

Table EV2: CRISPRi oligonucleotides

Name	Sequence (5'→3')	Description
Vec-pLV_R2	TCCTTAATCAGCTCGCTCATAGGG CCGGGATTCTCCTCCAC	Reverse primer for dCAS9-KRAB linearization
Vec-pLV_F2	ACTGGGGCACAAGCTTAATTGACC AGCACACTGGCGGC	Forward primer for dCAS9-KRAB linearization
TagBFP_F	CCTATGAGCGAGCTGATTAAGGAG AACATGC	Forward primer for TagBFP2 linearization
TagBFP_R	TCAATTAAGCTTGTGCCCCAGTTTG CTAG	Reverse primer for TagBFP2 linearization
RnSyt1-sgRNA1_F	CACCGCGTGCCTCGCACCGGTCCG CGG	Forward primer for gRNA1 against 5'-UTR of rat synaptotagmin-1 gene
RnSyt1-sgRNA1_R	AAACCCGCGGACCGGTGCGAGGCA CGC	Reverse primer for gRNA1 against 5'-UTR of rat synaptotagmin-1 gene
RnSyt1-sgRNA2_F	CACCAGTACTCGCGTGCCTCGCAC CGG	Forward primer for gRNA2 against 5'-UTR of rat synaptotagmin-1 gene
RnSyt1-sgRNA2_R	AAACCCGGTGCGAGGCACGCGAGT ACT	Reverse primer for gRNA2 against 5'-UTR of rat synaptotagmin-1 gene
RnSyt1-sgRNA3_F	CACCTCCTCCTGCAGCGGCAGCAT CGG	Forward primer for gRNA3 against 5'-UTR of rat synaptotagmin-1 gene
RnSyt1-sgRNA3_R	AAACCCGATGCTGCCGCTGCAGGA GGA	Reverse primer for gRNA3 against 5'-UTR of rat synaptotagmin-1 gene
Lenti_F	CGTACCGGTTAGTAATGATCGACA ATCAACC	Forward primer used to amplify the pLenti6.3
Lenti_R	CGGAACTCCCAAGCTTATCGATAA AATTTTGA	Reverse primer used to amplify the pLenti6.3
prom-Syn1_F	TTATCGATAAGCTTGGGAGTTCCG CTGCAGAGGGCCCTGCGTATGAG	Forward primer used to amplify synaptotagmin-1 with synapsin-1 promoter
RnSyt1_R	TGTCGATCATTACTAACCGGTACG TACTTCTTGACAGCCAGCATGGC ATCAAC	Reverse primer used to amplify synaptotagmin-1 with synapsin-1 promoter