

GeDiPNet Cluster 505 -- 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: 13 · 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
galactose catabolic process via UDP-galactose, Leloir pathway	GO:0033499	4	GALT, GALM, GALE, GALK1	5	4	3737.40	9.844e-16	8.040e-13
galactose metabolic process	GO:0006012	4	GALT, GALM, GALE, GALK1	8	4	2335.88	1.378e-14	9.186e-12
galactitol metabolic process	GO:0019402	1	GALK1	1	4	4671.75	2.141e-4	5.314e-3
glycolytic process from galactose	GO:0061623	1	GALK1	1	4	4671.75	2.141e-4	5.314e-3
UDP-alpha-D-glucose metabolic process	GO:0006011	1	GALT	3	4	1557.25	6.421e-4	1.113e-2
galactose catabolic process	GO:0019388	1	GALE	5	4	934.35	1.070e-3	1.514e-2
hexose metabolic process	GO:0019318	1	GALM	6	4	778.63	1.284e-3	1.669e-2
organophosphate metabolic process	GO:0019637	1	GALT	8	4	583.97	1.711e-3	1.958e-2
carbohydrate derivative metabolic process	GO:1901135	1	GALT	18	4	259.54	3.848e-3	2.937e-2
carbohydrate phosphorylation	GO:0046835	1	GALK1	24	4	194.66	5.128e-3	3.369e-2
phosphate-containing compound metabolic process	GO:0006796	1	GALT	25	4	186.87	5.341e-3	3.434e-2
glucose metabolic process	GO:0006006	1	GALM	66	4	70.78	1.405e-2	5.470e-2
carbohydrate metabolic process	GO:0005975	1	GALM	175	4	26.70	3.694e-2	9.003e-2