

GeDiPNet Shared-Gene Disease Pairs

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test ($P(X \geq k)$), Benjamini-Hochberg FDR-corrected across all tested pairs. Corroborated Shared Genes: count of shared genes backed by ≥ 2 distinct disease_gdp.main_source values combined across both diseases (e.g. GWAS-backed for one, ClinVar-backed for the other still counts); Shared Gene Names lists each gene's own source count in parentheses. Overlap Coefficient: shared genes / MIN(each disease's own total gene count) -- complements the Jaccard-based Similarity Score by showing how much of the SMALLER disease's entire known gene-set is covered by this pair, which Jaccard (dividing by the union) can understate. Shared Cluster: cluster id if both diseases fall in the same label-propagation cluster (scripts/build_disease_clusters.php), blank otherwise. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-11 03:00:14. Filters applied: disease name contains "Appendiceal disorder" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 04:09:36

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Appendiceal disorder	Premature ovarian failure	1	1	MND1 (2)	0.00847	0.25000	2.929e-2	3.114e-2	
Appendiceal disorder	Central nervous system cancer	2	0	FFAR2 (1), KRTDAP (1)	0.00303	0.50000	1.027e-2	1.161e-2	
Appendiceal disorder	Glioblastoma	2	0	FFAR2 (1), KRTDAP (1)	0.00328	0.50000	8.829e-3	1.018e-2	
Androgenetic alopecia	Appendiceal disorder	2	0	MND1 (1), TMEM131L (1)	0.00487	0.50000	4.056e-3	5.124e-3	
Appendiceal disorder	Appendicitis	4	0	MND1 (1), TMEM131L (1), FFAR2 (1), KRTDAP (1)	0.12903	1.00000	1.170e-11	1.278e-10	