

GeDiPNet Cluster 113 -- 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 18:02:52

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	ERCC2, ERCC3, GTF2H5, DDB2, ERCC1, ERCC4, ERCC5, XPA, XPC	42	21	190.68	1.682e-19	2.504e-16
DNA repair	GO:0006281	11	RNF113A, ERCC2, ERCC3, GTF2H5, DDB2, ERCC1, ERCC4, ERCC5, POLH, XPA, XPC	420	21	23.31	1.871e-13	9.858e-11
UV protection	GO:0009650	5	ERCC2, ERCC3, ERCC1, ERCC4, XPA	12	21	370.77	8.449e-13	3.938e-10
DNA damage response	GO:0006974	11	RNF113A, ERCC2, ERCC3, GTF2H5, DDB2, ERCC1, ERCC4, ERCC5, POLH, XPA, XPC	577	21	16.96	5.899e-12	2.283e-9
response to UV	GO:0009411	6	ERCC2, ERCC3, DDB2, ERCC4, ERCC5, XPA	54	21	98.87	2.294e-11	7.658e-9
UV-damage excision repair	GO:0070914	4	DDB2, ERCC1, XPA, XPC	11	21	323.58	3.869e-10	9.543e-8
regulation of mitotic cell cycle phase transition	GO:1901990	4	ERCC2, ERCC3, PLK1, XPC	11	21	323.58	3.869e-10	9.543e-8
tRNA aminoacylation for protein translation	GO:0006418	4	AARS1, CARS1, TARS1, MARS1	36	21	98.87	6.781e-8	8.759e-6
transcription initiation at RNA polymerase II promoter	GO:0006367	4	ERCC2, ERCC3, GTF2E2, GTF2H5	48	21	74.15	2.220e-7	2.368e-5
transcription-coupled nucleotide-excision repair	GO:0006283	3	ERCC2, ERCC3, ERCC5	12	21	222.46	2.673e-7	2.763e-5
nucleotide-excision repair involved in interstrand cross-link repair	GO:1901255	2	ERCC4, XPA	2	21	889.86	1.203e-6	9.610e-5
telomeric DNA-containing double minutes formation	GO:0061819	2	ERCC1, ERCC4	3	21	593.24	3.606e-6	2.311e-4
negative regulation of protection from non-homologous end joining at telomere	GO:1905765	2	ERCC1, ERCC4	3	21	593.24	3.606e-6	2.311e-4
pyrimidine dimer repair by nucleotide-excision repair	GO:0000720	2	ERCC1, XPC	4	21	444.93	7.207e-6	4.018e-4
pyrimidine dimer repair	GO:0006290	2	DDB2, POLH	4	21	444.93	7.207e-6	4.018e-4