

RT-PCR Primers

name	forward	reverse
gapdh	TTGATGGCAACAATCTCCAC	CGTCCCGTAGACAAAATGGT
18S	cgaacgtctgccctatcaact	ctgccttcttgatgtggt
npas4	TCTTGAGCAGAGAGAAGCC	TGCACATCATGAGTCTTGCC
egr1	TGGGATAACTCGTCTCCACC	GAGCGAACAACCTATGAGC
bdnf	GCCTTCATGCAACCGAAGTA	TGAGTCTCCAGGACAGCAAA
fos	TGGCACTAGAGACGGACAGA	TCCTACTACCATTCGCCAGC
nr4a3	GTCTCAGTGTCCGGATGGTT	TAGTGGGCTCTTTGGTTTGG
igf-1	CACACTGACATGCCCAAGAC	TTCTCCTTTGCAGCTTCGTT
btg2	CGACCCTGGCACTCTACTGT	AGGTATACGGTGGCCTGTTG
rara	AAAGTCTACGTCCGGAAACG	CAATGTGATCACCCGTTTCCAG
pcdh8	ACCTCATCAACCACATGCAG	AGCAGCGATCAGAATGACCT
bdnf	TGAGTCTCCAGGACAGCAAA	GCCTTCATGCAACCGAAGTA
nr4a2	AGTCTGATCAGTGCCCTCGT	ATAGTCAGGGTTTGCCTGGA
junb	CCATCAGCTACCTCCACAT	TCCTCTTTAAAGGCGGAAGC
egr4	CTCCACCTGAGCGACTTCTC	TCCAGGAAGCAGGAGTCTGT
egr2	TTGACCAGATGAACGGAGTG	AGCTACTCGGATACGGGAGA
gadd45g	ACCTGCATTGCATCCTCATT	GCTCTCCTCGCAGAACAAC

ChIP Primers

name	forward	reverse
Arc-enhancer	ACCCCCAGAGCTGAGAGTTC	TGCAGAGAACAGCAGGAAAA
Fos-enhancer	TCCACATGAGATACGCGAGA	GCCACTCCAGGTGGATAATG
Egr1-enhancer	AAGACCGTCCCCTCACAAAC	GCGCTTTCAGCAACCTAGAG

GRO-seq Primers

Name	Sequence 5' to 3'
oNTI223	pGATCGTCGGACTGTAGAACTCT;CAAGCAGAAGACGGCATAACGATTTTTTTTTTTTTTTTTTTTTVN p = 5' phosphorylation ";" = abasic dSpacer furan VN = degenerate nucleotides
oNTI200	CAAGCAGAAGACGGCATA
oNTI201	AATGATACGGCGACCACCGACAGGTTTCAGAGTCTACAGTCCGACG

4C-seq Primers

FOS first primer	AAT GAT ACG GCG ACC ACC GAA CAC TCT TTC CCT ACA CGA CGC TCT TCC GAT CT TG GGGCTGATGTGGGCAAGCT
FOS second primer	CAA GCA GAA GAC GGC ATA CGACGTATTCAGACCCCCATCTCC

CRISPR CLONING PRIMERS

name	sequence
FOSe3-GD1-F	ggagaaCCACCTTGTGGACGTCTATGCGTTTTAGCCAGTTTTAGAGCTAGAAATAGCAAGTT
FOSe3-GD2-F	ggagaaCCACCTTGTGGCGCCATCACGTGTGTGTCAGCGTTTTAGAGCTAGAAATAGCAAGTT
FOSe3-GD3-F	ggagaaCCACCTTGTGGCGTTTTGCTCTGTCTCCAGTTTTAGAGCTAGAAATAGCAAGTT
FOSe3-GD4-F	ggagaaCCACCTTGTGGTCCGCCCTGGCGCAGAGGGTTTTAGAGCTAGAAATAGCAAGTT
FOSe4-GD1-F	ggagaaCCACCTTGTGGACGGCGCCTACGTGTCACCGGTTTTAGAGCTAGAAATAGCAAGTT
FOSe4-GD2-F	ggagaaCCACCTTGTGGGCGGGCAGACGTCACGGCGGTTTTAGAGCTAGAAATAGCAAGTT
FOSe4-GD3-F	ggagaaCCACCTTGTGGTGGTTTTCCACGGTGACACGTGTTTTAGAGCTAGAAATAGCAAGTT
FOSe4-GD4-F	ggagaaCCACCTTGTGGCATAATTGGAAAAGCGCCGTTTTAGAGCTAGAAATAGCAAGTT
BDNFe-GD1-F	ggagaaCCACCTTGTGGCCCCAAGTATTCACGAGCAGTTTTAGAGCTAGAAATAGCAAGTT
BDNFe-GD2-F	ggagaaCCACCTTGTGGAAAGCCCTAGCAACTGTATTGTTTTAGAGCTAGAAATAGCAAGTT
BDNFe-GD3-F	ggagaaCCACCTTGTGGCTGTGACACAAATGGCAAGTTTTAGAGCTAGAAATAGCAAGTT
BDNFe-GD4-F	ggagaaCCACCTTGTGGTTAGACGAACGCTTCGTTAAGTTTTAGAGCTAGAAATAGCAAGTT
NPAS4e-GD1-F	ggagaaCCACCTTGTGGCGCGCGCTGGCGCCTTTTTAGTTTTAGAGCTAGAAATAGCAAGTT
NPAS4e-GD2-F	ggagaaCCACCTTGTGGGACAGAGTGGGGTGGCCCGGGTTTTAGAGCTAGAAATAGCAAGTT
NPAS4e-GD3-F	ggagaaCCACCTTGTGGTCCCTCGCAGCTCTCTCTCGGTTTTAGAGCTAGAAATAGCAAGTT
NPAS4e-GD4-F	ggagaaCCACCTTGTGGCTCCAGTCTTGCCTATTTGTTTTAGAGCTAGAAATAGCAAGTT
NR4A1e-GD1-F	ggagaaCCACCTTGTGGCGCGCCCATTTGACGTCTCGTTTTAGAGCTAGAAATAGCAAGTT
NR4A1e-GD2-F	ggagaaCCACCTTGTGGGGCTAAAAATAGCGCGCCGTTTTAGAGCTAGAAATAGCAAGTT
NR4A1e-GD3-F	ggagaaCCACCTTGTGGCCGACGCGCCTCATCAATGTTTTAGAGCTAGAAATAGCAAGTT
NR4A1e-GD4-F	ggagaaCCACCTTGTGGCGTGAGCGCTTTGGGAGGCGGTTTTAGAGCTAGAAATAGCAAGTT
sgRNA reverse	ctagtaCTCGAGAAAAAAGCACCGACTCGGTGCCAC