



Supplementary Fig. S1 Representative images of genotype bands on agarose gel. (A) Images showing the homozygous (Homo) PV-Cre knockin (350bp and 300bp) and the hM4Di-flox for four mice to verify PV-Cre knockin and hM4Di-flox [for hM4Di-flox: heterozygous (het) 300 bp and 204 bp; wild-type (WT) 300 bp] (B) Images showing the bands for wild-type (+/+) mice at 360 bp, heterozygous (+/stg) mice with two bands at 360 bp and 155 bp, and epileptic stargazers (stg/stg) with a band at 155 bp.

Table S1. Primers used for genotyping of PV^{Cre}/Gi-DREADD mice and stargazer mice.

Primer type	Sequence (5'→3')
PV^{Cre}/Gi-DREADD mice	
hM4Di mutant forward	CGA AGT TAT TAG GTC CCT CGA C
hM4Di mutant reverse	TCA TAG CGA TTG TGG GAT GA
Wild type forward	AAG GGG CTG CAG TGG AGT A
Wild type reverse	CCG AAA ATC TGT GGG AAG TC
Cre forward	CCT GGA AAA TGC TTC TGT CCG
Cre reverse	CAG GGT GTT ATA AGC AAT CCC
Stargazer mice	
Common forward	TAC TTC ATC CGC CAT CCT TC
Wild type reverse	TGG CTT TCA CTG TCT GTT GC
Mutant reverse	GAG CAA GCA GGT TTC AGG C