

Histone deacetylase inhibitor alleviates the neurodegenerative phenotypes and histone dysregulation in presenilins-deficient mice

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Supplementary Table S4: Pathway enrichment for differentially expressed genes in NaB-treated cDKO mice

Term	Count	PValue	Genes ID	Fold Enrichment	FDR
mmu04060:Cytokine–cytokine receptor interaction	38	4.15E-08	57349, 12458, 12766, 230828, 15945, 53603, 60505, 21936, 21935, 20304, 16992, 20303, 16185, 20307, 16184, 16182, 19109, 16163, 14256, 240873, 22163, 230979, 326623, 11705, 20296, 83430, 14103, 140806, 56838, 16178, 20293, 16176, 242700, 56066, 16191, 17329, 16156, 16193	2.70291	5.40E-05

mmu04080:Neuroactive ligand-receptor interaction	41	9.17E-08	64095, 65086, 226278, 14938, 217369, 18169, 216749, 14293, 12640, 13491, 193034, 11443, 19065, 21337, 14065, 12273, 19109, 19222, 26361, 14063, 17199, 381853, 19219, 231602, 108072, 13035, 17200, 14829, 17203, 14408, 14409, 12061, 14599, 14429, 18815, 15559, 14602, 14308, 11609, 18436, 11607	2.50699	1.19E-04
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