

GeDiPNet Cluster 11 -- Pairs Within Cluster

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected across all tested pairs. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-07 03:00:13. · Rows: 57 · Generated: 2026-10-07 04:44:24

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Male infertility single gene azoospermia	Spermatogenic failure	0.20652	38	1.042e-55	6.275e-54
Congenital impairment of spermatozoa motility	Spermatogenic failure	0.16949	20	7.341e-41	3.308e-39
Male infertility single gene azoospermia	Testicular azoospermia	0.16529	20	5.607e-36	2.230e-34
Spermatogenic failure	Testicular azoospermia	0.15625	20	2.241e-35	8.619e-34
Azoospermia	Male infertility single gene azoospermia	0.10236	13	1.292e-20	2.684e-19
Azoospermia	Spermatogenic failure	0.09701	13	3.066e-20	6.263e-19
Male infertility	Spermatogenic failure	0.08654	18	1.498e-19	2.933e-18
Azoospermia	Premature ovarian failure	0.07299	10	1.862e-14	2.700e-13
Male infertility	Testicular azoospermia	0.07407	10	2.019e-14	2.924e-13
Male infertility	Male infertility single gene azoospermia	0.06829	14	3.072e-14	4.371e-13
Premature ovarian failure	Spermatogenic failure	0.06512	14	1.106e-13	1.508e-12
Azoospermia	Testicular azoospermia	0.11864	7	3.408e-13	4.548e-12
Congenital impairment of spermatozoa motility	Teratozoospermia	0.13333	6	1.584e-12	1.997e-11
Male infertility single gene azoospermia	Premature ovarian failure	0.05213	11	3.832e-10	3.827e-9
Spermatogenic failure	Teratozoospermia	0.05185	7	7.954e-10	7.684e-9
Azoospermia	Male infertility	0.04348	6	9.527e-8	7.053e-7
Congenital impairment of spermatozoa motility	primary ciliary dyskinesia	0.10000	3	2.431e-7	1.684e-6
primary ciliary dyskinesia	Teratozoospermia	0.08824	3	4.011e-7	2.663e-6
Congenital impairment of spermatozoa motility	Male infertility spermatogenesis disorder	0.08108	3	1.610e-6	9.650e-6
Male infertility large polyploid spermatozoa	Male infertility spermatogenesis disorder	0.08333	2	3.629e-5	1.761e-4
Congenital impairment of spermatozoa motility	Spermatogenic failure, x-linked	0.06667	2	5.943e-5	2.342e-4
Male infertility teratozoospermia	Spermatogenic failure	0.01739	2	5.434e-5	2.342e-4
Spermatogenic failure, x-linked	Testicular azoospermia	0.05000	2	1.237e-4	3.898e-4
Spermatogenic failure, x-linked	spermatogenic failure, x-linked, 3	0.11111	1	5.195e-4	1.041e-3
primary ciliary dyskinesia	spermatogenic failure 18	0.10000	1	5.845e-4	1.135e-3
primary ciliary dyskinesia	Young syndrome	0.10000	1	5.845e-4	1.135e-3
primary ciliary dyskinesia	spermatogenic failure 56	0.10000	1	5.845e-4	1.135e-3
Male infertility large polyploid spermatozoa	spermatogenic failure 5	0.10000	1	5.845e-4	1.135e-3
Male infertility large polyploid spermatozoa	spermatogenic failure, x-linked, 3	0.10000	1	5.845e-4	1.135e-3
Male infertility large polyploid spermatozoa	spermatogenic failure 56	0.10000	1	5.845e-4	1.135e-3

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Male infertility large polyploid spermatozoa	spermatogenic failure 46	0.10000	1	5.845e-4	1.135e-3
Male infertility spermatogenesis disorder	spermatogenic failure 38	0.05882	1	1.039e-3	1.720e-3
Male infertility spermatogenesis disorder	spermatogenic failure 39	0.05882	1	1.039e-3	1.720e-3
Male infertility spermatogenesis disorder	spermatogenic failure 5	0.05882	1	1.039e-3	1.720e-3
Congenital impairment of spermatozoa motility	spermatogenic failure 18	0.04167	1	1.494e-3	2.294e-3
Congenital impairment of spermatozoa motility	spermatogenic failure 38	0.04167	1	1.494e-3	2.294e-3
Congenital impairment of spermatozoa motility	spermatogenic failure 39	0.04167	1	1.494e-3	2.294e-3
Spermatogenic failure, x-linked	Synovial sarcoma	0.09091	1	1.558e-3	2.360e-3
Teratozoospermia	X-linked intellectual disability, Cabezas type	0.03571	1	1.753e-3	2.593e-3
ciliary dyskinesia, primary, 45	Teratozoospermia	0.03571	1	1.753e-3	2.593e-3
spermatogenic failure 56	Teratozoospermia	0.03571	1	1.753e-3	2.593e-3
spermatogenic failure 38	Teratozoospermia	0.03571	1	1.753e-3	2.593e-3
spermatogenic failure 18	Teratozoospermia	0.03571	1	1.753e-3	2.593e-3
Ruijs-aalfs syndrome	Teratozoospermia	0.03571	1	1.753e-3	2.593e-3
Congenital impairment of spermatozoa motility	Male infertility teratozoospermia	0.04000	1	2.985e-3	3.939e-3
Congenital impairment of spermatozoa motility	Synovial sarcoma	0.03846	1	4.475e-3	5.598e-3
Male infertility large polyploid spermatozoa	Spermatogenic failure, x-linked	0.05882	1	4.667e-3	5.784e-3
Male infertility single gene azoospermia	spermatogenic failure 56	0.00926	1	6.949e-3	8.230e-3
Male infertility single gene azoospermia	SYCE1-related gametogenic failure	0.00926	1	6.949e-3	8.230e-3
Male infertility	spermatogenic failure 5	0.00893	1	7.209e-3	8.517e-3
Spermatogenic failure	spermatogenic failure 46	0.00870	1	7.404e-3	8.702e-3
Spermatogenic failure	spermatogenic failure 5	0.00870	1	7.404e-3	8.702e-3
Spermatogenic failure	spermatogenic failure 39	0.00870	1	7.404e-3	8.702e-3
Spermatogenic failure	spermatogenic failure 38	0.00870	1	7.404e-3	8.702e-3
Premature ovarian failure	SYCE1-related gametogenic failure	0.00870	1	7.404e-3	8.702e-3
Spermatogenic failure	SYCE1-related gametogenic failure	0.00870	1	7.404e-3	8.702e-3
Congenital alpha-fetoprotein deficiency	Premature ovarian failure	0.00870	1	7.404e-3	8.702e-3