

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: 2026-10-21 12:58:11. Filters applied: disease name contains "Laurin-sandrow syndrome" (12 matching pairs). · Rows: 12 · Generated: 2026-10-21 15:58:42

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Acheiropody	Laurin-sandrow syndrome	1	1	LMBR1 (2)	0.33333	1.00000	1.291e-4	3.269e-4	
Holoprosencephaly 3	Laurin-sandrow syndrome	1	1	SHH (2)	0.33333	1.00000	1.291e-4	3.269e-4	
Hypoplastic or aplastic tibia with polydactyly	Laurin-sandrow syndrome	1	0	LMBR1 (1)	0.33333	1.00000	1.291e-4	3.269e-4	
Laurin-sandrow syndrome	Patterson stevenson fontaine syndrome	1	1	LMBR1 (2)	0.33333	1.00000	1.291e-4	3.269e-4	
Laurin-sandrow syndrome	Microphthalmia with coloboma 5	1	0	SHH (1)	0.33333	1.00000	1.291e-4	3.269e-4	
Laurin-sandrow syndrome	Polydactyly, preaxial type ii	1	0	LMBR1 (1)	0.33333	1.00000	1.291e-4	3.269e-4	
Laurin-sandrow syndrome	Preaxial polydactyly with upper back hypertrichosis	1	1	SHH (3)	0.33333	1.00000	1.291e-4	3.269e-4	
Laurin-sandrow syndrome	Solitary median maxillary central incisor	1	0	SHH (1)	0.33333	1.00000	1.291e-4	3.269e-4	
Laurin-sandrow syndrome	Syndactyly	2	2	LMBR1 (5), SHH (3)	0.07692	1.00000	2.501e-6	1.445e-5	
Hypoplasia or aplasia of tibia with polydactyly	Laurin-sandrow syndrome	2	0	LMBR1 (1), SHH (1)	0.66667	1.00000	8.338e-9	6.594e-8	
Laurin-sandrow syndrome	Triphalangeal thumb-polysyndactyly syndrome	2	2	LMBR1 (4), SHH (3)	0.66667	1.00000	8.338e-9	6.594e-8	
Laurin-sandrow syndrome	Preaxial polydactyly 2	2	0	LMBR1 (1), SHH (1)	0.66667	1.00000	8.338e-9	6.594e-8	