

Table S14. GO-BP pathways involved in the reversal of key genes by PNS in the cortical region

Group ID	Description	$\log_{10} P$
1	modulation of chemical synaptic transmission	-9.8915
2	cytoplasmic translation	-9.2117
3	vesicle-mediated transport in synapse	-7.4711
4	regulation of vesicle-mediated transport	-6.7767
5	oxidative phosphorylation	-6.6447
6	localization within membrane	-6.3959
7	regulation of protein stability	-5.6276
8	membrane organization	-5.1945
9	regulation of IRE1-mediated unfolded protein response	-5.1116
10	vesicle localization	-4.3739
11	viral gene expression	-4.2595
12	neuron cellular homeostasis	-4.2089
13	protein folding	-4.1520
14	positive regulation of protein localization	-4.1278
15	protein-RNA complex assembly	-4.0050
16	regulation of protein-containing complex assembly	-3.9118
17	protein localization to mitochondrion	-3.8113
18	protein targeting to ER	-3.7583
19	intracellular protein transport	-3.6981
20	regulation of protein localization to membrane	-3.6910