

GeDiPNet Cluster 480 -- 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: 2026-10-20 00:01:21

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
isopentenyl diphosphate biosynthetic process, mevalonate pathway	GO:0019287	3	MVD, MVK, PMVK	3	8	2335.88	5.150e-11	1.687e-8
sterol biosynthetic process	GO:0016126	4	FDPS, MVD, MVK, PMVK	31	8	301.40	4.316e-10	1.126e-7
cholesterol biosynthetic process	GO:0006695	4	FDPS, MVD, MVK, PMVK	39	8	239.58	1.127e-9	2.573e-7
steroid biosynthetic process	GO:0006694	4	FDPS, MVD, MVK, PMVK	65	8	143.75	9.233e-9	1.646e-6
isoprenoid biosynthetic process	GO:0008299	3	FDPS, MVD, MVK	13	8	539.05	1.470e-8	2.467e-6
cholesterol metabolic process	GO:0008203	4	FDPS, MVD, MVK, PMVK	107	8	87.32	6.987e-8	9.434e-6
steroid metabolic process	GO:0008202	4	FDPS, MVD, MVK, PMVK	135	8	69.21	1.783e-7	2.050e-5
lipid metabolic process	GO:0006629	4	FDPS, MVD, MVK, PMVK	840	8	11.12	2.454e-4	5.871e-3
purine nucleotide import into lysosome	GO:0141013	1	SLC17A9	1	8	2335.88	4.281e-4	8.531e-3
guanine nucleotide transmembrane transport	GO:1903790	1	SLC17A9	2	8	1167.94	8.560e-4	1.331e-2
geranyl diphosphate biosynthetic process	GO:0033384	1	FDPS	2	8	1167.94	8.560e-4	1.331e-2
farnesyl diphosphate biosynthetic process	GO:0045337	1	FDPS	2	8	1167.94	8.560e-4	1.331e-2
purine-containing compound transmembrane transport	GO:0072530	1	SLC17A9	4	8	583.97	1.711e-3	1.958e-2
gap junction-mediated intercellular transport	GO:1990349	1	GJB2	6	8	389.31	2.566e-3	2.402e-2
cell communication by electrical coupling	GO:0010644	1	GJB2	7	8	333.70	2.993e-3	2.594e-2