

GeDiPNet Cluster 31 -- 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: 172 · Generated: 2026-10-07 17:35:36

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
MYO7A	11	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Retinitis pigmentosa-deafness syndrome; Usher syndrome; Usher syndrome type 1
CDH23	10	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Retinitis pigmentosa-deafness syndrome; Usher syndrome
PCDH15	10	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Retinitis pigmentosa-deafness syndrome; Usher syndrome
USH1C	9	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Usher syndrome; Usher syndrome type 1
MYO6	8	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TECTA	8	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
WHRN	8	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Retinitis pigmentosa-deafness syndrome; Usher syndrome
COCH	7	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Usher syndrome
COL11A2	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
ESPN	7	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Usher syndrome
GJB2	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
LHFPL5	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
MARVELD2	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
MYH14	7	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
MYO15A	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
OTOA	7	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Usher syndrome
OTOF	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
PJKV	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TMC1	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TMIE	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TMPRSS3	7	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
WFS1	7	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
ACTG1	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
C10ORF105	6	18	Congenital ear anomaly; Deafness; Hearing loss; Meniere disease; Retinitis pigmentosa-deafness syndrome; Usher syndrome
CDC14A	6	18	Congenital ear anomaly; Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
CEACAM16	6	18	Congenital ear anomaly; Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CIB2	6	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Usher syndrome
CLDN14	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
COL11A1	6	18	autosomal dominant nonsyndromic hearing loss; Deafness; Hearing loss; Isolated sensorineural deafness; Meniere disease; Nonsyndromic hearing loss
ESRRB	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
EYA4	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
GRHL2	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
GSDME	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
HGF	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
KCNQ4	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
LOXHD1	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
LRTOMT	6	18	autosomal recessive nonsyndromic hearing loss 63; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
MYH9	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; Nonsyndromic hearing loss
MYO3A	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
OTOG	6	18	Deafness; Hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
OTOGL	6	18	Deafness; Hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
POU4F3	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
RDX	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
RIPOR2	6	18	autosomal dominant nonsyndromic hearing loss; Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
SERPINB6	6	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss; Usher syndrome
SLC26A4	6	18	Congenital ear anomaly; Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
STRC	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TNC	6	18	Deafness; Hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TPRN	6	18	Congenital ear anomaly; Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TRIOBP	6	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Meniere disease; Nonsyndromic hearing loss
ABCC1	5	18	autosomal dominant nonsyndromic hearing loss; Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
ADCY1	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
ADGRV1	5	18	Congenital ear anomaly; Deafness; Hearing loss; Meniere disease; Usher syndrome
ATP11A	5	18	autosomal dominant nonsyndromic hearing loss; Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
ATP2B2	5	18	autosomal dominant nonsyndromic hearing loss; Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
CABP2	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
CCDC50	5	18	Deafness; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
CLRN2	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
DCDC2	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
DIABLO	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
DMXL2	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
ELMOD3	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
EPS8	5	18	autosomal recessive nonsyndromic hearing loss 102; Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
EPS8L2	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; Meniere disease; nonsyndromic genetic hearing loss
GIPC3	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
GJB3	5	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
GJB6	5	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
GRXCR1	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
GRXCR2	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
ILDR1	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
KARS1	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
LMX1A	5	18	autosomal dominant nonsyndromic hearing loss; Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
MET	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
MINAR2	5	18	Deafness; Hearing loss; hearing loss, autosomal recessive 120; Isolated sensorineural deafness; Nonsyndromic hearing loss
MSRB3	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
PDE1C	5	18	autosomal dominant nonsyndromic hearing loss; Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
PLS1	5	18	autosomal dominant nonsyndromic hearing loss; Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
PTPRQ	5	18	Congenital ear anomaly; Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
S1PR2	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
SIX1	5	18	Deafness; Hearing loss; Hereditary hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
SLC17A8	5	18	Deafness; Hereditary hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
SLC26A5	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
SLC44A4	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
SYNE4	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TBC1D24	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TBCEL-TECTA	5	18	Congenital ear anomaly; Deafness; Hearing loss; Meniere disease; Nonsyndromic hearing loss
TJP2	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
TMTC4	5	18	Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss; Worster drought syndrome
USH2A	5	18	Congenital ear anomaly; Deafness; Hearing loss; Retinitis pigmentosa-deafness syndrome; Usher syndrome
AFG2B	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
BDP1	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss
CD164	4	18	autosomal dominant nonsyndromic hearing loss; Deafness; Isolated sensorineural deafness; Nonsyndromic hearing loss

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
CLIC5	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
CRYM	4	18	Deafness; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
DIAPH1	4	18	Deafness; Hearing loss; Hereditary hearing loss; Nonsyndromic hearing loss
FOXI1	4	18	Deafness; Hearing loss; Hereditary hearing loss; Nonsyndromic hearing loss
GPR156	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
GRAP	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss
HOMER2	4	18	Deafness; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
KITLG	4	18	Deafness; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
MCM2	4	18	Deafness; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
MITF	4	18	Congenital ear anomaly; Deafness; Hearing loss; Isolated sensorineural deafness
MPZL2	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss
MYO1A	4	18	Deafness; Hearing loss; Hereditary hearing loss; Nonsyndromic hearing loss
NARS2	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss
OSBPL2	4	18	Deafness; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
P2RX2	4	18	Deafness; Isolated sensorineural deafness; nonsyndromic genetic hearing loss; Nonsyndromic hearing loss
PDZD7	4	18	Congenital ear anomaly; Deafness; Hearing loss; Usher syndrome
PNPT1	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
ROR1	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; nonsyndromic genetic hearing loss
STX4	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
TRRAP	4	18	Deafness; Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
USH1G	4	18	Deafness; Hearing loss; Retinitis pigmentosa-deafness syndrome; Usher syndrome
BSND	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
CACNA1D	3	18	Deafness; Hearing loss; Meniere disease
CLRN1	3	18	Hearing loss; Retinitis pigmentosa-deafness syndrome; Usher syndrome
COL4A4	3	18	Hearing loss; Meniere disease; Usher syndrome
DIAPH3	3	18	Hearing loss; Isolated sensorineural deafness; Nonsyndromic hearing loss
ESRP1	3	18	Deafness; Hearing loss; nonsyndromic genetic hearing loss
GPSM2	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
GREB1L	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
MAP1B	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
MYO1C	3	18	Isolated sensorineural deafness; Meniere disease; Nonsyndromic hearing loss
PAX3	3	18	Deafness; Hearing loss; Usher syndrome
PKHD1L1	3	18	Deafness; Isolated sensorineural deafness; Nonsyndromic hearing loss

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
POU3F4	3	18	Congenital ear anomaly; Hereditary hearing loss; nonsyndromic genetic hearing loss
PPIP5K2	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
PSAP	3	18	Deafness; Retinitis pigmentosa-deafness syndrome; Usher syndrome
SLITRK6	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
SMPX	3	18	Hearing loss; Hereditary hearing loss; nonsyndromic genetic hearing loss
SPNS2	3	18	Deafness; Hearing loss; hearing loss, autosomal recessive 115
THOC1	3	18	Deafness; Hearing loss; Nonsyndromic hearing loss
TMEM132E	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
TSPEAR	3	18	Deafness; Hearing loss; Nonsyndromic hearing loss
USP48	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
WBP2	3	18	Deafness; Hearing loss; Isolated sensorineural deafness
ACAN	2	18	Hearing loss; Meniere disease
AIFM1	2	18	Congenital ear anomaly; Hearing loss
ANKRD24	2	18	Hearing loss; Nonsyndromic hearing loss
ARHGEF28	2	18	Hearing loss; Meniere disease
ATOH1	2	18	Deafness; Hearing loss
ATP6V1B1	2	18	Hearing loss; Usher syndrome
B3GNT4	2	18	Deafness; Hearing loss
CEP78	2	18	Hearing loss; Usher syndrome
CLCC1	2	18	Deafness; Hearing loss
CLCNKA	2	18	Deafness; Hearing loss
CLDN9	2	18	Deafness; Hearing loss
COL9A3	2	18	Hearing loss; Nonsyndromic hearing loss
CRYL1	2	18	Deafness; Hearing loss
EDNRB	2	18	Deafness; Hearing loss
EPHA10	2	18	Deafness; Hearing loss
FSCN2	2	18	Hearing loss; Meniere disease
FTO	2	18	Hearing loss; Meniere disease
GAB1	2	18	Deafness; Nonsyndromic hearing loss
GAS2	2	18	Deafness; Hearing loss
HARS1	2	18	Retinitis pigmentosa-deafness syndrome; Usher syndrome
HARS2	2	18	Hearing loss; Usher syndrome
HLA-B	2	18	Hearing loss; Meniere disease

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
HLA-DRB1	2	18	Hearing loss; Meniere disease
KCNJ10	2	18	Deafness; Nonsyndromic hearing loss
KCNQ1	2	18	Congenital ear anomaly; Hearing loss
MACF1	2	18	Isolated sensorineural deafness; Nonsyndromic hearing loss
MANBA	2	18	Hearing loss; Meniere disease
PDE6A	2	18	PDE6A-related retinopathy; Usher syndrome
PI4KB	2	18	Deafness; Hearing loss
RAB33A	2	18	Congenital ear anomaly; Hearing loss
REST	2	18	Deafness; Nonsyndromic hearing loss
SCD5	2	18	Deafness; Hearing loss
SLC12A2	2	18	Deafness; Hearing loss
SLC19A2	2	18	Congenital ear anomaly; Hearing loss
SYNJ2	2	18	Hearing loss; Meniere disease
TOMT	2	18	Deafness; Hearing loss