

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 "Dyschromatosis symmetrica hereditaria" (6 matching pairs). · Rows: 6 · Generated: 2026-10-11 16:36:49

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Cancer, alopecia, pigment dyscrasia, onychodystrophy, and keratoderma	Dyschromatosis symmetrica hereditaria	1	1	SASH1 (5)	0.25000	1.00000	1.948e-4	5.354e-4	
Dyschromatosis	Dyschromatosis symmetrica hereditaria	1	1	SASH1 (5)	0.25000	1.00000	1.948e-4	5.354e-4	
Dyschromatosis symmetrica hereditaria	microphthalmia, isolated, with coloboma 7	1	1	ABCB6 (7)	0.25000	1.00000	1.948e-4	5.354e-4	
Cleft eyelid	Dyschromatosis symmetrica hereditaria	1	1	ABCB6 (7)	0.14286	0.33333	7.792e-4	1.405e-3	
Congenital iris coloboma	Dyschromatosis symmetrica hereditaria	1	1	ABCB6 (7)	0.12500	0.33333	9.739e-4	1.665e-3	
Dyschromatosis symmetrica hereditaria	Rotator cuff tear	1	1	SASH1 (6)	0.05556	0.33333	2.920e-3	3.876e-3	