

GeDiPNet Cluster 198 -- 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 02:23:37

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
cobalamin metabolic process	GO:0009235	7	ABCD4, MMACHC, MMADHC, MTR, MTRR, MMAA, MMAB	9	30	484.48	4.637e-19	6.514e-16
homocysteine metabolic process	GO:0050667	3	MTR, MTRR, MMUT	10	30	186.87	4.446e-7	4.233e-5
cobalamin transport	GO:0015889	2	ABCD4, CD320	9	30	138.42	8.907e-5	2.777e-3
methionine biosynthetic process	GO:0009086	2	MTR, MTRR	11	30	113.25	1.358e-4	3.800e-3
removal of superoxide radicals	GO:0019430	2	PRDX1, SOD2	15	30	83.05	2.582e-4	6.050e-3
response to reactive oxygen species	GO:0000302	2	PRDX1, SOD2	20	30	62.29	4.650e-4	9.113e-3
cytoskeleton-dependent cytokinesis	GO:0061640	2	SEPTIN11, SEPTIN2	21	30	59.32	5.134e-4	9.722e-3
peroxisome organization	GO:0007031	2	ABCD4, PEX16	23	30	54.17	6.173e-4	1.109e-2
amino acid biosynthetic process	GO:0008652	2	MTR, MTRR	27	30	46.14	8.530e-4	1.360e-2
response to axon injury	GO:0048678	2	MTR, SOD2	37	30	33.67	1.602e-3	1.983e-2
regulation of L-glutamate import across plasma membrane	GO:0002036	1	SEPTIN2	1	30	622.90	1.605e-3	1.983e-2
acetylcholine-mediated vasodilation involved in regulation of systemic arterial blood pressure	GO:0003069	1	SOD2	1	30	622.90	1.605e-3	1.983e-2
erythrophore differentiation	GO:0048773	1	SOD2	1	30	622.90	1.605e-3	1.983e-2
response to magnetism	GO:0071000	1	SOD2	1	30	622.90	1.605e-3	1.983e-2
regulation of vitamin metabolic process	GO:0030656	1	CD320	1	30	622.90	1.605e-3	1.983e-2