

GeDiPNet Cluster 7 -- 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: 2026-10-08 03:15:01. · Rows: 95 · Generated: 2026-10-08 04:59:10

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CC2D2A	8	35	Aplasia of the vermis; Arima syndrome; Ciliopathy; Cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome; Nephronophthisis; Polydactyly
CEP290	8	35	Aplasia of the vermis; Arima syndrome; Bardet-biedl syndrome; Cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome; Nephronophthisis; Senior-loken syndrome
MKS1	7	35	Aplasia of the vermis; Bardet-biedl syndrome; Ciliopathy; Cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome; Polydactyly
RPGRIP1L	7	35	Aplasia of the vermis; Bardet-biedl syndrome; Ciliopathy; Cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome; Nephronophthisis
TMEM216	7	35	Aplasia of the vermis; Arima syndrome; Ciliopathy; Cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome; Orofaciodigital syndrome
TMEM231	7	35	Aplasia of the vermis; Arima syndrome; Ciliopathy; Congenital cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome; Orofaciodigital syndrome
TMEM67	7	35	Aplasia of the vermis; Bardet-biedl syndrome; Ciliopathy; Cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome; Nephronophthisis
NPHP1	6	35	Aplasia of the vermis; Bardet-biedl syndrome; Joubert syndrome; Nephronophthisis; nephronophthisis 1; Senior-loken syndrome
NPHP3	6	35	Aplasia of the vermis; Bardet-biedl syndrome; Joubert syndrome; Meckel-gruber syndrome; Nephronophthisis; Senior-loken syndrome
RLIG1	6	35	Aplasia of the vermis; Bardet-biedl syndrome; Joubert syndrome; Meckel-gruber syndrome; Nephronophthisis; Senior-loken syndrome
SDCCAG8	6	35	Bardet-biedl syndrome; bardet-biedl syndrome 16; Ciliopathy; Cystic kidney disease; Nephronophthisis; Senior-loken syndrome
B9D1	5	35	Aplasia of the vermis; Ciliopathy; Congenital cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome
CPLANE1	5	35	Aplasia of the vermis; Joubert syndrome; Nephronophthisis; Orofaciodigital syndrome; Polydactyly
CSPP1	5	35	Aplasia of the vermis; Dandy-walker syndrome; Joubert syndrome; joubert syndrome 21; Meckel-gruber syndrome
KIF7	5	35	Aplasia of the vermis; Bardet-biedl syndrome; Joubert syndrome; Orofaciodigital syndrome; Polydactyly
NPHP4	5	35	Bardet-biedl syndrome; Joubert syndrome; Nephronophthisis; nephronophthisis 4; Senior-loken syndrome
OFD1	5	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome; Orofaciodigital syndrome; Polydactyly
PIBF1	5	35	Aplasia of the vermis; Ciliopathy; Congenital cerebral hernia; Dandy-walker syndrome; Joubert syndrome
TCTN2	5	35	Aplasia of the vermis; Cystic kidney disease; Joubert syndrome; joubert syndrome 24; Meckel-gruber syndrome
TCTN3	5	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome; Meckel-gruber syndrome; Orofaciodigital syndrome
TMEM138	5	35	Aplasia of the vermis; Arima syndrome; Ciliopathy; Joubert syndrome; Meckel-gruber syndrome
WDPCP	5	35	Aplasia of the vermis; Bardet-biedl syndrome; Ciliopathy; Heart defect, tongue hamartoma and polysyndactyly; Orofaciodigital syndrome
ARMC9	4	35	Aplasia of the vermis; Dandy-walker syndrome; Joubert syndrome; joubert syndrome 30
B9D2	4	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome; Meckel-gruber syndrome
BBS12	4	35	Bardet-biedl syndrome; BBS12-related ciliopathy; Ciliopathy; Polydactyly
CEP164	4	35	CEP164-related ciliopathy; Ciliopathy; Nephronophthisis; Senior-loken syndrome
IFT172	4	35	Aplasia of the vermis; Bardet-biedl syndrome; Ciliopathy; Nephronophthisis
IFT74	4	35	Aplasia of the vermis; Bardet-biedl syndrome; Ciliopathy; Joubert syndrome
INVS	4	35	Cystic kidney disease; Nephronophthisis; nephronophthisis 2; Senior-loken syndrome
IQCB1	4	35	Bardet-biedl syndrome; Ciliopathy; Nephronophthisis; Senior-loken syndrome
KIAA0586	4	35	Aplasia of the vermis; Joubert syndrome; Meckel-gruber syndrome; Polydactyly

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PDE6D	4	35	Aplasia of the vermis; ciliopathy; Joubert syndrome; Orofaciodigital syndrome
SCLT1	4	35	Bardet-biedl syndrome; Ciliopathy; Orofaciodigital syndrome; Senior-loken syndrome
TMEM107	4	35	Ciliopathy; Joubert syndrome; Meckel-gruber syndrome; Orofaciodigital syndrome
TMEM218	4	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome; Meckel-gruber syndrome
TMEM237	4	35	Aplasia of the vermis; Arima syndrome; Joubert syndrome; Meckel-gruber syndrome
TTC21B	4	35	Aplasia of the vermis; Bardet-biedl syndrome; Joubert syndrome; Nephronophthisis
WDR19	4	35	Bardet-biedl syndrome; Ciliopathy; Nephronophthisis; Senior-loken syndrome
ZNF423	4	35	Arima syndrome; Ciliopathy; Joubert syndrome; Nephronophthisis
AHI1	3	35	Aplasia of the vermis; Joubert syndrome; Nephronophthisis
BBS1	3	35	Bardet-biedl syndrome; BBS1-related ciliopathy; Ciliopathy
BBS10	3	35	Bardet-biedl syndrome; Ciliopathy; Polydactyly
BBS2	3	35	Bardet-biedl syndrome; BBS2-related ciliopathy; Ciliopathy
BBS4	3	35	Bardet-biedl syndrome; BBS4-related ciliopathy; Ciliopathy
BBS7	3	35	Bardet-biedl syndrome; BBS7-related ciliopathy; Ciliopathy
BBS9	3	35	Bardet-biedl syndrome; Ciliopathy; Nephronophthisis
C2CD3	3	35	Aplasia of the vermis; Orofaciodigital syndrome; orofacioidigital syndrome type 14
CBY1	3	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome
CEP104	3	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome
CEP120	3	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome
CEP41	3	35	Aplasia of the vermis; ciliopathy; Joubert syndrome
FAM149B1	3	35	Aplasia of the vermis; Joubert syndrome; Orofaciodigital syndrome
HYLS1	3	35	Aplasia of the vermis; Dandy-walker syndrome; Joubert syndrome
IFT140	3	35	Joubert syndrome; Nephronophthisis; Orofaciodigital syndrome
IFT57	3	35	Bardet-biedl syndrome; ciliopathy; Orofaciodigital syndrome
KATNIP	3	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome
KIAA0753	3	35	Aplasia of the vermis; Joubert syndrome; Orofaciodigital syndrome
KIF14	3	35	Congenital cystic kidney disease; Joubert syndrome; Meckel-gruber syndrome
LZTFL1	3	35	Bardet-biedl syndrome; Ciliopathy; LZTFL1-related ciliopathy
MKKS	3	35	Bardet-biedl syndrome; MKKS-related ciliopathy; Nephronophthisis
RPGRIP1	3	35	Bardet-biedl syndrome; Joubert syndrome; Meckel-gruber syndrome
SUFU	3	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome
TBC1D32	3	35	Ciliopathy; Joubert syndrome; Orofaciodigital syndrome
TCTN1	3	35	Aplasia of the vermis; Joubert syndrome; Meckel-gruber syndrome
TMEM17	3	35	Aplasia of the vermis; Meckel-gruber syndrome; Orofaciodigital syndrome

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TOGARAM1	3	35	Aplasia of the vermis; Ciliopathy; Joubert syndrome
TXNDC15	3	35	Ciliopathy; Congenital cystic kidney disease; Meckel-gruber syndrome
ADAMTS9	2	35	Ciliopathy; Nephronophthisis
AKT3	2	35	Bardet-biedl syndrome; Senior-loken syndrome
ALG6	2	35	ALG6-congenital disorder of glycosylation 1C; Cystic kidney disease
ANKS6	2	35	Cystic kidney disease; Nephronophthisis
ARL13B	2	35	Aplasia of the vermis; Joubert syndrome
ARL2BP	2	35	Ciliopathy; Retinitis pigmentosa with or without situs inversus
ARL3	2	35	Aplasia of the vermis; Joubert syndrome
ARL6	2	35	Bardet-biedl syndrome; Ciliopathy
ATP6V0A2	2	35	Aplasia of the vermis; Meckel-gruber syndrome
BBIP1	2	35	Bardet-biedl syndrome; ciliopathy
CEP83	2	35	Ciliopathy; Nephronophthisis
CFAP418	2	35	Bardet-biedl syndrome; Ciliopathy
CIBAR1	2	35	Ciliopathy; Polydactyly
DCDC2	2	35	Ciliopathy; Nephronophthisis
DDX59	2	35	ciliopathy; Orofaciodigital syndrome
GLI1	2	35	Bardet-biedl syndrome; Polydactyly
GLIS2	2	35	Nephronophthisis; nephronophthisis 7
IFT27	2	35	Bardet-biedl syndrome; Ciliopathy
IFT80	2	35	Cystic kidney disease; Polydactyly
INPP5E	2	35	Aplasia of the vermis; Joubert syndrome
INTU	2	35	Nephronophthisis; Orofaciodigital syndrome
MAPKBP1	2	35	Nephronophthisis; nephronophthisis 20
SLC30A7	2	35	Aplasia of the vermis; Joubert syndrome
SMAD6	2	35	Joubert syndrome; Polydactyly
TOPORS	2	35	Ciliopathy; Orofaciodigital syndrome
TRAF3IP1	2	35	Ciliopathy; Senior-loken syndrome
TTC8	2	35	Bardet-biedl syndrome; Polydactyly
USH2A	2	35	Aplasia of the vermis; Bardet-biedl syndrome