

GeDiPNet Cluster 11 -- Top Shared Genes

Curated genes (disease_gdp) linked to 2 or more of this cluster's member diseases, most widely shared first. Data as of: 2026-10-07 03:15:01. · Rows: 118 · Generated: 2026-10-07 17:15:16

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
DNAH10	7	27	Male infertility; Male infertility large polyploid spermatozoa; Male infertility single gene azoospermia; primary ciliary dyskinesia; Spermatogenic failure; spermatogenic failure 56; Teratozoospermia
ARMC2	5	27	Congenital impairment of spermatozoa motility; Male infertility spermatogenesis disorder; Spermatogenic failure; spermatogenic failure 38; Teratozoospermia
AURKC	5	27	Male infertility; Male infertility large polyploid spermatozoa; Male infertility spermatogenesis disorder; Spermatogenic failure; spermatogenic failure 5
C14ORF39	5	27	Azoospermia; Male infertility single gene azoospermia; Premature ovarian failure; Spermatogenic failure; Testicular azoospermia
DNAH1	5	27	Congenital impairment of spermatozoa motility; primary ciliary dyskinesia; Spermatogenic failure; spermatogenic failure 18; Teratozoospermia
FANCM	5	27	Azoospermia; Male infertility single gene azoospermia; Male infertility spermatogenesis disorder; Premature ovarian failure; Spermatogenic failure
MOV10L1	5	27	Azoospermia; Male infertility; Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
MSH5	5	27	Azoospermia; Male infertility single gene azoospermia; Premature ovarian failure; Spermatogenic failure; Testicular azoospermia
NR5A1	5	27	Male infertility; Male infertility single gene azoospermia; Premature ovarian failure; Spermatogenic failure; Testicular azoospermia
CFAP43	4	27	Congenital impairment of spermatozoa motility; primary ciliary dyskinesia; Spermatogenic failure; Teratozoospermia
DMRT1	4	27	Male infertility; Male infertility single gene azoospermia; spermatogenic failure; Testicular azoospermia
DNAH17	4	27	Congenital impairment of spermatozoa motility; Male infertility spermatogenesis disorder; Spermatogenic failure; spermatogenic failure 39
DNHD1	4	27	Male infertility large polyploid spermatozoa; Male infertility single gene azoospermia; Male infertility spermatogenesis disorder; Spermatogenic failure
GCNA	4	27	Azoospermia; Male infertility single gene azoospermia; Spermatogenic failure, x-linked; Testicular azoospermia
M1AP	4	27	Male infertility; Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
MEIOB	4	27	Azoospermia; Male infertility single gene azoospermia; Premature ovarian failure; Spermatogenic failure
PNLDC1	4	27	Male infertility; Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
SHOC1	4	27	Male infertility; Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
STAG3	4	27	Male infertility single gene azoospermia; Premature ovarian failure; Spermatogenic failure; Testicular azoospermia
SYCE1	4	27	Male infertility single gene azoospermia; Premature ovarian failure; Spermatogenic failure; SYCE1-related gametogenic failure
SYCP3	4	27	Azoospermia; Male infertility; Male infertility single gene azoospermia; Spermatogenic failure
TDRD9	4	27	Azoospermia; Male infertility; Male infertility single gene azoospermia; Spermatogenic failure
TERB1	4	27	Azoospermia; Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
TEX11	4	27	Male infertility; Male infertility single gene azoospermia; Spermatogenic failure, x-linked; Testicular azoospermia
USP26	4	27	Congenital impairment of spermatozoa motility; Male infertility; Spermatogenic failure, x-linked; Teratozoospermia
ZMYND15	4	27	Male infertility; Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
BRDT	3	27	Azoospermia; Premature ovarian failure; Spermatogenic failure
CATSPER1	3	27	Congenital impairment of spermatozoa motility; Male infertility; Spermatogenic failure
CCDC146	3	27	Male infertility single gene azoospermia; Male infertility spermatogenesis disorder; Spermatogenic failure
CFAP251	3	27	Congenital impairment of spermatozoa motility; Male infertility teratozoospermia; Spermatogenic failure
CFTR	3	27	Azoospermia; Male infertility; Male infertility single gene azoospermia

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
DMC1	3	27	Azoospermia; Spermatogenic failure; Testicular azoospermia
DNAH6	3	27	Male infertility single gene azoospermia; Premature ovarian failure; Spermatogenic failure
DNAH8	3	27	Male infertility large polyploid spermatozoa; Spermatogenic failure; spermatogenic failure 46
FAHD1	3	27	Azoospermia; Premature ovarian failure; Spermatogenic failure
KASH5	3	27	Azoospermia; Premature ovarian failure; Spermatogenic failure
KLHL10	3	27	Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
MCM9	3	27	Male infertility; Premature ovarian failure; Testicular azoospermia
MSH4	3	27	Premature ovarian failure; Spermatogenic failure; Testicular azoospermia
NOS3	3	27	Male infertility; Premature ovarian failure; Teratozoospermia
PDHA2	3	27	Azoospermia; Male infertility single gene azoospermia; Spermatogenic failure
REC8	3	27	Azoospermia; Premature ovarian failure; Testicular azoospermia
RNF212	3	27	Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
SPAG17	3	27	Congenital impairment of spermatozoa motility; Male infertility single gene azoospermia; Spermatogenic failure
SPEF2	3	27	Congenital impairment of spermatozoa motility; primary ciliary dyskinesia; Spermatogenic failure
SSX1	3	27	Congenital impairment of spermatozoa motility; Spermatogenic failure, x-linked; Synovial sarcoma
SYCP2	3	27	Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
TERB2	3	27	Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
TEX14	3	27	Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
TEX15	3	27	Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
TTC21A	3	27	Congenital impairment of spermatozoa motility; Spermatogenic failure; Teratozoospermia
TTC29	3	27	Congenital impairment of spermatozoa motility; Male infertility spermatogenesis disorder; Spermatogenic failure
XRCC2	3	27	Male infertility single gene azoospermia; Premature ovarian failure; Spermatogenic failure
ZSWIM7	3	27	Male infertility single gene azoospermia; Spermatogenic failure; Testicular azoospermia
ACTL7A	2	27	Male infertility; Spermatogenic failure
ACTL9	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
ADCY10	2	27	Male infertility; Teratozoospermia
AFP	2	27	Congenital alpha-fetoprotein deficiency; Premature ovarian failure
AK7	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
AKAP3	2	27	Male infertility large polyploid spermatozoa; Spermatogenic failure
AKAP4	2	27	Congenital impairment of spermatozoa motility; Teratozoospermia
ARMC12	2	27	Male infertility large polyploid spermatozoa; Spermatogenic failure
AXDND1	2	27	Male infertility; Testicular azoospermia
BCL2	2	27	Azoospermia; Male infertility
BNC1	2	27	Male infertility single gene azoospermia; Premature ovarian failure

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
BRWD1	2	27	Male infertility; Premature ovarian failure
CATIP	2	27	Male infertility single gene azoospermia; Spermatogenic failure
CATSPER2	2	27	Male infertility; Spermatogenic failure
CCDC34	2	27	Male infertility single gene azoospermia; Spermatogenic failure
CFAP221	2	27	primary ciliary dyskinesia; Young syndrome
CFAP44	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
CFAP47	2	27	Male infertility large polyploid spermatozoa; Spermatogenic failure, x-linked
CFAP57	2	27	primary ciliary dyskinesia; Spermatogenic failure
CFAP61	2	27	Male infertility large polyploid spermatozoa; Spermatogenic failure
CFAP65	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
CFAP69	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
CFAP70	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
CFAP91	2	27	Male infertility teratozoospermia; Spermatogenic failure
CT55	2	27	Male infertility single gene azoospermia; Spermatogenic failure, x-linked
CUL4B	2	27	Teratozoospermia; X-linked intellectual disability, Cabezas type
CYP17A1	2	27	Male infertility; Premature ovarian failure
DCAF6	2	27	Male infertility; Teratozoospermia
DDX25	2	27	Azoospermia; Male infertility single gene azoospermia
DHX37	2	27	Male infertility single gene azoospermia; Male infertility spermatogenesis disorder
DNAH3	2	27	Male infertility; Spermatogenic failure
DNAH7	2	27	Male infertility single gene azoospermia; primary ciliary dyskinesia
DRC1	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
FBXO43	2	27	Male infertility single gene azoospermia; Spermatogenic failure
FKBP6	2	27	Male infertility; Spermatogenic failure
FSIP2	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
HENMT1	2	27	Azoospermia; Male infertility
HFM1	2	27	Azoospermia; Premature ovarian failure
HORMAD1	2	27	Male infertility; Male infertility single gene azoospermia
IFT74	2	27	Male infertility large polyploid spermatozoa; Spermatogenic failure
KMT2D	2	27	Male infertility; Male infertility spermatogenesis disorder
MCM8	2	27	Azoospermia; Premature ovarian failure
MCMD2C2	2	27	Azoospermia; Male infertility single gene azoospermia
NANOS1	2	27	Male infertility single gene azoospermia; Spermatogenic failure
NCKAP5	2	27	Male infertility; Premature ovarian failure

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
PIWIL2	2	27	Male infertility; Male infertility single gene azoospermia
PMFBP1	2	27	Spermatogenic failure; Teratozoospermia
POLG	2	27	Male infertility; Premature ovarian failure
PROK2	2	27	Male infertility single gene azoospermia; Male infertility spermatogenesis disorder
PROKR2	2	27	Male infertility single gene azoospermia; Male infertility spermatogenesis disorder
RPL10L	2	27	Male infertility single gene azoospermia; Spermatogenic failure
SEPTIN12	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
SEPTIN4	2	27	Male infertility; Spermatogenic failure
SLC26A8	2	27	Congenital impairment of spermatozoa motility; Spermatogenic failure
SOHLH1	2	27	Male infertility single gene azoospermia; Spermatogenic failure
SPATA16	2	27	Spermatogenic failure; Teratozoospermia
SPATA22	2	27	Premature ovarian failure; Spermatogenic failure
SPINK2	2	27	Male infertility single gene azoospermia; Spermatogenic failure
SPRTN	2	27	Ruijs-aalfs syndrome; Teratozoospermia
STX2	2	27	Male infertility; Spermatogenic failure
TAF4B	2	27	Male infertility single gene azoospermia; Spermatogenic failure
TP63	2	27	Male infertility spermatogenesis disorder; Premature ovarian failure
TTC12	2	27	ciliary dyskinesia, primary, 45; Teratozoospermia
WT1	2	27	Male infertility single gene azoospermia; Premature ovarian failure