

GeDiPNet Cluster 132 -- 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 19:43:06

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
heme B biosynthetic process	GO:0006785	8	UROS, ALAS1, ALAD, HMBS, ALAS2, FECH, PPOX, UROD	10	11	1359.05	2.016e-26	7.269e-23
protoporphyrinogen IX biosynthetic process	GO:0006782	7	UROS, ALAS1, ALAD, HMBS, ALAS2, PPOX, UROD	9	11	1321.30	7.530e-23	1.804e-19
heme O biosynthetic process	GO:0048034	7	UROS, ALAS1, ALAD, HMBS, FECH, PPOX, UROD	9	11	1321.30	7.530e-23	1.804e-19
heme A biosynthetic process	GO:0006784	7	UROS, ALAS1, ALAD, HMBS, FECH, PPOX, UROD	10	11	1189.17	2.510e-22	5.591e-19
heme biosynthetic process	GO:0006783	8	UROS, ALAS1, ALAD, HMBS, ALAS2, FECH, PPOX, UROD	27	11	503.35	9.920e-22	1.994e-18
porphyrin-containing compound biosynthetic process	GO:0006779	6	UROS, ALAD, HMBS, FECH, PPOX, UROD	11	11	926.63	3.608e-18	4.412e-15
tetrapyrrole biosynthetic process	GO:0033014	5	UROS, ALAS1, ALAD, HMBS, ALAS2	5	11	1698.82	2.434e-17	2.661e-14
response to platinum ion	GO:0070541	4	UROS, ALAS1, ALAD, FECH	4	11	1698.82	6.497e-14	3.683e-11
hemoglobin biosynthetic process	GO:0042541	3	ALAS1, EPO, ALAS2	6	11	849.41	3.032e-9	5.958e-7
porphyrin-containing compound metabolic process	GO:0006778	3	ALAS1, ALAS2, UROD	7	11	728.06	5.304e-9	9.827e-7
erythrocyte differentiation	GO:0030218	4	GATA1, EPO, ALAS2, FECH	65	11	104.54	4.319e-8	5.983e-6
erythrocyte development	GO:0048821	3	GATA1, ALAS1, ALAS2	32	11	159.26	7.456e-7	6.545e-5
protoporphyrinogen IX metabolic process	GO:0046501	2	FECH, PPOX	3	11	1132.55	9.448e-7	7.934e-5
response to hypoxia	GO:0001666	4	ALAS1, EPO, ALAD, ALAS2	176	11	38.61	2.383e-6	1.656e-4
response to herbicide	GO:0009635	2	ALAS1, ALAD	5	11	679.53	3.147e-6	2.073e-4