

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 "Renal hypertension" (6 matching pairs). · Rows: 6 · Generated: 2026-10-11 13:03:50

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
macrothrombocytopenia and granulocyte inclusions with or without nephritis or sensorineural hearing loss	Renal hypertension	1	1	MYH9 (3)	0.12500	1.00000	4.546e-4	9.726e-4	
Renal hypertension	Sebastian syndrome	1	1	MYH9 (2)	0.12500	1.00000	4.546e-4	9.726e-4	
Hypercapnia	Renal hypertension	1	1	NPPA (2)	0.11111	0.50000	9.090e-4	1.576e-3	
Deafness, sensorineural, autosomal-mitochondrial type	Renal hypertension	1	0	ND1 (1)	0.11111	0.50000	9.090e-4	1.576e-3	
Anuria	Renal hypertension	1	1	AGT (2)	0.10000	0.33333	1.363e-3	2.148e-3	
Post-operative acute kidney injury	Renal hypertension	1	1	HSPA8 (2)	0.05556	0.14286	4.991e-3	6.120e-3	