

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: 2026-10-12 03:00:13. Filters applied: disease name contains "Kleine-levin syndrome" (5 matching pairs). · Rows: 5 · Generated: 2026-10-12 11:40:13

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Intellectual disability	Kleine-levin syndrome	1	0	NAA10 (1)	0.01205	0.14286	3.405e-2	3.605e-2	
Kleine-levin syndrome	Microphthalmia	1	1	NAA10 (6)	0.02222	0.14286	1.715e-2	1.881e-2	
Kleine-levin syndrome	Mobius syndrome	1	0	PLXND1 (1)	0.04545	0.14286	6.800e-3	8.080e-3	
Bilirubin metabolism disease	Kleine-levin syndrome	1	1	TRANK1 (3)	0.05263	0.14286	5.444e-3	6.629e-3	
Kleine-levin syndrome	NAA10-related syndrome	1	1	NAA10 (2)	0.12500	1.00000	4.546e-4	9.726e-4	