

GeDiPNet Cluster 86 -- 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: 2026-10-10 03:23:26. · Rows: 15 · Generated: 2026-10-10 07:34:58

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
nucleotide-excision repair	GO:0006289	9	ERCC1, ERCC2, ERCC5, ERCC3, GTF2H5, DDB2, ERCC4, XPA, XPC	42	23	174.10	4.662e-19	6.128e-16
DNA repair	GO:0006281	12	RNF113A, ERCC1, ERCC2, ERCC5, ERCC6, ERCC3, GTF2H5, DDB2, ERCC4, POLH, XPA, XPC	420	23	23.21	1.538e-14	9.813e-12
response to UV	GO:0009411	7	ERCC2, ERCC5, ERCC6, ERCC3, DDB2, ERCC4, XPA	54	23	105.32	2.658e-13	1.356e-10
DNA damage response	GO:0006974	12	RNF113A, ERCC1, ERCC2, ERCC5, ERCC6, ERCC3, GTF2H5, DDB2, ERCC4, POLH, XPA, XPC	577	23	16.90	6.652e-13	3.148e-10
UV protection	GO:0009650	5	ERCC1, ERCC2, ERCC3, ERCC4, XPA	12	23	338.53	1.396e-12	6.304e-10
UV-damage excision repair	GO:0070914	4	ERCC1, DDB2, XPA, XPC	11	23	295.45	5.720e-10	1.381e-7
regulation of mitotic cell cycle phase transition	GO:1901990	4	ERCC2, ERCC3, PLK1, XPC	11	23	295.45	5.720e-10	1.381e-7
transcription-coupled nucleotide-excision repair	GO:0006283	4	ERCC2, ERCC5, ERCC6, ERCC3	12	23	270.83	8.574e-10	1.966e-7
pyrimidine dimer repair	GO:0006290	3	ERCC6, DDB2, POLH	4	23	609.36	6.509e-9	1.171e-6
transcription elongation by RNA polymerase I	GO:0006362	3	ERCC2, ERCC6, GTF2H5	7	23	348.20	5.682e-8	7.590e-6
tRNA aminoacylation for protein translation	GO:0006418	4	AARS1, CARS1, TARS1, MARS1	36	23	90.28	1.001e-7	1.229e-5
transcription initiation at RNA polymerase II promoter	GO:0006367	4	ERCC2, ERCC3, GTF2E2, GTF2H5	48	23	67.71	3.273e-7	3.375e-5
response to oxidative stress	GO:0006979	5	ERCC1, ERCC2, ERCC6, ERCC3, XPA	146	23	27.82	8.165e-7	7.180e-5
nucleotide-excision repair involved in interstrand cross-link repair	GO:1901255	2	ERCC4, XPA	2	23	812.48	1.449e-6	1.150e-4
telomeric DNA-containing double minutes formation	GO:0061819	2	ERCC1, ERCC4	3	23	541.65	4.344e-6	2.761e-4