

Table S12. GO-BP pathways involved in the reversal of key genes by PGS in the hippocampal region

Group ID	Description	$\log_{10} P$
1	protein-RNA complex assembly	-4.3558
2	regulation of intracellular protein transport	-4.3029
3	pallium development	-4.2003
4	cognition	-3.9789
5	regulation of endocytosis	-3.6537
6	regulation of Golgi organization	-3.6060
7	regulation of translation	-3.4001
8	regulation of plasma membrane bounded cell projection organization	-3.1513
9	positive regulation of RNA splicing	-3.0251
10	translation	-2.9496
11	microtubule-based movement	-2.9419
12	ubiquitin-dependent protein catabolic process via the multivesicular body sorting pathway	-2.9039
13	maturation of LSU-rRNA	-2.8605
14	positive regulation of peptidyl-serine phosphorylation	-2.7701
15	regulation of dendrite extension	-2.7392
16	mitochondrion organization	-2.6578
17	dendritic spine development	-2.5291
18	regulation of intrinsic apoptotic signaling pathway	-2.4830
19	cellular response to organonitrogen compound	-2.4803
20	regulation of signal transduction by p53 class mediator	-2.4227