

GeDiPNet Cluster 415 -- 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: 2026-10-09 03:23:08. · Rows: 15 · Generated: 2026-10-08 23:51:29

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
melanosome organization	GO:0032438	2	AP3D1, GPR143	25	2	747.48	1.718e-6	1.290e-4
regulation of melanosome transport	GO:1902908	1	GPR143	1	2	9343.50	1.070e-4	3.188e-3
neurotransmitter receptor transport, postsynaptic endosome to lysosome	GO:0098943	1	AP3D1	2	2	4671.75	2.140e-4	5.287e-3
eye pigment biosynthetic process	GO:0006726	1	GPR143	2	2	4671.75	2.140e-4	5.287e-3
regulation of melanosome organization	GO:1903056	1	GPR143	2	2	4671.75	2.140e-4	5.287e-3
synaptic vesicle budding from endosome	GO:0016182	1	AP3D1	3	2	3114.50	3.211e-4	7.094e-3
zinc ion import into lysosome	GO:0140916	1	AP3D1	4	2	2335.88	4.281e-4	8.639e-3
positive regulation of NK T cell differentiation	GO:0051138	1	AP3D1	4	2	2335.88	4.281e-4	8.639e-3
synaptic vesicle coating	GO:0016183	1	AP3D1	5	2	1868.70	5.351e-4	1.006e-2
synaptic vesicle membrane organization	GO:0048499	1	AP3D1	5	2	1868.70	5.351e-4	1.006e-2
melanosome localization	GO:0032400	1	GPR143	5	2	1868.70	5.351e-4	1.006e-2
clathrin-coated vesicle cargo loading, AP-3-mediated	GO:0035654	1	AP3D1	7	2	1334.79	7.491e-4	1.265e-2
antigen processing and presentation, exogenous lipid antigen via MHC class Ib	GO:0048007	1	AP3D1	7	2	1334.79	7.491e-4	1.265e-2
Golgi to vacuole transport	GO:0006896	1	AP3D1	9	2	1038.17	9.630e-4	1.485e-2
endosome to melanosome transport	GO:0035646	1	AP3D1	10	2	934.35	1.070e-3	1.580e-2