

GeDiPNet Cluster 548 -- 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: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-19 23:18:18

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
response to prostaglandin E	GO:0034695	2	GNRH1, OXT	11	10	339.76	1.414e-5	7.118e-4
positive regulation of ossification	GO:0045778	2	OXT, NIPBL	21	10	177.97	5.383e-5	1.950e-3
cell surface receptor signaling pathway via STAT	GO:0097696	2	IL6, IFNA2	28	10	133.48	9.671e-5	3.014e-3
response to steroid hormone	GO:0048545	2	GNRH1, OXT	30	10	124.58	1.112e-4	3.335e-3
response to peptide hormone	GO:0043434	2	GNRH1, OXT	50	10	74.75	3.114e-4	6.969e-3
response to activity	GO:0014823	2	IL6, OXT	52	10	71.87	3.369e-4	7.280e-3
response to glucocorticoid	GO:0051384	2	IL6, OXT	53	10	70.52	3.500e-4	7.487e-3
humoral immune response	GO:0006959	2	IL6, IFNA2	58	10	64.44	4.193e-4	8.471e-3
regulation of astrocyte activation	GO:0061888	1	IL6	1	10	1868.70	5.351e-4	9.880e-3
glucagon secretion	GO:0070091	1	IL6	1	10	1868.70	5.351e-4	9.880e-3
positive regulation of hindgut contraction	GO:0060450	1	OXT	1	10	1868.70	5.351e-4	9.880e-3
negative regulation of establishment of blood-brain barrier	GO:0090212	1	TTPA	1	10	1868.70	5.351e-4	9.880e-3
negative regulation of immature T cell proliferation	GO:0033087	1	GNRH1	1	10	1868.70	5.351e-4	9.880e-3
external genitalia morphogenesis	GO:0035261	1	NIPBL	1	10	1868.70	5.351e-4	9.880e-3
female pregnancy	GO:0007565	2	GNRH1, OXT	80	10	46.72	7.965e-4	1.283e-2