

GeDiPNet Cluster 202 -- 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 00:29:06

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
urea cycle	GO:0000050	7	ASL, CPS1, ARG1, ASS1, NAGS, OTC, SLC25A15	12	13	838.52	8.605e-21	1.552e-17
L-arginine biosynthetic process	GO:0006526	4	ASL, ASS1, NAGS, OTC	4	13	1437.46	1.408e-13	7.529e-11
midgut development	GO:0007494	3	CPS1, ASS1, OTC	8	13	539.05	1.470e-8	2.391e-6
L-arginine biosynthetic process via ornithine	GO:0042450	2	ASL, OTC	2	13	1437.46	4.468e-7	4.249e-5
monoatomic anion homeostasis	GO:0055081	2	CPS1, OTC	2	13	1437.46	4.468e-7	4.249e-5
amino acid biosynthetic process	GO:0008652	3	ASL, ASS1, OTC	27	13	159.72	7.619e-7	6.666e-5
response to zinc ion	GO:0010043	3	CPS1, ASS1, OTC	27	13	159.72	7.619e-7	6.666e-5
cellular response to oleic acid	GO:0071400	2	CPS1, ASS1	3	13	958.31	1.340e-6	1.045e-4
amino acid metabolic process	GO:0006520	3	ASL, OTC, GLUD1	37	13	116.55	2.016e-6	1.448e-4
citrulline biosynthetic process	GO:0019240	2	CPS1, OTC	4	13	718.73	2.678e-6	1.815e-4
positive regulation of nitric oxide biosynthetic process	GO:0045429	3	ASL, ASS1, TLR5	42	13	102.68	2.972e-6	1.979e-4
cellular response to ammonium ion	GO:0071242	2	CPS1, ASS1	5	13	574.98	4.462e-6	2.741e-4
response to glucocorticoid	GO:0051384	3	CPS1, ASS1, ABCA3	53	13	81.37	6.039e-6	3.489e-4
arginine metabolic process	GO:0006525	2	ASL, ARG1	8	13	359.37	1.248e-5	6.208e-4
response to xenobiotic stimulus	GO:0009410	4	CPS1, ASS1, OTC, ABCA3	248	13	23.18	1.970e-5	8.873e-4