

GeDiPNet Cluster 6 -- 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: 500 · Generated: 2026-10-07 09:16:30

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Gene	Member Diseases Linked	Cluster Size	Linked Diseases
GRIN2B	9	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
SCN8A	9	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
EEF1A2	8	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
KCNQ2	8	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
SYNGA P1	8	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
MBD5	7	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
PURA	7	36	complex neurodevelopmental disorder; Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SCN2A	7	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ST3GAL 3	7	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
STXBP1	7	36	Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Nonsyndromic intellectual disability
CAMK2 B	6	36	Congenital neurologic anomalies; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
CASK	6	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
CTNNB 1	6	36	Congenital neurologic anomalies; Developmental disability; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
CYFIP2	6	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
DYRK1 A	6	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
FOXG1	6	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
GRIN1	6	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
GRIN2A	6	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
HNRNP U	6	36	1q44 microdeletion syndrome; complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
KCNQ3	6	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
MECP2	6	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
NALCN	6	36	Congenital neurologic anomalies; Developmental disability; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
NBEA	6	36	complex neurodevelopmental disorder; Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
NRXN1	6	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
POU3F3	6	36	complex neurodevelopmental disorder; Developmental disability; Intellectual developmental disorder; Intellectual developmental disorder dysmorphic; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PTEN	6	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
SETBP1	6	36	complex neurodevelopmental disorder; Congenital neurologic anomalies; Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TCF4	6	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Nonsyndromic intellectual disability
ZNF292	6	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
ADGRL1	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
AGO1	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ANKRD11	5	36	Congenital neurologic anomalies; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ARF3	5	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
ATP6V0A1	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ATRX	5	36	Congenital neurologic anomalies; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
BRSK2	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
CACNA1A	5	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
CACNG2	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
CAMK2A	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
CAMK2G	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
CC2D1A	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
CDKL5	5	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
CHAMP1	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
CHD2	5	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CHD8	5	36	complex neurodevelopmental disorder; Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CIC	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
CLTC	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
CNTNA P2	5	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
DEAF1	5	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
DOCK8	5	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
DYNC1 H1	5	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
EPB41L 1	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
FLNA	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
GABBR 2	5	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GABRB 2	5	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GRIA1	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
GRIA3	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
GRIK2	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
GRM7	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
HECW2	5	36	complex neurodevelopmental disorder; Congenital neurologic anomalies; Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
IQSEC2	5	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
JARID2	5	36	Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
KCNA2	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KCNB1	5	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KDM5B	5	36	Developmental disability; Intellectual developmental disorder; intellectual disability; Neurodevelopmental disorder; Nonsyndromic intellectual disability
KIRREL 3	5	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
KMT2E	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KMT5B	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
LINS1	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
MAPK8I P3	5	36	Developmental disability; Global developmental delay; Neurodevelopmental disorder; neurodevelopmental disorder with or without variable brain abnormalities; NEDBA; Non-specific syndromic intellectual disability
MBOAT 7	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
MED12L	5	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
MEF2C	5	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
NAA15	5	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
NCKAP1	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
NOVA2	5	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PIGA	5	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PNKP	5	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder
PPP2R5C	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PPP2R5D	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SCN1A	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
SETD5	5	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SHANK2	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SLC6A1	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
SMARCA5	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SMC1A	5	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
SNAP25	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
STAG1	5	36	complex neurodevelopmental disorder; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TAOK1	5	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
TBC1D24	5	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Nonsyndromic intellectual disability
TNRC6B	5	36	complex neurodevelopmental disorder; Developmental disability; Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TRIP12	5	36	Clark-baraitser syndrome; complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TRPM3	5	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
TUSC3	5	36	Congenital neurologic anomalies; Intellectual developmental disorder; intellectual disability; Neurodevelopmental disorder; Nonsyndromic intellectual disability
UBE3A	5	36	Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ACTL6B	4	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Non-specific syndromic intellectual disability
ADNP	4	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ANK2	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ANK3	4	36	Congenital neurologic anomalies; Intellectual developmental disorder; intellectual disability; Non-specific syndromic intellectual disability
AP1G1	4	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Usmani-riazuddin syndrome
AP2M1	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
AP4E1	4	36	Congenital neurologic anomalies; Developmental disability; Intellectual developmental disorder; Intellectual disability
AP4M1	4	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder; Intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
ARFGEF1	4	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ARHGEF9	4	36	Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder
ARID1B	4	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ASH1L	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
ATP1A3	4	36	Developmental and epileptic encephalopathy; Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
BCORL1	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
BRPF1	4	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
CACNA1D	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CACNA1I	4	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
CACNA2D2	4	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CDK20	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CHD5	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CLCN4	4	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
CNOT1	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CRBN	4	36	Congenital neurologic anomalies; Intellectual developmental disorder; intellectual disability; Nonsyndromic intellectual disability
CREBBP	4	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
CSNK2A1	4	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CUL3	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CUX1	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
DLG4	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
DNM1	4	36	Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Neurodevelopmental disorder
DNMT3A	4	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
EEF1B2	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
EMC10	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
FBXO11	4	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GABBR1	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
GABRB3	4	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
GABRD	4	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GNAI1	4	36	complex neurodevelopmental disorder; Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GNB1	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
GNB2	4	36	complex neurodevelopmental disorder; Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GPT2	4	36	glutamate pyruvate transaminase 2 deficiency; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
GRIN2D	4	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KCNN2	4	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
KDM4B	4	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KLHL20	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KMT2B	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KMT2C	4	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
LMAN2L	4	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
MED13	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
MED13L	4	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
MED27	4	36	Intellectual developmental disorder; Neurodevelopmental disorder; neurodevelopmental disorder with spasticity, cataracts, and cerebellar hypoplasia; Non-specific syndromic intellectual disability
MET	4	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
MSL3	4	36	basilicata-akhtar syndrome; Developmental disability; Global developmental delay; Intellectual developmental disorder
NIPBL	4	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
NR4A2	4	36	complex neurodevelopmental disorder; Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
NRXN2	4	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder
NTNG2	4	36	Congenital neurologic anomalies; Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
OTUD7A	4	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PHF21A	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PIGO	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
POLG	4	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder; Nonsyndromic intellectual disability
PPP3CA	4	36	Developmental and epileptic encephalopathy; Developmental disability; Intellectual developmental disorder; Nonsyndromic intellectual disability
PRICKLE2	4	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
PTPN11	4	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
RALA	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
RBFOX1	4	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
RFX3	4	36	complex neurodevelopmental disorder; Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
RFX7	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
RHOBTB2	4	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SATB2	4	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
SCAF4	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SCAMP5	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SETD1A	4	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SETD1B	4	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
SHANK1	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SHANK3	4	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
SLC2A1	4	36	Developmental and epileptic encephalopathy; Developmental disability; Global developmental delay; Intellectual developmental disorder
SLC4A10	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SMARCB1	4	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SOX6	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SP9	4	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SPTAN1	4	36	Developmental and epileptic encephalopathy; Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
TBCK	4	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
TBL1XR1	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TBR1	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TCF20	4	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability; Non-specific syndromic intellectual disability
TCF7L2	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TLK2	4	36	complex neurodevelopmental disorder; Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
TMEM147	4	36	Global developmental delay; Intellectual disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TMEM67	4	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder; Intellectual disability
TSC2	4	36	Congenital neurologic anomalies; Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
UBR7	4	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability; Non-specific syndromic intellectual disability
UFSP2	4	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Nonsyndromic intellectual disability
UPF1	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
USP9X	4	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
VCP	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
WASF1	4	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
WDR45	4	36	Developmental disability; Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
WVOX	4	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder
YWHAZ	4	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
YY1	4	36	complex neurodevelopmental disorder; Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder
ZBTB18	4	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ZMIZ1	4	36	complex neurodevelopmental disorder; Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ZMYND11	4	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
ACTB	3	36	Congenital neurologic anomalies; Intellectual developmental disorder; Neurodevelopmental disorder
ACTL6A	3	36	Global developmental delay; Intellectual developmental disorder; Non-specific syndromic intellectual disability
AGA	3	36	aspartylglucosaminuria; Intellectual developmental disorder; Neurodevelopmental disorder
AHDC1	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ALDH7A1	3	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Intellectual developmental disorder
ALG13	3	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder
AMPD2	3	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder
ANO4	3	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
AP4B1	3	36	Congenital neurologic anomalies; Intellectual developmental disorder; Intellectual disability
AP4S1	3	36	Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
ARHGEF6	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ARL14EP	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ARSA	3	36	Congenital neurologic anomalies; Intellectual developmental disorder; Neurodevelopmental disorder
ASXL1	3	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability
ASXL3	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ATP2B1	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ATP2B3	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
AUTS2	3	36	Developmental disability; Global developmental delay; Intellectual developmental disorder
BAZ2B	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
BICRA	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
BORCS5	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
BPTF	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
BRWD3	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CACNA1C	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CACNA1G	3	36	Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
CACNA2D1	3	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder
CAMK4	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CAPRIN1	3	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CAPZA2	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CDK13	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
CELF2	3	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CELF4	3	36	Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CEP104	3	36	Global developmental delay; Intellectual developmental disorder; Nonsyndromic intellectual disability
CEP290	3	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder
CERT1	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CFAP96	3	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Intellectual developmental disorder
CHD1	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CHD3	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
CHKA	3	36	Intellectual disability; Neurodevelopmental disorder; Nonsyndromic intellectual disability
CHRNA7	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CNKSR2	3	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder
CNOT3	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CNOT9	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CNTN2	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CNTN4	3	36	Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CRADD	3	36	Global developmental delay; Intellectual developmental disorder; Nonsyndromic intellectual disability
CSDE1	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CSNK2B	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
CTNND2	3	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
CYP2U1	3	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
DDX23	3	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder
DDX3X	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
DEPDC5	3	36	Developmental and epileptic encephalopathy; Developmental disability; Intellectual developmental disorder
DHX30	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
DLGAP1	3	36	Developmental disability; Global developmental delay; Neurodevelopmental disorder
DLGAP2	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
DMBX1	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
DOCK3	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
DPP6	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
DSCAML1	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
EBF3	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
EHMT1	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ENTPD1	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
EP300	3	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder
EPHA4	3	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
EXOC2	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
EXOC7	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
FAM177A1	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
FASN	3	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder
FOLR1	3	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder; Neurodevelopmental disorder
FOXP1	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
FOXP4	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GALC	3	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder
GIGYF1	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GNAO1	3	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy; Neurodevelopmental disorder
GPHN	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
GRIA4	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
H3-3A	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
H3-3B	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
H4C3	3	36	Global developmental delay; Intellectual developmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
HDAC4	3	36	Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
HDAC8	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
HERC2	3	36	Global developmental delay; Intellectual developmental disorder; Intellectual disability
HNRNP D	3	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder
HUWE1	3	36	Global developmental delay; Intellectual developmental disorder; Non-specific syndromic intellectual disability
IQSEC1	3	36	complex neurodevelopmental disorder; Developmental disability; Nonsyndromic intellectual disability
ITSN1	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
JMJD1C	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KAT6A	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
KAT6B	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
KCNC1	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
KCNQ5	3	36	Global developmental delay; Intellectual developmental disorder; Nonsyndromic intellectual disability
KCNT1	3	36	Developmental and epileptic encephalopathy; Developmental disability; Neurodevelopmental disorder
KDM5C	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
KDM6B	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
KIF11	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
KIF1A	3	36	Developmental disability; Intellectual developmental disorder; Nonsyndromic intellectual disability
KMT2D	3	36	Congenital neurologic anomalies; Intellectual developmental disorder; Neurodevelopmental disorder
KPTN	3	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Neurodevelopmental disorder
LAMC3	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
LETM1	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
LHX2	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
LSM1	3	36	Global developmental delay; Intellectual developmental disorder; Non-specific syndromic intellectual disability
MAGEL 2	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
MCPH1	3	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder
MED23	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
METTL2 3	3	36	Intellectual developmental disorder; intellectual disability; Nonsyndromic intellectual disability
MTOR	3	36	Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
MTSS2	3	36	Global developmental delay; Intellectual developmental disorder; Intellectual developmental disorder dysmorphic ocular
MYCBP 2	3	36	Global developmental delay; Intellectual developmental disorder; Non-specific syndromic intellectual disability
NAA10	3	36	Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
NDST1	3	36	Global developmental delay; Intellectual developmental disorder; Nonsyndromic intellectual disability
NFIX	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
NSD1	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
NTNG1	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
NUDT2	3	36	Intellectual developmental disorder; Intellectual developmental disorder peripheral neuropathy; Non-specific syndromic intellectual disability
P2RY12	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
PACS1	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
PAX6	3	36	Congenital neurologic anomalies; Developmental disability; Intellectual developmental disorder
PCDH19	3	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder
PGAP1	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
PHF6	3	36	Developmental disability; Global developmental delay; Intellectual developmental disorder
PLXNA1	3	36	Dworschak-punetha neurodevelopmental syndrome; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PNPT1	3	36	Global developmental delay; Neurodevelopmental disorder; Nonsyndromic intellectual disability
POGZ	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
PPP2CA	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PPP2R1A	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PPT1	3	36	Congenital neurologic anomalies; Intellectual developmental disorder; Neurodevelopmental disorder
PRPF8	3	36	Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PRRT2	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
PSMC3	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PSMD12	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
PTCHD1	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
PTPN23	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
RAB11A	3	36	Intellectual disability; Neurodevelopmental disorder; Nonsyndromic intellectual disability
RAB39B	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
RAC1	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
RAC3	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
RAI1	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
RALGAPB	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
RALGDS	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
RELN	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
RHEB	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
RORB	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
RSRC1	3	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Nonsyndromic intellectual disability
RSRC2	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SARS1	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Nonsyndromic intellectual disability
SATB1	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SET	3	36	Intellectual developmental disorder; intellectual disability; Nonsyndromic intellectual disability
SHROOM4	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SIAH1	3	36	Buratti-harel syndrome; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SLC6A8	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
SLC7A5	3	36	complex neurodevelopmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SLC9A6	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
SLITRK3	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SMARCA2	3	36	Developmental disability; Intellectual developmental disorder; Neurodevelopmental disorder
SMARCA4	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
SMG9	3	36	Brainstem dysplasia; Global developmental delay; Neurodevelopmental disorder
SNF8	3	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SNX14	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
SOX4	3	36	Intellectual developmental disorder; Intellectual disability; Neurodevelopmental disorder
SPOUT1	3	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SPTBN1	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SRCAP	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SRD5A3	3	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder
STX1A	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SVBP	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
SZT2	3	36	Developmental and epileptic encephalopathy; Global developmental delay; Intellectual developmental disorder
TAF4	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TANC2	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
TECR	3	36	Intellectual developmental disorder; intellectual disability; Nonsyndromic intellectual disability
TFE3	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TMEM63B	3	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TMPRSS9	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
TPO	3	36	Global developmental delay; Intellectual disability; Neurodevelopmental disorder
TRAPPC4	3	36	Neurodevelopmental disorder; neurodevelopmental disorder with epilepsy, spasticity, and brain atrophy; Non-specific syndromic intellectual disability
TRAPPC9	3	36	Congenital neurologic anomalies; Intellectual developmental disorder; Nonsyndromic intellectual disability
TRMT1	3	36	complex neurodevelopmental disorder; Intellectual developmental disorder; Non-specific syndromic intellectual disability
TSEN54	3	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder
TUBA1A	3	36	Congenital neurologic anomalies; Global developmental delay; Neurodevelopmental disorder
TUBA3E	3	36	Global developmental delay; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
UNC80	3	36	Global developmental delay; hypotonia, infantile, with psychomotor retardation and characteristic facies 2; Intellectual developmental disorder
USP8	3	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
VPS13B	3	36	Congenital neurologic anomalies; Global developmental delay; Intellectual developmental disorder
WDFY3	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
WDFY4	3	36	Developmental disability; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ZC3H14	3	36	Intellectual developmental disorder; intellectual disability; Nonsyndromic intellectual disability
ZEB2	3	36	Congenital neurologic anomalies; Intellectual developmental disorder; Neurodevelopmental disorder
ZFHX3	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ZFTRAF1	3	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability; Nonsyndromic intellectual disability
ZMYM2	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ZMYM3	3	36	Global developmental delay; Intellectual developmental disorder; Neurodevelopmental disorder
ZNF142	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ZNF407	3	36	Intellectual developmental disorder; Neurodevelopmental disorder; Non-specific syndromic intellectual disability
AAAS	2	36	Congenital neurologic anomalies; Neurodevelopmental disorder
ABCD1	2	36	Congenital neurologic anomalies; Intellectual developmental disorder
ACBD6	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
ACSL4	2	36	Global developmental delay; Intellectual developmental disorder
ADGRG1	2	36	Congenital neurologic anomalies; Global developmental delay

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
ADRA2B	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
AFG2B	2	36	Global developmental delay; Neurodevelopmental disorder
AGO2	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
AGTPBP1	2	36	Global developmental delay; Neurodevelopmental disorder
AHI1	2	36	Global developmental delay; Intellectual developmental disorder
ALDH18A1	2	36	Congenital neurologic anomalies; Intellectual developmental disorder
ALDH1B1	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ALDH1L2	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ALDOB	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ALKBH8	2	36	Intellectual developmental disorder; Nonsyndromic intellectual disability
ANKRD17	2	36	Intellectual developmental disorder; Non-specific syndromic intellectual disability
ANKS1B	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
AP2S1	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
AP3B2	2	36	Developmental and epileptic encephalopathy; Global developmental delay
ARFGEF2	2	36	Global developmental delay; Intellectual developmental disorder
ARHGA P33	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ARHGA P35	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ARID1A	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
ARV1	2	36	Congenital neurologic anomalies; Developmental and epileptic encephalopathy
ARX	2	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder
ASCC3	2	36	Intellectual developmental disorder; Nonsyndromic intellectual disability
ASCL1	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
ASH2L	2	36	Global developmental delay; Intellectual developmental disorder
ASPM	2	36	Congenital neurologic anomalies; Intellectual developmental disorder
ASXL2	2	36	Developmental disability; Neurodevelopmental disorder
ATG4D	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ATP11A	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ATP1A1	2	36	Intellectual developmental disorder; Neurodevelopmental disorder

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
ATP2B2	2	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder
ATP6V1A	2	36	Developmental and epileptic encephalopathy; Developmental disability
ATP6V1B2	2	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder
ATP7B	2	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder
ATP9A	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
ATXN7L3	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
B3GALNT2	2	36	Intellectual developmental disorder; Nonsyndromic intellectual disability
B3GAT3	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
BAP1	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
BCL11A	2	36	Global developmental delay; Intellectual developmental disorder
BCS1L	2	36	Intellectual developmental disorder; Intellectual disability
BFSP2	2	36	Global developmental delay; Intellectual developmental disorder
BLOC1S1	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
BRAF	2	36	Global developmental delay; Intellectual developmental disorder
BRAT1	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
BRD4	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
BRF1	2	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder
BTD	2	36	Global developmental delay; Intellectual developmental disorder
C12ORF57	2	36	Global developmental delay; Intellectual developmental disorder
C19ORF12	2	36	Global developmental delay; Intellectual developmental disorder
CACNA1B	2	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder
CACNA1E	2	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder
CAD	2	36	Developmental and epileptic encephalopathy; Intellectual developmental disorder
CAMK2D	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CAMTA1	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
CAPN10	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
CASP2	2	36	Intellectual developmental disorder; Nonsyndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CASR	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
CBL	2	36	Developmental disability; Neurodevelopmental disorder
CC2D2 A	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
CCNA2	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
CCT4	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CCT5	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CCT6A	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CCT7	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CCT8	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CDC42 BPB	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CDH15	2	36	Intellectual developmental disorder; Nonsyndromic intellectual disability
CDK10	2	36	Al kaissi syndrome; Global developmental delay
CDK19	2	36	Developmental and epileptic encephalopathy; Neurodevelopmental disorder
CDK8	2	36	Intellectual developmental disorder; Non-specific syndromic intellectual disability
CELSR2	2	36	Global developmental delay; Intellectual developmental disorder
CELSR3	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CEP55	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CEP97	2	36	Global developmental delay; Intellectual developmental disorder
CHAF1 B	2	36	Global developmental delay; Intellectual developmental disorder
CHD4	2	36	Developmental disability; Global developmental delay
CHD7	2	36	Developmental disability; Neurodevelopmental disorder
CHL1	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
CHRNA 4	2	36	Developmental and epileptic encephalopathy; Developmental disability
CIZ1	2	36	Developmental and epileptic encephalopathy; Global developmental delay
CLCN3	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CLCN6	2	36	Global developmental delay; Neurodevelopmental disorder
CLIP1	2	36	Intellectual developmental disorder; Nonsyndromic intellectual disability
CLN6	2	36	Congenital neurologic anomalies; Neurodevelopmental disorder
CNKSR 1	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
CNTN6	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CNTNAP5	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
COL12A1	2	36	Global developmental delay; Neurodevelopmental disorder
COQ5	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
COQ8A	2	36	Congenital neurologic anomalies; Global developmental delay
CPA6	2	36	Global developmental delay; Intellectual developmental disorder
CPNE6	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CPSF3	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CRELD1	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CSMD1	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CSMD3	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CSNK1G1	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CSTB	2	36	Developmental and epileptic encephalopathy; Intellectual disability
CTCF	2	36	Intellectual developmental disorder; Neurodevelopmental disorder
CTR9	2	36	Neurodevelopmental disorder; Non-specific syndromic intellectual disability
CTSF	2	36	Developmental disability; Neurodevelopmental disorder
CUL4B	2	36	Global developmental delay; Intellectual developmental disorder
DCPS	2	36	Al-raquad syndrome; Nonsyndromic intellectual disability
DCX	2	36	Congenital neurologic anomalies; Neurodevelopmental disorder