

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: 2026-10-20 03:00:20. Filters applied: disease name contains "Extragonadal nonseminomatous germ cell tumor" (6 matching pairs). · Rows: 6 · Generated: 2026-10-20 03:12:21

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Extragonadal nonseminomatous germ cell tumor	Yolk sac tumor	3	0	CDKN2A (1), MTOR (1), CBL (1)	0.13043	0.33333	7.570e-8	5.384e-7	
Extragonadal nonseminomatous germ cell tumor	Infiltrating bladder urothelial carcinoma sarcomatoid variant	2	0	CDKN2A (1), MTOR (1)	0.11111	0.22222	1.348e-5	7.175e-5	
Extragonadal nonseminomatous germ cell tumor	Pituitary adenoma 4, adrenocorticotrophic hormone-secreting	1	0	USP8 (1)	0.10000	1.00000	5.811e-4	1.000e-3	
Extragonadal nonseminomatous germ cell tumor	Inclusion body myopathy with early-onset paget disease with or without frontotemporal dementia 2	1	1	HNRNPA2B1 (2)	0.10000	1.00000	5.811e-4	1.000e-3	
Atypical multiple mole melanoma syndrome	Extragonadal nonseminomatous germ cell tumor	1	1	CDKN2A (3)	0.10000	1.00000	5.811e-4	1.000e-3	
Extragonadal nonseminomatous germ cell tumor	Oculopharyngeal muscular dystrophy	1	1	HNRNPA2B1 (5)	0.09091	0.50000	1.162e-3	1.729e-3	