

Table S3. Primer sequences used in the study.

RT-qPCR primers:

BDNFRTF	CAGTACAGTGGTTCTACAATC
BDNFRTR	CAATTCACAATTAAGCAGC
KCNA1RTF	AGGCTCAGTTGCTCCATGTT
KCNA1RTR	TCAGCTGTGGTGCAGTTACC
PCDH17RTF	CCACGTTTAAGGACCCAGAA
PCDH17RTR	TCAGAATGACCAAGCACTCG
junbF	TTTTGTCAAAGCCCTGGACG
junbR	GGGGAGTAACTGCTGAGGTT
nr4a1F	GTTATCCGAAAGTGGGCAGA
nr4a1R	AGTACCAGGCCTGAGCAGAA

ChIP-qPCR primers

bdnfivchipF	AGCCCTCCAGAACCTAGTCA
bdnfivchipR	CAGAAGCCAAGCCTGTCATTA
gap43ncchipF	AGAAAGGACCAAAGGGAGGA
gap43ncchipR	GAGGTAGCGGAGGACAGAGA
Arcchip1F	GAGGAGCTTAGCGAGTGTGG
Arcchip1R	AGCATAAATAGCCGCTGGTG
nr4a1chip1F	GAGGGGAGGAGATCCTGTTC
nr4a1chip1R	TCCAGACCCACTAGGCTCAC
kcna1chip1F	TAGATGCTCACGAGCGTTGT
kcna1chip1R	CCCCTCTTCCACCTGTGAGT
pcdh17chip1F	TGTCGCAATCAAATACTCACC
pcdh17chip1R	CACAAACATCCACAAGTTACGA
gap43chipF	GCCCCACTTCCCTAAAACATGTTC
gap43chipR	CACCTCCAATCTGGACCCAATTAC

DbichipF	CCGACTAGAAAATGGGATGC
DbichipR	GGTGCAGGACCGACAAGTAT
Stmn2ChipF	TTTCTCATCTTCCTGCTCAAG
Stmn2ChipR	GCTCTGCACTTCCGGTTACT
Camk4ChipF	TTAGCGCAAATTGGATGTGA
Camk4ChipR	ACTGCCATGGCGATTTTAAG
Kcnj8ChipF	TGTTGGTCCTCCAGAACTGA
Kcnj8ChipR	CACCTCTATCCCCAGCTCCT
Unc13cChipF	CAAGTCCACATTCTTCCCATT
Unc13cChipR	CCTTCTGTGAGCATTTCAACT
Sh3kbp1ChipF	GACCCCTAAATCTCCTCCA
Sh3kbp1ChipR	GGCTCGTCCTCTGTCTGC
Gap43ChipF	GCGCAGTTGATAATCATGGA
Gap43ChipR	GCTTGACTGCTGTGTGTGTG
Slc17a6chipF	TAGCTTCCTCTGTCCGTGGT
Slc17a6chipR	GCAGAGTGGCAGAGTGGAAT
sec1chipF	AAAGGCTCATGTCTTGTGGAA
sec1chipR	CACGGGAGTCCTTTCCTTC
Cntn5chipF	TCGCAGAGTTCTGAGTCCTTC
Cntn5chipR	ACCTGCCTGCATCTCTCAAC

Ppfa1chipF	GCTAGATCCGCGGTAGTGG
Ppfa1chipR	CCTGCCAGAGATCTTTACCG
Dlgap1chipF	CAGGAAGGAGAGGGTGTTGA
Dlgap1chipR	AAACAGTGCTGAGTGGCAGA
SyplchipF	CAAAGGCCGGAAAAGAGTC
SyplchipR	AACCATGTTGGCTTTGGAAG
Sntb2chipF	GAGAACCAAAGCAAAGGACG
Sntb2chipR	GGCGATTCATTATTCATGAGG
Arr3ChipF	GGAAGCTGCTTAGAGCATGG
Arr3ChipR	GGCCTAGAGGCAGGTTCTCT
Cacgn3ChipF	GACCCGGCCTTGAGAAGT
Cacgn3ChipR	AAGCTCTCCGCCTGCTCT
cd4chipF	GCAAGATAGCTAAGCCAAACACATT
cd4chipR	CACCCTACGCTGACATAGTGGTTC