

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: 2026-10-20 03:00:20. Filters applied: disease name contains "Fundus albipunctatus" (5 matching pairs). · Rows: 5 · Generated: 2026-10-20 09:42:14

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Fundus albipunctatus	Macular and posterior pole degeneration	1	1	RDH5 (2)	0.06667	0.50000	1.678e-3	2.343e-3	
Bothnia retinal dystrophy	Fundus albipunctatus	1	1	RLBP1 (7)	0.33333	1.00000	1.291e-4	3.269e-4	
Fundus albipunctatus	Macular degeneration	2	2	RDH5 (2), RLBP1 (3)	0.02899	1.00000	1.899e-5	9.974e-5	
Fundus albipunctatus	Night blindness, congenital stationary	2	2	RDH5 (2), RLBP1 (2)	0.07143	1.00000	2.927e-6	1.681e-5	
Fundus albipunctatus	Retinitis punctata albescens	2	2	RDH5 (3), RLBP1 (4)	0.28571	1.00000	1.251e-7	8.632e-7	