

GeDiPNet Cluster 502 -- 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: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-20 00:01:23

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
intermediate filament organization	GO:0045109	5	KRT16, KRT17, KRT6A, KRT6B, KRT10	70	5	266.96	6.377e-13	3.108e-10
morphogenesis of an epithelium	GO:0002009	4	KRT16, KRT17, KRT6A, KRT10	51	5	293.13	2.455e-10	6.855e-8
keratinization	GO:0031424	4	KRT16, KRT17, KRT6A, KRT6B	73	5	204.79	1.068e-9	2.455e-7
keratinocyte differentiation	GO:0030216	2	KRT16, KRT10	69	5	108.33	1.334e-4	3.795e-3
negative regulation of entry of bacterium into host cell	GO:2000536	1	KRT6A	2	5	1868.70	5.351e-4	9.880e-3
positive regulation of epidermis development	GO:0045684	1	KRT10	5	5	747.48	1.337e-3	1.709e-2
keratinocyte migration	GO:0051546	1	KRT16	6	5	622.90	1.605e-3	1.885e-2
positive regulation of hair follicle development	GO:0051798	1	KRT17	7	5	533.91	1.872e-3	2.050e-2
ectoderm development	GO:0007398	1	KRT6B	15	5	249.16	4.007e-3	3.008e-2
protein heterotetramerization	GO:0051290	1	KRT10	16	5	233.59	4.274e-3	3.094e-2
hair cycle	GO:0042633	1	KRT16	18	5	207.63	4.807e-3	3.273e-2
peptide cross-linking	GO:0018149	1	KRT10	19	5	196.71	5.074e-3	3.369e-2
intermediate filament cytoskeleton organization	GO:0045104	1	KRT16	23	5	162.50	6.140e-3	3.675e-2
hair follicle morphogenesis	GO:0031069	1	KRT17	34	5	109.92	9.065e-3	4.436e-2
establishment of skin barrier	GO:0061436	1	KRT16	37	5	101.01	9.862e-3	4.622e-2