

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 "Nephrogenic diabetes insipidus" (6 matching pairs). · Rows: 6 · Generated: 2026-10-11 11:31:53

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Nephrogenic diabetes insipidus	Neurogenic diabetes insipidus	4	4	AVP (5), PRKCA (2), AQP2 (5), AVPR2 (6)	0.80000	1.00000	4.271e-16	6.517e-15	
Arginine vasopressin resistance	Nephrogenic diabetes insipidus	2	2	AQP2 (3), AVPR2 (3)	0.40000	1.00000	5.062e-8	3.708e-7	
Diabetes insipidus	Nephrogenic diabetes insipidus	2	2	AVP (4), AQP2 (2)	0.28571	0.50000	3.036e-7	1.951e-6	
Arginine vasopressin deficiency	Nephrogenic diabetes insipidus	1	1	AVP (3)	0.20000	1.00000	2.598e-4	6.509e-4	
Hereditary arginine vasopressin deficiency	Nephrogenic diabetes insipidus	1	1	AVP (3)	0.20000	1.00000	2.598e-4	6.509e-4	
Nephrogenic diabetes insipidus	Shy-drager syndrome	1	1	AVP (4)	0.14286	0.33333	7.792e-4	1.405e-3	