

GeDiPNet Cluster 538 -- 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 23:18:44

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
mammary gland development	GO:0030879	2	CYP19A1, PRL	37	15	67.34	3.941e-4	8.093e-3
positive regulation of gene expression	GO:0010628	4	APOB, CALCR, FSHB, RIMS1	504	15	9.89	5.633e-4	1.027e-2
deoxyribonucleoside catabolic process	GO:0046121	1	DERA	1	15	1245.80	8.027e-4	1.283e-2
deoxyribose phosphate catabolic process	GO:0046386	1	DERA	1	15	1245.80	8.027e-4	1.283e-2
nitrate catabolic process	GO:0043602	1	POR	1	15	1245.80	8.027e-4	1.283e-2
positive regulation of growth plate cartilage chondrocyte proliferation	GO:0061913	1	POR	1	15	1245.80	8.027e-4	1.283e-2
positive regulation of steroid hormone biosynthetic process	GO:0090031	1	POR	1	15	1245.80	8.027e-4	1.283e-2
steroid biosynthetic process	GO:0006694	2	CYP17A1, CYP19A1	65	15	38.33	1.215e-3	1.626e-2
activation of protein kinase A activity	GO:0034199	1	ADCY8	2	15	622.90	1.605e-3	1.885e-2
positive regulation of estradiol secretion	GO:2000866	1	CYP19A1	2	15	622.90	1.605e-3	1.885e-2
positive regulation of steroid biosynthetic process	GO:0010893	1	FSHB	2	15	622.90	1.605e-3	1.885e-2
nitric oxide catabolic process	GO:0046210	1	POR	2	15	622.90	1.605e-3	1.885e-2
organofluorine metabolic process	GO:0090346	1	POR	2	15	622.90	1.605e-3	1.885e-2
positive regulation of lactation	GO:1903489	1	PRL	2	15	622.90	1.605e-3	1.885e-2
female pregnancy	GO:0007565	2	FSHB, PRL	80	15	31.15	1.833e-3	2.036e-2