

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

Supplementary Digital Content 7.

Table showing List of Heterozygous Clinically Significant Variants in Undiagnosed Patients

ID	Solved	Gene	Transcript	g. Position	c. Position	p. Position	gnomAD max AF
96	No	<i>ADGRV1</i>	NM_032119.3	chr5:89924617C>T	c.1477C>T	p.Arg493*	2.0×10^{-5}
215	No	<i>ADGRV1</i>	NM_032119.3	chr5:89949365C>T	c.3974C>T	p.Thr1325Met	4.4×10^{-5}
281	No	<i>ADGRV1</i>	NM_032119.3	chr5:90119413G>C	c.16368G>C	p.Lys5456Asn	Not listed
241	No	<i>ALMS1</i>	NM_015120.4	chr2:73612999G>A	c.3G>A	p.?	Not listed
77	No	<i>BSND</i>	NM_057176.2	chr1:55464869G>T	c.10G>T	p.Glu4*	3.9×10^{-6}
207	No	<i>CDH23</i>	NM_022124.5	chr10:73375261G>A	c.833G>A	p.Gly278Glu	Not listed
222	No	<i>CDH23</i>	NM_022124.5	chr10:73545409C>T	c.5734C>T	p.Arg1912Trp	2.6×10^{-5}
53	No	<i>CDH23</i>	NM_022124.5	chr10:73567275G>A	c.8311G>A	p.Gly2771Ser	3.9×10^{-4}
258	No	<i>CDH23</i>	NM_022124.5	chr10:73572583C>T	c.9569C>T	p.Ala3190Val	3.3×10^{-4}
229	No	<i>CIB2</i>	NM_006383.3	chr15:78403509G>A	c.196C>T	p.Arg66Trp	2.4×10^{-5}
14	No	<i>CLDN14</i>	NM_144492.2	chr21:37833905C>T	c.89G>A	p.Trp30*	4.6×10^{-6}
235	No	<i>CLDN14</i>	NM_144492.2	chr21:37833752C>T	c.242G>A	p.Arg81His	1.6×10^{-5}
164	No	<i>CLRN1</i>	NM_001195794.1	chr3:150645894A>C	c.567T>G	p.Tyr189*	6.8×10^{-4}
283	No	<i>COCH</i>	NM_001347720.1	chr14:31349849C>T	c.733C>T	p.Arg245*	7.9×10^{-6}

291	No	<i>COCH</i>	NM_001347720.1	chr14:31349849C>T	c.733C>T	p.Arg245*	7.9×10^{-6}
177	No	<i>FOXI1</i>	NM_012188.4	chr6:169533053A>G	c.92A>G	p.Tyr31Cys	2.8×10^{-5}
98	No	<i>GJB2</i>	NM_004004.5	chr13:20763686delC	c.35del	p.Gly12Valfs*2	7.9×10^{-3}
136	No	<i>GJB2</i>	NM_004004.5	chr13:20763452A>G	c.269T>C	p.Leu90Pro	6.4×10^{-4}
173	No	<i>GJB2</i>	NM_004004.5	chr13:20763620A>G	c.101T>C	p.Met34Thr	8.6×10^{-3}
295	No	<i>GJB2</i>	NM_004004.5	chr13:20763620A>G	c.101T>C	p.Met34Thr	8.6×10^{-3}
186	No	<i>GJB2</i>	NM_004004.5	chr13:20763612C>T	c.109G>A	p.Val37Ile	7.7×10^{-3}
205	No	<i>GJB2</i>	NM_004004.5	chr13:20763612C>T	c.109G>A	p.Val37Ile	7.7×10^{-3}
166	No	<i>GJB2</i>	NM_004004.5	chr13:20763234T>C	c.487A>G	p.Met163Val	1.4×10^{-4}
178	No	<i>GJB2</i>	NM_004004.5	chr13:20763234T>C	c.487A>G	p.Met163Val	1.4×10^{-4}
303	No	<i>GJB2</i>	NM_004004.5	chr:20763486del	c.235del	p.Leu79Cysfs*3	4.6×10^{-4}
164	No	<i>GRXCR1</i>	NM_001080476.2	chr4:42964963C>T	c.439C>T	p.Arg147Cys	5.2×10^{-5}
156	No	<i>ILDR1</i>	NM_001199799.1	chr3:121713035G>A	c.772C>T	p.Gln258*	5.0×10^{-4}
158	No	<i>LHFPL5</i>	NM_182548.3	chr6:35782414C>G	c.504C>G	p.Tyr168*	Not listed
199	No	<i>LOXHD1</i>	NM_001145472.2	chr18:44089768C>T	c.2077G>A	p.Glu693Lys	7.7×10^{-4}
237	No	<i>LOXHD1</i>	NM_144612.6	chr18:44143129G>A	c.2497C>T	p.Arg833*	2.5×10^{-5}
22	No	<i>MYO15A</i>	NM_016239.3	chr17:18034553A>T	c.4039A>T	p.Ile1347Phe	8.0×10^{-6}
216	No	<i>MYO15A</i>	NM_016239.3	chr17:8035800G>A	c.4240G>A	p.Glu1414Lys	4.1×10^{-6}
102	No	<i>MYO15A</i>	NM_016239.3	chr17:18024983delC	c.2873del	p.Pro958Leufs*28	2.9×10^{-4}
282	No	<i>MYO7A</i>	NM_000260.3	chr11:76909539G>C	c.4442-1G>C	p.?	4.0×10^{-6}

100	No	<i>NDP</i>	NM_000266.3	chrX:43809178C>T	c.269G>A	p.Arg90His	2.4×10^{-5}
155	No	<i>OTOG</i>	NM_001277269.1	chr11:17582364G>T	c.1487G>T	p.Cys496Phe	Not listed
179	No	<i>SLC26A4</i>	NM_000441.1	chr7:107301201T>C	c.-103T>C	p.?	5.5×10^{-3}
3	No	<i>SLC26A4</i>	NM_000441.1	chr7:107312690G>T	c.412G>T	p.Val138Phe	1.7×10^{-4}
173	No	<i>SLC26A4</i>	NM_000441.1	chr13:20763620A>G	c.103T>C	p.?	
78	No	<i>STRC</i>	NM_153700.2	chr15:g.(?_43892732)_(43901532_?)del	c.(?_3499)_(4993_?)del	p.?	
150	No	<i>STRC</i>	NM_153700.2	chr15:g.(?_43891870)_(43910920_?)del	c.(?_1)_(5328_?)del	p.?	
161	No	<i>STRC</i>	NM_153700.2	chr15:g.(?_43891870)_(43910920_?)del	c.(?_1)_(5328_?)del	p.?	
166	No	<i>STRC</i>	NM_153700.2	chr15:g.(?_43891870)_(43910920_?)del	c.(?_1)_(5328_?)del	p.?	
77	No	<i>TMPRSS3</i>	NM_024022.2	chr21:43808545G>T	c.413C>A	p.Ala138Glu	1.6×10^{-3}
153	No	<i>TMPRSS3</i>	NM_024022.2	chr21:43808545G>T	c.413C>A	p.Ala138Glu	1.6×10^{-3}
217	No	<i>TMPRSS3</i>	NM_024022.2	chr21:43804116insT	c.579dup	p.Cys194Metfs*17	3.6×10^{-5}
268	No	<i>TMPRSS3</i>	NM_024022.2	chr21:43803171C>G	c.753G>C	p.Trp251Cys	1.3×10^{-4}
228	No	<i>TMPRSS3</i>	NM_024022.2	chr21:43802210C>T	c.916G>A	p.Ala306Thr	1.4×10^{-4}
184	No	<i>TRIOBP</i>	NM_001039141.2	chr22:38130773delG	c.4436del	p.Gly1479Alafs*28	Not listed
275	No	<i>USH1C</i>	NM_153676.3	chr11:17547990T>A	c.580-2A>T	p.?	Not listed
180	No	<i>USH1G</i>	NM_173477.4	chr17:72916621T>C	c.310A>G	p.Met104Val	1.4×10^{-4}

Genomic coordinates are mapped to the GRCh37 genome assembly