

GeDiPNet Cluster 237 -- 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: 2026-10-07 03:23:06. · Rows: 15 · Generated: 2026-10-07 06:30:59

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
'de novo' UMP biosynthetic process	GO:0044205	3	CAD, DHODH, UMPS	3	91	205.35	1.117e-7	1.325e-5
UDP biosynthetic process	GO:0006225	3	CAD, DHODH, UMPS	5	91	123.21	1.109e-6	9.013e-5
system process	GO:0003008	5	NPPB, OR51B5, OR51Q1, OR51I2, OR51L1	41	91	25.04	1.599e-6	1.206e-4
'de novo' pyrimidine nucleobase biosynthetic process	GO:0006207	3	CAD, DHODH, UMPS	6	91	102.68	2.211e-6	1.560e-4
pyrimidine nucleotide biosynthetic process	GO:0006221	3	CAD, DHODH, UMPS	9	91	68.45	9.187e-6	4.894e-4
response to vitamin B2	GO:0033274	2	MTHFR, CEBPA	2	91	205.35	2.345e-5	1.014e-3
smooth muscle hyperplasia	GO:0014806	2	NOS3, HMOX1	2	91	205.35	2.345e-5	1.014e-3
response to xenobiotic stimulus	GO:0009410	8	ALAD, GPX1, MTHFR, NFE2L2, TNF, ABCA2, VEGFC, ABCA1	248	91	6.62	2.828e-5	1.171e-3
carbon dioxide transport	GO:0015670	3	HBB, HBE1, HBG2	13	91	47.39	3.084e-5	1.247e-3
cellular response to lipid	GO:0071396	4	OR51B5, OR51Q1, OR51I2, OR51L1	38	91	21.62	3.422e-5	1.352e-3
response to hydrogen peroxide	GO:0042542	4	GPX1, HBB, HP, HMOX1	39	91	21.06	3.799e-5	1.462e-3
oxygen transport	GO:0015671	3	HBB, HBE1, HBG2	17	91	36.24	7.230e-5	2.375e-3
negative regulation of systemic arterial blood pressure	GO:0003085	3	NPPB, TNF, ARHGAP42	18	91	34.23	8.646e-5	2.714e-3
vasodilation	GO:0042311	4	GPX1, NOS3, NPPB, TNF	50	91	16.43	1.021e-4	3.069e-3
positive regulation of protein-containing complex assembly	GO:0031334	4	TNF, TRABD2B, FNIP2, NRG1	50	91	16.43	1.021e-4	3.069e-3