TAGTATGAGAGTAGCCAACAAC	400	61
		TGGTGCTTGTCTGTAGGATTTA	400	
		CCACGCCATTTGAGATCC	400	