

GeDiPNet Cluster 258 -- Enriched GO Terms (Biological Process)

GO term enrichment: Biological Process terms (gene2go, human/tax_id=9606 only), upper-tail hypergeometric test, fold enrichment = (overlap / cluster gene count) / (term gene count / universe size), Benjamini-Hochberg FDR-corrected. Top 15 terms per cluster by q-value. See scripts/build_cluster_go_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-08 03:23:04. · Rows: 15 · Generated: 2026-10-08 07:00:51

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
response to estradiol	GO:0032355	5	TGFB1, CALR, GRIA1, PRKCA, PTCH1	84	53	20.99	3.941e-6	2.528e-4
response to xenobiotic stimulus	GO:0009410	7	TGFB1, CALR, EMX1, GRIA1, NPAS2, SST, PTCH1	248	53	9.95	6.104e-6	3.586e-4
positive regulation of smooth muscle cell proliferation	GO:0048661	4	TGFB1, CDH13, PDGFRB, PRKCA	52	53	27.12	1.411e-5	6.956e-4
regulation of cell population proliferation	GO:0042127	6	PLA2G4A, NOS2, PTGS2, TGFB1, SAT1, PTCH1	201	53	10.52	2.166e-5	9.697e-4
regulation of transport	GO:0051049	3	CDH13, PRKCA, PCLO	24	53	44.07	4.180e-5	1.605e-3
positive regulation of exit from mitosis	GO:0031536	2	NEUROG1, TGFB1	4	53	176.29	4.718e-5	1.756e-3
prostaglandin secretion	GO:0032310	2	NOS2, PTGS2	5	53	141.03	7.850e-5	2.587e-3
conditioned place preference	GO:1990708	2	CSMD1, GRIA1	6	53	117.53	1.175e-4	3.481e-3
mammary gland development	GO:0030879	3	TGFB1, CSMD1, PTCH1	37	53	28.59	1.564e-4	4.317e-3
negative regulation of translation	GO:0017148	4	LARP1, CALR, PRKCA, PURB	98	53	14.39	1.710e-4	4.610e-3
mammary gland duct morphogenesis	GO:0060603	2	CSMD1, PTCH1	8	53	88.15	2.186e-4	5.474e-3
negative regulation of glial cell apoptotic process	GO:0034351	2	PRKCA, RAD21	9	53	78.35	2.805e-4	6.523e-3
positive regulation of gene expression	GO:0010628	7	TGFB1, TGFB3, CALR, GRIA1, SEC16B, RAD21, ZNF804A	504	53	4.90	5.245e-4	1.009e-2
positive regulation of epithelial to mesenchymal transition	GO:0010718	3	TGFB1, TNXB, TCF7L2	59	53	17.93	6.260e-4	1.138e-2
regulation of postsynaptic membrane potential	GO:0060078	3	GRIA1, GABRA4, GABRB1	59	53	17.93	6.260e-4	1.138e-2