

Supplemental table S1 (I).Primer list.

Gene	Forward Sequence	Reverse Sequence
<i>Nanog</i>	5'-AGGGTCTGCTACTGAGATGCTCTG-3'	5'-CAACCACTGGTTTTTCTGCCACCG-3'
<i>Oct4</i>	5'-GGCGTTCTCTTTGGAAAGGTGTTC-3'	5'-CTCGAACCACATCCTTCTCT-3'
<i>Gdf3</i>	5'-ACCTTTCCAAGATGGCTCCT-3'	5'-CCTGAACCACAGACAGAGCA-3'
<i>Sox2</i>	5'-AAAGGAGAGAAGTTTGGAGCCCGA-3'	5'-GGGCGAAGTGCAATTGGGATGAAA-3'
<i>Tubb3</i>	5'-TTCTGGTGGACTTGGAACCTGGAA-3'	5'-TCACACTCTTCCGCACGACATCT-3'
<i>Syp</i>	5'-CAGTGGGTCTTTGCCATCTT-3'	5'-CAAAGAATTGAGCCGAGGAG-3'
<i>HuD</i>	5'-CCAAAGGATGCAGAGAAAGC-3'	5'-GTGATGATGCGACCGTATTG-3'
<i>Nes</i>	5'-AGCAGAACCAGCTGCTCAGT-3'	5'-AGCTCTTCGGCAAGGTTGT-3'
<i>Syn1</i>	5'-GAGCAGATTGCCATGTCTGA-3'	5'-AGTCCACGATGAGCTGCTT-3'
<i>Htt</i>	5'-ATCTCAGCCAGTCTGGTGCT-3'	5'-CCCACTGTTCTGGAGGTGTT-3'
<i>Vamp1</i>	5'-GAAGGGCAAAAACAAGGACA-3'	5'-GGGCAAGTTACAGCACATCA-3'
<i>Gap43</i>	5'-GGCTCTGCTACTACCGATGC-3'	5'-GGCTTGTTTAGGCTCCTCCT-3'
<i>Reln</i>	5'-CCATACTGTGGCCATGACTG-3'	5'-CACCTGGTTGTCCATGTGAG-3'
<i>Ngn1</i>	5'-GACACTGAGTCCTGGGGTTC-3'	5'-GTCGTGTGGAGCAGGTCTTT-3'
<i>NeuroD1</i>	5'-GGAGGAGGAGGATCAAAAGC-3'	5'-TGGGTCTTGGAGTAGCAAGG-3'
<i>Sox3</i>	5'-CACAACCTCCGAGATCAGCAA-3'	5'-GTCCTTCTTGAGCAGCGTCT-3'
<i>Sox4</i>	5'-GAACGCCTTTATGGTGTGGT-3'	5'-TCAGGGTAGTCAGCCATGTG-3'
<i>Bdnf</i> (exon IX)	5'-TTGTTTTGTGCCGTTTACCA-3'	5'-GGTAAGAGAGCCAGCCACTG-3'
<i>Bdnf</i> (exon IV)	5'-ATTCACCGAGGAGAGGACTG-3'	5'-AGTCTTTGGTGGCCGATATG-3'
<i>Ngf</i>	5'-ACCACAGCCACAGACATCAA-3'	5'-GCCTTGACGAAGGTGTGAGT-3'
<i>Nt3</i>	5'-TGCAACGGACACAGAGCTAC-3'	5'-ACCCACAGGCTCTCACTGTC-3'

Supplemental table S1 (II).Primer list.

Gene	Forward Sequence	Reverse Sequence
<i>Nt4</i>	5'-AGTATGCGACGCAGTGAGTG-3'	5'-TTGCATTCTGAGAGCCAGTG-3'
<i>Creb1</i>	5'-GGTGCCAAGGATTGAAGAAG-3'	5'-CTGCCCCACTGCTAGTTTGGT-3'
<i>Creb2</i>	5'-TCGATGCTCTGTTTCGAATG-3'	5'-GCCAATTGGGTTCAGTGTCT-3'
<i>Creb3</i>	5'-ATGCTCTTCTCCGACTCCAA-3'	5'-CCTGAATACCTGCCCTGAAA-3'
<i>Creb5</i>	5'-AACCAAGCACAGGTTTCACC-3'	5'-TCTCATCTGGGTCCTCATCC-3'
<i>Crel</i>	5'-TGCTGGACATTGAAGACTGC-3'	5'-CCCCTGACACTTCCACAGTT-3'
<i>NFκB1</i>	5'-CTGACCTGAGCCTTCTGGAC-3'	5'-GCAGGCTATTGCTCATCACA-3'
<i>NFκB2</i>	5'-GAGAAGCCTGGTGGACACAT-3'	5'-GGTCTCAGGACCTTTCAGCA-3'
<i>Rela</i>	5'-TTCCTCAGCCATGGTACCTC-3'	5'-CCCCAAGTCTTCATCAGCAT-3'
<i>Relb</i>	5'-TGATCCACATGGAATCGAGA-3'	5'-CAGGAAGGGATATGGAAGCA-3'
<i>Sp1</i>	5'-CCAGTTATCACCAGGGCTGT-3'	5'-ACCCAGGGACAAAATTAGGG-3'
<i>Grin1</i>	5'-ACTCCCAACGACCACTTCAC-3'	5'-GTAGACGCGCATCATCTCAA-3'
<i>Grin2a</i>	5'-AGACCTTAGCAGGCCCTCTC-3'	5'-CTCTTGCTGTCCTCCAGACC-3'
<i>Grin2b</i>	5'-CCGCAGCACTATTGAGAACA-3'	5'-ATCCATGTGTAGCCGTAGCC-3'
<i>Grin2c</i>	5'-GCAGAACTTCCTGGACTTGC-3'	5'-CACAGCAGAACCTCCACTGA-3'
<i>Grin2d</i>	5'-CAGCTGCAGGTCATTTTGA-3'	5'-GGATCTGCGCACTGACACTA-3'
<i>Grin3a</i>	5'-CAGAGGGATGAGCCAGAGTC-3'	5'-CTCCACACGGTTCAGGTTT-3'
<i>Grin3b</i>	5'-CTACATCAAGGCGAGCTTCC-3'	5'-AGCTTGCACTCCGCATCTAT-3'
<i>Vglut1</i>	5'-AGTCCTCCCTTGTTCCAGT-3'	5'-GGTTGAACTGTCCCTCCAAA-3'
<i>Vglut2</i>	5'-ACCTGAGGCCTAGGAAGCTC-3'	5'-TCCCTGTTCTGGAAGTCACC-3'
<i>Grik1</i>	5'-TTAACCGAAACCGAACCTTG-3'	5'-TTCCAGCGAGTCTGAATGTG-3'

Supplemental table S1 (III).Primer list.

Gene	Forward Sequence	Reverse Sequence
<i>Grik2</i>	5'-GCTGTTCACTCCATCTGCAA-3'	5'-AAGCGAATGAGACCAGTGCT-3'
<i>Grik3</i>	5'-ATGACAAAGGCCAGTGGAAC-3'	5'-AGAAGACACTGGGGTTGGTG-3'
<i>Grik4</i>	5'-AATGGGTTTCAGCAGATTGG-3'	5'-GTGGTTCCTTCAGCATTG-3'
<i>Grik5</i>	5'-AGTACGAGACCACGGACACC-3'	5'-CGAAGCGAAGGTACTGAAGG-3'
<i>Gria1</i>	5'-CTAGGCTGCCTGAACCTTTG-3'	5'-GGGAAGATTGAATGGAAGCA-3'
<i>Gria2</i>	5'-GACTTCAGGAGCAGGGACAG-3'	5'-TCGTTTCCCTTCCTCCTTT-3'
<i>Gria3</i>	5'-CTCCTGATCCTCCCAATGAA-3'	5'-TCAGGAAAGCAGCAAGGTTT-3'
<i>Gria4</i>	5'-TTTGCAGGCAGATTGTCTTG-3'	5'-GGGGCTGGTGTATGAAGAA-3'
<i>Grm1</i>	5'-TCATACGGAAAGGGGAAGTG-3'	5'-AAAAGGCGATGGCTATGATG-3'
<i>Grm2</i>	5'-CTAGAGGCCATGCTTTTGC-3'	5'-CTGTGGGAGCATCACTGAGA-3'
<i>Grm3</i>	5'-GAAAGGACAAAGGCAGCAAG-3'	5'-GCTAAAAGAGCCCGTCACTG-3'
<i>Grm4</i>	5'-GGACACCTGCTCAAGGGATA-3'	5'-CTGATCTGGGGGATCTTGAA-3'
<i>Grim5</i>	5'-ACGAAGACCAACCGTATTGC-3'	5'-AGACTTCTCGGATGCTTGGA-3'
<i>Grim6</i>	5'-GTGGGAGTGATAGCGTGGTT-3'	5'-TGACCATGAGCAGGAGACTG-3'
<i>Grim7</i>	5'-AAATGGTGATGCTCCAGGAC-3'	5'-AGGGGTTCCTTCTGTGTCT-3'
<i>Grim8</i>	5'-GCCACTGGACCAATCAACTT-3'	5'-GGGCAGAGTTCACAGGAGAG-3'
<i>Gapdh</i>	5'-ACCCTGTTGCTGTAGCCGTATTCA-3'	5'-TCAACAGCAACTCCCACTCTTCCA-3'