

Table S8. GO-BP pathways involved in the reversal of key genes by PGS in the thalamic region

Group ID	Description	$\log_{10} P$
1	protein catabolic process	-6.5926
2	peptide metabolic process	-5.8025
3	cellular homeostasis	-5.1688
4	positive regulation of protein localization	-4.7471
5	regulation of actin filament organization	-4.6373
6	positive regulation of protein localization to membrane	-4.5154
7	protein maturation	-4.4173
8	intracellular protein transport	-4.3555
9	establishment of protein localization to membrane	-4.3469
10	anterograde axonal transport	-4.2982
11	generation of precursor metabolites and energy	-4.2972
12	vesicle-mediated transport in synapse	-4.1553
13	mitochondrion organization	-4.1052
14	regulation of protein stability	-3.9814
15	glucose catabolic process	-3.9710
16	protein targeting	-3.9578
17	synaptic signaling	-3.9097
18	negative regulation of protein modification process	-3.7448
19	peptide hormone processing	-3.7143
20	membrane organization	-3.6498