

**HNO**

**Alport-Syndrom [GP062] (~25 kb)**

1. COL4A5, 2. COL4A3, COL4A4, COL4A6, MYH9

**Hypogonadismus / Kallmann-Syndrom [GP098]**

AXL, CHD7, FEZF1, FGFR1, FGF8, FGF17, HS6ST1, IL17RD, KAL1, HESX1, NSMF, PROK2, PROKR2, SEMA3A, SOX10, WDR11

**umfassende Diagnostik [GP098XL]**

CHD7, DMP1, DUSP6, FEZF1, FGF17, FGF23, FGF8, FGFR1, FLRT3, GNRH1, GNRHR, HS6ST1, IL17RD, KAL1, KISS1R, NELF, NSMF, PHEX, PROK2, PROKR2, SEMA3A, SPRY4, TAC3, TACR3, WDR11

**Refsum-Syndrom [GP010] (~7 kb)**

PEX1, PEX2, PEX26, PEX7, PHYH

**Schwerhörigkeit, nicht-syndromal [GP064] (~25 kb)**

GJB2, GJB6, MYO7A, POU3F4, SLC26A4, USH2A

**umfassende Diagnostik [GP064XL]**

ACTG1, CCDC50, CDH23, CEACAM16, CIB2, CLDN14, COCH, COL11A2, COL4A6, CRYM, DFNA5, DFNB31, DFNB59, DIABLO, DIAPH1, DIAPH3, DSPP, ESPN, ESRRB, EYA4, GIPC3, GJB2, GJB3, GJB6, GPSM2, GRHL2, GRXCR1, HGF, ILDR1, KARS, KCNQ4, LHFPL5, LOXHD1, LRTOMT, MARVELD2, MIR96, MSRB3, MYH14, MYH9, MYO15A, MYO1A, MYO3A, MYO6, MYO7A, OTOA, OTOF, PCDH15, POU3F4, POU4F3, PRPS1, PTPRQ, RDX, SERPINB6, SLC17A8, SLC26A4, SLC26A5, SMPX, STRC, TECTA, TJP2, TMC1, TMIE, TMPRSS3, TNC, TPRN, TRIOBP, USH1C, USH2A, WFS1

**Schwerhörigkeit, syndromal [GP065XL]**

ABHD12, ALMS1, ANKH, ATP6V1B1, BSND, CACNA1D, CD151, CDH23, CDKN1C, CHD7, CHSY1, CIB2, CLDN14, CLRN1, COL11A1, COL11A2, COL2A1, COL4A3, COL4A4, COL4A5, COL4A6, COL9A1, COL9A2, COL9A3, DFNB31, DFNB59, DLX5, EDN3, EDNRB, ESPN, ESRRB, EYA1, FGF3, FOXI1, GATA3, GIPC3, GJB2, GJB3, GJB6, GPR98, GPSM2, GRXCR1, HGF, ILDR1, KCNE1, KCNJ10, KCNQ1, LHFPL5, LOXHD1, LRTOMT, MANBA, MARVELD2, MITF, MSRB3, MYO15A, MYO3A, MYO6, MYO7A, NDP, NLRP3, OTOA, OTOF, PAX3, PCDH15, PDZD7, POLR1C, POLR1D, POU3F4, RDX, SEMA3E, SIX1, SIX5, SLC12A1, SLC19A2, SLC26A4, SLC26A5, SMPX, SNAI2, SOX10, STRC, TCOF1, TECTA, TFAP2A, TIMM8A, TMC1, TMIE, TMPRSS3, TPRN, TRIOBP, TYR, USH1C, USH1G, USH2A, WFS1

**Stickler-Syndrom [GP013] (~22 kb)**

COL11A1, COL2A1, COL9A2, COL9A3, COL11A2, COL9A1

**USHER-Syndrom [GP091] (~24 kb)**

1. USH2A, 2. MYO7A, USH1C

**umfassende Diagnostik [GP091XL]**

CDH23, CIB2, CLRN1, DFNB31, HARS, MYO7A, PCDH15, PDZD7, USH1C, USH1G, USH2A