

Table S7. KEGG pathways involved in the reversal of key genes by PNS in the thalamic region

Group ID	Description	$\log_{10} P$
1	Amyotrophic lateral sclerosis - Mus musculus (house mouse)	-4.8885
2	Salmonella infection - Mus musculus (house mouse)	-4.4008
3	Human cytomegalovirus infection - Mus musculus (house mouse)	-3.2937
4	Regulation of actin cytoskeleton - Mus musculus (house mouse)	-3.1978
5	Proximal tubule bicarbonate reclamation - Mus musculus (house mouse)	-3.1054
6	Protein processing in endoplasmic reticulum - Mus musculus (house mouse)	-2.7056
7	Proteasome - Mus musculus (house mouse)	-2.6697
8	Mitophagy - animal - Mus musculus (house mouse)	-2.4905
9	Ferroptosis - Mus musculus (house mouse)	-2.1281
10	Retrograde endocannabinoid signaling - Mus musculus (house mouse)	-2.0672
11	Phospholipase D signaling pathway - Mus musculus (house mouse)	-2.0504