

Diagnostic Yield of Targeted Hearing Loss Gene Panel Sequencing
in a Large German Cohort with a Balanced Age Distribution
from a Single Diagnostic Center: An Eight-Year Study

Supplemental Digital Content 2.

Transcripts Used for Targeted Gene Panel Design over the study period (2011-2018).

Gene	Transcript ID
<i>ABHD12</i>	NM_001042472.2, NM_015600.4
<i>ACTG1</i>	NM_001199954.2, NM_001614.4
<i>ACYP2</i>	NM_001320586.2, NM_138448.3, NM_138448.4
<i>ADCY1</i>	NM_001281768.1, NM_021116.3
<i>ADGRV1</i>	NM_032119.3
<i>AIFM1</i>	NM_001130846.3, NM_004208.3, NM_145812.2
<i>ALMS1</i>	NM_015120.4
<i>ANKH</i>	NM_054027.5
<i>ATOH1</i>	NM_005172.1
<i>ATP2B2</i>	NM_001001331.3, NM_001330611.2, NM_001683.4
<i>ATP6V1B1</i>	NM_001692.3
<i>BCAP31</i>	NM_001139441.1, NM_001139457.2, NM_001256447.1, NM_005745.7
<i>BCS1L</i>	NM_001079866.1, NM_001257342.1, NM_001257343.1, NM_001257344.1, NM_001320717.1, NM_004328.4
<i>BDP1</i>	NM_018429.2
<i>BSND</i>	NM_057176.2
<i>CABP2</i>	NM_016366.2
<i>CACNA1D</i>	NM_000720.3, NM_001128839.2, NM_001128840.2
<i>CATSPER2</i>	NM_001282309.2, NM_001282310.2, NM_172095.3
<i>CCDC50</i>	NM_174908.3, NM_178335.2
<i>CD151</i>	NM_001039490.1, NM_004357.4, NM_139029.1, NM_139030.3
<i>CD164</i>	NM_001142401.2, NM_001142402.2, NM_001142403.2, NM_001142404.2, NM_001346500.1, NM_006016.5

<i>CDC14A</i>	NM_001319210.1, NM_001319211.1, NM_003672.3, NM_033312.2, NM_033313.2
<i>CDH23</i>	NM_001171930.1, NM_001171931.1, NM_001171933.1, NM_001171934.1, NM_001171935.1, NM_022124.5, NM_052836.3
<i>CDKN1C</i>	NM_000076.2, NM_001122630.1, NM_001122631.1
<i>CEACAM16</i>	NM_001039213.3
<i>CELSR1</i>	NM_014246.1
<i>CHD7</i>	NM_001316690.1, NM_017780.3
<i>CHSY1</i>	NM_014918.4
<i>CIB2</i>	NM_001271888.1, NM_001271889.1, NM_006383.3
<i>CISD2</i>	NM_001008388.4
<i>CLDN14</i>	NM_001146077.1, NM_001146078.2, NM_001146079.1, NM_012130.3, NM_144492.2
<i>CLDN9</i>	NM_020982.3
<i>CLIC5</i>	NM_001114086.1, NM_001256023.1, NM_016929.4
<i>CLPP</i>	NM_006012.2
<i>CLRN1</i>	NM_001195794.1, NM_052995.2, NM_174878.2
<i>CLRN3</i>	NM_152311.4
<i>COCH</i>	NM_001135058.1, NM_001347720.1, NM_004086.2
<i>COL11A1</i>	NM_001190709.1, NM_001854.3, NM_080629.2, NM_080630.3
<i>COL11A2</i>	NM_001163771.1, NM_080680.2, NM_080681.2
<i>COL2A1</i>	NM_001844.4, NM_033150.2
<i>COL4A3</i>	NM_000091.4
<i>COL4A4</i>	NM_000092.4
<i>COL4A5</i>	NM_000495.4, NM_033380.2
<i>COL4A6</i>	NM_001287758.1, NM_001287759.1, NM_001287760.1, NM_001847.3, NM_033641.3
<i>COL9A1</i>	NM_001851.4, NM_078485.3
<i>COL9A2</i>	NM_001852.3
<i>COL9A3</i>	NM_001853.3
<i>CRYM</i>	NM_001888.4

DCDC2 NM_001195610.1, NM_016356.4
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DIAPH1 NM_001079812.2, NM_001314007.1, NM_005219.4
DIAPH3 NM_001042517.1, NM_001258366.1, NM_001258367.1, NM_001258368.1, NM_001258369.1,
NM_001258370.1, NM_030932.3
DLX5 NM_005221.5
DMXL2 NM_001174116.1, NM_001174116.2, NM_001174117.1, NM_001174117.2, NM_015263.3, NM_015263.4
DNMT1 NM_001130823.2, NM_001379.3
DSPP NM_014208.3
DUOX2 NM_001363711.2, NM_014080.4
DZANK1 NM_001099407.1
EDN3 NM_001302456.1, NM_207032.2, NM_207033.2, NM_207034.2
EDNRB NM_000115.4, NM_001122659.2, NM_001201397.1, NM_003991.3
ELMOD3 NM_001135021.1, NM_001135021.2, NM_001135022.1, NM_001135022.2, NM_001135023.1,
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EPS8 NM_004447.5
EPS8L2 NM_022772.3
ESPN NM_031475.2
ESR1 NM_000125.3, NM_001122740.1, NM_001122741.1, NM_001122742.1, NM_001328100.1
ESR2 NM_001040275.1, NM_001214902.1, NM_001271876.1, NM_001271877.1, NM_001291712.1,
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EYA4 NM_001301012.1, NM_001301013.1, NM_004100.4, NM_172103.3, NM_172105.3
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FGF3 NM_005247.2

<i>FOXI1</i>	NM_012188.4, NM_144769.2
<i>GATA3</i>	NM_001002295.1, NM_002051.2
<i>GIPC1</i>	NM_005716.3, NM_202468.2, NM_202469.2, NM_202470.2, NM_202494.2
<i>GIPC3</i>	NM_133261.2
<i>GJA1</i>	NM_000165.4, NM_000165.5
<i>GJB2</i>	NM_004004.5
<i>GJB3</i>	NM_001005752.1, NM_024009.2
<i>GJB4</i>	NM_153212.2
<i>GJB6</i>	NM_001110219.2, NM_001110220.2, NM_001110221.2, NM_006783.4
<i>GPRASP2</i>	NM_001004051.3, NM_001184874.2, NM_001184875.2, NM_001184876.2, NM_001199818.1, NM_138437.5
<i>GPSM2</i>	NM_001321038.1, NM_001321039.1, NM_013296.4
<i>GRHL2</i>	NM_001330593.1, NM_024915.3
<i>GRXCR1</i>	NM_001080476.2
<i>GRXCR2</i>	NM_001080516.1
<i>GSDME</i>	NM_001127453.1, NM_001127454.1, NM_004403.2
<i>HARS1</i>	NM_001258040.2, NM_001258041.2, NM_001258042.2, NM_001289092.1, NM_001289093.1, NM_002109.5
<i>HARS2</i>	NM_001278731.1, NM_012208.3
<i>HGF</i>	NM_000601.5, NM_001010931.2, NM_001010932.2, NM_001010933.2, NM_001010934.2
<i>HOMER2</i>	NM_004839.3, NM_004839.4, NM_199330.2, NM_199330.3
<i>HOXA2</i>	NM_006735.3, NM_006735.4
<i>HOXB1</i>	NM_002144.3
<i>HSD17B4</i>	NM_000414.3, NM_001199291.2, NM_001199292.1, NM_001292027.1, NM_001292028.1
<i>ILDR1</i>	NM_001199799.1, NM_001199800.1, NM_175924.3
<i>ISL1</i>	NM_002202.2
<i>KARS1</i>	NM_001130089.1, NM_005548.2
<i>KCNA10</i>	NM_005549.2
<i>KCNE1</i>	NM_000219.5, NM_001127668.3, NM_001127669.3, NM_001127670.3, NM_001270402.2, NM_001270403.2, NM_001270404.2, NM_001270405.2

<i>KCNJ10</i>	NM_002241.4
<i>KCNQ1</i>	NM_000218.2
<i>KCNQ4</i>	NM_004700.3
<i>KITLG</i>	NM_000899.4, NM_003994.5
<i>LARS2</i>	NM_015340.3
<i>LHFPL5</i>	NM_182548.3
<i>LOXHD1</i>	NM_001145472.2, NM_001145473.2, NM_001173129.1, NM_001308013.1, NM_144612.6
<i>LRIG1</i>	NM_015541.2
<i>LRTOMT</i>	NM_001145307.4, NM_001145308.4, NM_001145310.3, NM_001205138.3, NM_001271471.2, NM_001318803.1, NM_145309.5
<i>MACF1</i>	NM_012090.5
<i>MANBA</i>	NM_005908.3
<i>MARVELD2</i>	NM_001038603.2, NM_001244734.1
<i>MCM2</i>	NM_004526.3, NM_004526.4
<i>MCPH1</i>	NM_001172574.1, NM_001172575.1, NM_024596.4
<i>MET</i>	NM_000245.2, NM_000245.4, NM_001127500.1, NM_001127500.3
<i>MIR96</i>	NR_029512.1
<i>MITF</i>	NM_000248.3, NM_001184967.1, NM_001184968.1, NM_006722.2, NM_198158.2, NM_198159.2, NM_198177.2, NM_198178.2
<i>MPP1</i>	NM_001166461.1, NM_001166462.1, NM_002436.3
<i>MSRB3</i>	NM_001031679.2, NM_001193460.1, NM_001193461.1, NM_198080.3
<i>MYH7B</i>	NM_020884.4, NM_020884.5
<i>MYH14</i>	NM_001077186.1, NM_001145809.1, NM_024729.3
<i>MYH9</i>	NM_002473.5
<i>MYO15A</i>	NM_016239.3
<i>MYO1A</i>	NM_001256041.1, NM_005379.3
<i>MYO3A</i>	NM_017433.4
<i>MYO3B</i>	NM_001083615.3, NM_138995.4

<i>MYO6</i>	NM_001300899.1, NM_004999.3
<i>MYO7A</i>	NM_000260.3, NM_001127180.1
<i>NARS2</i>	NM_001243251.1, NM_024678.5
<i>NDP</i>	NM_000266.3
<i>NINL</i>	NM_001318226.1, NM_025176.5
<i>NLRP3</i>	NM_001079821.2, NM_001127461.2, NM_001127462.2, NM_004895.4, NM_183395.2
<i>NPTN</i>	NM_001161363.1, NM_001161364.1, NM_012428.3, NM_017455.3
<i>NRP2</i>	NM_003872.2, NM_018534.3, NM_201264.1, NM_201266.1, NM_201267.1, NM_201279.1
<i>OSBPL2</i>	NM_001278649.1, NM_014835.3, NM_144498.2
<i>OTOA</i>	NM_001161683.1, NM_144672.3, NM_170664.2
<i>OTOF</i>	NM_001287489.1, NM_004802.3, NM_194248.2, NM_194322.2, NM_194323.2
<i>OTOG</i>	NM_001277269.1, NM_001292063.1
<i>OTOGL</i>	NM_173591.3
<i>OTOL1</i>	NM_001080440.1
<i>P2RX2</i>	NM_001282164.1, NM_001282165.1, NM_012226.4, NM_016318.3, NM_170682.3, NM_170683.3, NM_174872.2, NM_174873.2
<i>PAX3</i>	NM_000438.5, NM_001127366.2, NM_013942.4, NM_181457.3, NM_181458.3, NM_181459.3, NM_181460.3, NM_181461.3
<i>PCDH15</i>	NM_001142763.1, NM_001142764.1, NM_001142765.1, NM_001142766.1, NM_001142769.2, NM_001142770.2, NM_001142771.1, NM_001142772.1, NM_001142773.1, NM_033056.3
<i>PDXDC1</i>	NM_001285444.1, NM_001285444.2, NM_001285445.1, NM_001285445.2, NM_001285448.1, NM_001285449.1, NM_001285450.2, NM_015027.3, NM_015027.4
<i>PDZD7</i>	NM_001195263.1, NM_024895.4
<i>PEX1</i>	NM_000466.2, NM_001282677.1
<i>PEX6</i>	NM_000287.3
<i>PGR</i>	NM_000926.4, NM_001271162.1
<i>PHF20</i>	NM_016436.4
<i>PJVK</i>	NM_001042702.4
<i>PNPT1</i>	NM_033109.4

<i>POLR1C</i>	NM_001318876.1, NM_203290.3
<i>POLR1D</i>	NM_001206559.1, NM_015972.3, NM_152705.2
<i>POU3F4</i>	NM_000307.4
<i>POU4F3</i>	NM_002700.2
<i>PRPS1</i>	NM_001204402.1, NM_002764.3
<i>PTPRQ</i>	NM_001145026.1
<i>RDX</i>	NM_001260492.1, NM_001260493.1, NM_001260494.1, NM_001260495.1, NM_001260496.1, NM_002906.3
<i>RIPOR2</i>	NM_001286445.2, NM_001286446.2, NM_001286447.1, NM_001346031.1, NM_001346032.1, NM_014722.4, NM_015864.3
<i>S1PR2</i>	NM_004230.3
<i>SALL1</i>	NM_001127892.1, NM_002968.2
<i>SCARB2</i>	NM_001204255.1, NM_001204255.2, NM_005506.3, NM_005506.4
<i>SEMA3E</i>	NM_001178129.1, NM_012431.2
<i>SEMA3F</i>	NM_001318798.1, NM_001318800.1, NM_004186.4
<i>SERPINB6</i>	NM_001195291.2, NM_001271823.1, NM_001271824.1, NM_001271825.1, NM_001297699.1, NM_001297700.1, NM_004568.5
<i>SHARPIN</i>	NM_030974.3, NM_030974.4
<i>SIX1</i>	NM_005982.3
<i>SIX5</i>	NM_175875.4
<i>SLC17A8</i>	NM_001145288.1, NM_139319.2
<i>SLC19A2</i>	NM_001319667.1, NM_006996.2
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<i>SLC26A5</i>	NM_001167962.1, NM_198999.2, NM_206883.2, NM_206884.2, NM_206885.2
<i>SLC44A4</i>	NM_001178044.1, NM_001178045.1, NM_025257.2, NM_025257.3
<i>SLC9A3R1</i>	NM_004252.4
<i>SLC9A3R2</i>	NM_001130012.2, NM_001252073.1, NM_004785.5
<i>SLITRK6</i>	NM_032229.2

<i>SMPX</i>	NM_014332.2
<i>SNAI2</i>	NM_003068.4
<i>SOX10</i>	NM_006941.3
<i>SPATA5</i>	NM_145207.2
<i>SPNS2</i>	NM_001124758.2
<i>SRRM4</i>	NM_194286.3
<i>STRC</i>	NM_153700.2
<i>SUN1</i>	NM_001130965.2, NM_001171944.1, NM_001171945.1, NM_001171946.1, NM_025154.5
<i>SYNE4</i>	NM_001039876.2, NM_001297735.2
<i>TBC1D24</i>	NM_001199107.1, NM_020705.2
<i>TBCE</i>	NM_001079515.2, NM_001287801.1, NM_001287802.1, NM_003193.4
<i>TCOF1</i>	NM_000356.3, NM_001008657.2, NM_001135243.1, NM_001135244.1, NM_001135245.1
<i>TECTA</i>	NM_005422.2
<i>TECTB</i>	NM_058222.2
<i>TFAP2A</i>	NM_001032280.2, NM_001042425.1, NM_003220.2
<i>TIMM8A</i>	NM_001145951.1, NM_004085.3
<i>TJP2</i>	NM_001170414.2, NM_001170415.1, NM_001170416.1, NM_004817.4, NM_201629.3
<i>TMC1</i>	NM_138691.2
<i>TMC2</i>	NM_080751.2
<i>TMEM132E</i>	NM_001304438.1
<i>TMIE</i>	NM_147196.2
<i>TMPRSS3</i>	NM_001256317.1, NM_024022.2, NM_032405.1
<i>TNC</i>	NM_002160.3
<i>TPRN</i>	NM_001128228.2
<i>TRIOBP</i>	NM_001039141.2, NM_007032.5, NM_138632.2
<i>TSPEAR</i>	NM_144991.2
<i>TWNK</i>	NM_001163812.1, NM_001163813.1, NM_001163814.1, NM_021830.4
<i>TYR</i>	NM_000372.4

<i>USH1C</i>	NM_001297764.1, NM_005709.3, NM_153676.3
<i>USH1G</i>	NM_173477.4
<i>USH2A</i>	NM_007123.5, NM_206933.2
<i>WBP2</i>	NM_001330499.1, NM_001348170.1, NM_012478.3
<i>WFS1</i>	NM_001145853.1, NM_006005.3
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<i>YWHAE</i>	NM_006761.4
<i>ZNF614</i>	NM_025040.3
