

GeDiPNet Cluster 125 -- 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 06:41:57

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
response to hypoxia	GO:0001666	6	CYP1A1, PLAT, PLAU, NOS2, TNF, F7	176	33	19.30	5.747e-7	5.308e-5
cellular response to lipopolysaccharide	GO:0071222	6	DAB2IP, IL6, ZC3H12A, MMP9, NOS2, TNF	187	33	18.17	8.198e-7	7.116e-5
plasminogen activation	GO:0031639	3	APOH, PLAT, PLAU	12	33	141.57	1.092e-6	8.989e-5
negative regulation of fibrinolysis	GO:0051918	3	APOH, PLAT, PLAU	12	33	141.57	1.092e-6	8.989e-5
positive regulation of glial cell proliferation	GO:0060252	3	IL6, NTN1, TNF	22	33	77.22	7.552e-6	4.268e-4
response to genistein	GO:0033595	2	CYP1A1, F7	3	33	377.52	9.063e-6	4.927e-4
regulation of fibrinolysis	GO:0051917	2	APOH, PLAU	4	33	283.14	1.810e-5	8.428e-4
response to 2,3,7,8-tetrachlorodibenzodioxine	GO:1904612	2	CYP1A1, F7	5	33	226.51	3.014e-5	1.239e-3
menaquinone catabolic process	GO:0042361	2	CYP4F3, CYP4F8	5	33	226.51	3.014e-5	1.239e-3
vascular endothelial growth factor production	GO:0010573	2	IL6, TNF	6	33	188.76	4.516e-5	1.702e-3
phyloquinone catabolic process	GO:0042376	2	CYP4F3, CYP4F8	6	33	188.76	4.516e-5	1.702e-3
negative regulation of plasminogen activation	GO:0010757	2	PLAT, PLAU	7	33	161.79	6.316e-5	2.188e-3
regulation of insulin secretion	GO:0050796	3	IL6, NOS2, TNF	46	33	36.93	7.232e-5	2.426e-3
very-low-density lipoprotein particle remodeling	GO:0034372	2	APOH, LIPC	8	33	141.57	8.412e-5	2.721e-3
smooth muscle cell migration	GO:0014909	2	PLAT, PLAU	9	33	125.84	1.080e-4	3.271e-3