

**Supplementary Table 3.** List of mice information in this study.

<b>Figure/ Experiment</b>	<b>Age</b>	<b>Number/ Gender</b>	<b>Genotype</b>	<b>Statistical analysis</b>
1E <i>Gfap</i> RT-qPCR	3 mon	6 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.0649 Actual Difference:-0.02608
	3 mon	6 females	PV-RiboTag	
1E <i>Cnpl</i> RT-qPCR	3 mon	7 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.7922 Actual Difference:-0.004657
	3 mon	1 male 6 females	PV-RiboTag	
1E <i>Ibal</i> RT-qPCR	3 mon	6 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.5887 Actual Difference:0.03880
	3 mon	3 males 3 females	PV-RiboTag	
1E <i>Camk2a</i> RT-qPCR	3 mon	6 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.1508 Actual Difference:-0.01952
	3 mon	5 females	PV-RiboTag	
1E <i>Gad1</i> RT-qPCR	3 mon	1 male 6 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.0260 Actual Difference:2.538
	3 mon	6 females	PV-RiboTag	
1E <i>Pvalb</i> RT-qPCR	3 mon	1 male 9 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.0002 Actual Difference:20.70
	3 mon	6 females	PV-RiboTag	
1E <i>Sst</i> RT-qPCR	3 mon	1 male 10 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.0002 Actual Difference:-20.03
	3 mon	6 females	PV-RiboTag	
2BCDEF, 4BC, 6ABC RNAseq and bioinformatic analysis	3 mon	5 males	SST-RiboTag	Please see supplement table 5-9 for more detail
	3 mon	7 males	PV-RiboTag	
2G <i>Cacna2d3</i> RT-qPCR	3 mon	2 males 4 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.0016 Actual Difference:-0.4086
	3 mon	6 males 3 females	PV-RiboTag	
2G <i>Scn4b</i> RT-qPCR	3 mon	2 males 5 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.0003 Actual Difference:2.918
	3 mon	5 males 4 females	PV-RiboTag	
2G <i>Kcnc3</i> RT-qPCR	3 mon	2 males 5 females	SST-RiboTag	Mann-Whitney test, two-tailed <i>p</i> value=0.0006 Actual Difference:0.9511
	3 mon	4 males 3 females	PV-RiboTag	

2G <i>Kcng4</i> RT-qPCR	3 mon	2 males 4 females	SST-RiboTag	Mann-Whitney test, two-tailed $p$ value=0.0012 Actual Difference:3.411
	3 mon	4 males 3 females	PV-RiboTag	
2G <i>Grin3a</i> RT-qPCR	3 mon	3 males 4 females	SST-RiboTag	Mann-Whitney test, two-tailed $p$ value=0.0012 Actual Difference:-0.9946
	3 mon	3 males 3 females	PV-RiboTag	
4D <i>Gabrd</i> RT-qPCR	3 mon	6 females	SST-RiboTag	Mann-Whitney test, two-tailed $p$ value=0.0022 Actual Difference:2.175
	3 mon	1 male 5 females	PV-RiboTag	
4D <i>Gabra6</i> RT-qPCR	3 mon	6 females	SST-RiboTag	Mann-Whitney test, two-tailed $p$ value=0.0043 Actual Difference:9.562
	3 mon	1 male 5 females	PV-RiboTag	
5B immunofluorescence images	3 mon	3 males 2 females	SST-RiboTag	Mann-Whitney test, two-tailed $p$ value=0.0079 Actual difference:30.82
	3 mon	2 males 3 females	PV-RiboTag	
5D immunofluorescence images	3 mon	3 males 2 females	SST-RiboTag	Mann-Whitney test, two-tailed $p$ value=0.0079 Actual Difference:24.40
	3 mon	2 males 3 females	PV-RiboTag	
5G Tonic GABA current	2-3 mon	3 males 2 females	SST-Cre; Ai14	Mean-Whitney test, two-tailed $p$ value=0.0175 Actual Difference:14.67
	2-3 mon	3 males 2 females	PV-Cre; Ai14	
5H Tonic GABA current density	2-3 mon	3 males 2 females	SST-Cre; Ai14	Mann-Whitney test, two-tailed $p$ value=0.0262 Actual Difference:0.2498
	2-3 mon	3 males 2 females	PV-Cre; Ai14	
5K Tonic GABA current	4-6 mon	1 male 1 female	SST-Cre; Ai14	Mann-Whitney test, two-tailed $p$ value=0.0451 Actual Difference: 41.10
	4-6 mon	2 males 1 female	PV-Cre; Virus PV-Cre; Ai14	
5L Tonic GABA current density	4-6 mon	1 male 1 female	SST-Cre; Ai14	Mann-Whitney test, two-tailed $p$ value=0.0451 Actual Difference: 0.7375
	4-6 mon	2 males 1 female	PV-Cre; Virus PV-Cre; Ai14	