

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 "joubert syndrome 1" (15 matching pairs). · Rows: 15 · Generated: 2026-10-11 13:29:39

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
joubert syndrome 17	Polydactyly	1	1	CPLANE1 (2)	0.02500	1.00000	2.533e-3	3.446e-3	
joubert syndrome 17	Orofaciodigital syndrome	1	1	CPLANE1 (7)	0.03030	1.00000	2.078e-3	2.969e-3	
joubert syndrome 17	Uranostaphyloschisis	1	1	CPLANE1 (2)	0.04000	1.00000	1.559e-3	2.376e-3	
Hydranencephaly	joubert syndrome 14	1	1	TMEM237 (2)	0.04348	1.00000	1.429e-3	2.226e-3	110
Congenital brain malformation	joubert syndrome 14	1	1	TMEM237 (2)	0.05556	1.00000	1.104e-3	1.826e-3	110
Congenital hypoplasia of part of brain	joubert syndrome 14	1	1	TMEM237 (2)	0.05556	1.00000	1.104e-3	1.826e-3	110
joubert syndrome 14	Microgyria	1	1	TMEM237 (2)	0.05556	1.00000	1.104e-3	1.826e-3	110
Arima syndrome	joubert syndrome 14	1	1	TMEM237 (2)	0.12500	1.00000	4.546e-4	9.726e-4	
joubert syndrome 1	Penile disease	1	1	INPP5E (2)	0.14286	1.00000	3.897e-4	8.665e-4	
joubert syndrome 17	Monomelic amyotrophy	1	1	CPLANE1 (2)	0.14286	1.00000	3.897e-4	8.665e-4	
Coach syndrome	joubert syndrome 1	1	1	INPP5E (2)	0.16667	1.00000	3.247e-4	7.709e-4	
Congenital hemivertebra	joubert syndrome 1	1	1	INPP5E (2)	0.16667	1.00000	3.247e-4	7.709e-4	
Encephalocele	joubert syndrome 17	1	1	CPLANE1 (2)	0.20000	1.00000	2.598e-4	6.509e-4	70
Congenital hypoplasia of femur	joubert syndrome 1	1	1	INPP5E (2)	0.33333	1.00000	1.299e-4	3.931e-4	
joubert syndrome 1	MORM syndrome	1	0	INPP5E (1)	0.50000	1.00000	6.494e-5	2.331e-4	