S1 Table

Summary of 81 Targeted Genes Related to Non-Syndromic Hearing Loss

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| --- | --- | --- | --- |
| Gene | Inheritance | mRNA | Exons |
| ACTG1 | AD | NM\_001199954.1 | 6 |
| ATP2B2 | AR | NM\_001001331.2 | 23 |
| BSND | AR | NM\_057176.2 | 4 |
| CACNA1D | AR | NM\_000720.3 | 49 |
| CCDC50 | AD | NM\_178335.2 | 12 |
| CDH23 | AR | NM\_022124.5, | 70 |
| CEACAM16 | AD | NM\_001039213.3 | 7 |
| CLDN14 | AR | NM\_144492.2 | 3 |
| CLRN1 | AR | NM\_174878.2 | 3 |
| COCH | AD | NM\_001135058.1 | 11 |
| CRYM | AD | NM\_001888.4 | 10 |
| DFNA5 | AD | NM\_004403.2 | 10 |
| DFNB31 | AR | NM\_015404.3 | 12 |
| DFNB59/PJVK | AR | NM\_001042702.3 | 7 |
| DIABLO | AD | NM\_019887.5 | 7 |
| DIAPH1 | AD | NM\_005219.4 | 28 |
| DIAPH3 | AD | NM\_001258366.1 | 27 |
| DSPP | AD | NM\_014208.3 | 5 |
| ESPN | AR/AD | NM\_031475.2 | 13 |
| ESRRB | AR | NM\_004452.3 | 11 |
| EYA4 | AD | NM\_004100.4 | 20 |
| FOXI1 | AR/AD | NM\_012188.4 | 2 |
| GIPC3 | AR | NM\_133261.2 | 6 |
| GJA1 | AR | NM\_000165.4 | 2 |
| GJB2 | AR/AD | NM\_004004.5 | 2 |
| GJB3 | AR/AD | NM\_024009.2 | 2 |
| GJB6 | AR/AD | NM\_001110219.2 | 5 |
| GPR98 | AR | NM\_032119.3 | 90 |
| GPSM2 | AR | NM\_013296.4 | 15 |
| GRHL2 | AD | NM\_024915.3 | 16 |
| GRXCR1 | AR | NM\_001080476.2 | 4 |
| HGF | AR | NM\_000601.4 | 18 |
| ILDR1 | AR | NM\_001199799.1 | 8 |
| KCNE1 | AR | NM\_000219.5 | 4 |
| KCNJ10 | AR | NM\_002241.4 | 2 |
| KCNQ1 | AR | NM\_000218.2 | 16 |
| KCNQ4 | AD | NM\_004700.3 | 14 |
| LHFPL5 | AR | NM\_182548.3 | 4 |
| LOXHD1 | AR | NM\_144612.6 | 40 |
| LRTOMT | AR | NM\_145309.5 | 6 |
| MARVELD2 | AR | NM\_001038603.2 | 7 |
| MIR96 | AD | NR\_029512.1 | | |
| MSRB3 | AR | NM\_198080.3 | 6 |
| MT-RNR1 | MT | — |  |
| MT-TS1 | MT | — |  |
| MYH14 | AD | NM\_001077186.1 | 42 |
| MYH9 | AD | NM\_002473.5 | 41 |
| MYO15A | AR | NM\_016239.3 | 66 |
| MYO1A | AD | NM\_001256041.1 | 29 |
| MYO3A | AR | NM\_017433.4 | 35 |
| MYO6 | AR/AD | NM\_004999.3 | 35 |
| MYO7A | AR/AD | NM\_000260.3 | 49 |
| OTOA | AR | NM\_144672.3 | 28 |
| OTOF | AR | NM\_194248.2 | 47 |
| OTOG | AR | NM\_001277269.1 | 55 |
| PCDH15 | AR | NM\_001142765.1 | 32 |
| PDZD7 | AR | NM\_001195263.1 | 17 |
| POU3F4 | X-linked | NM\_000307.4 | 1 |
| POU4F3 | AD | NM\_002700.2 | 2 |
| PRPS1 | X-linked | NM\_002764.3 | 7 |
| PTPRQ | AR | NM\_001145026.1 | 45 |
| RDX | AR | NM\_001260492.1 | 16 |
| SERPINB6 | AR | NM\_001297699.1 | 7 |
| SIX1 | AD | NM\_005982.3 | 2 |
| SLC17A8 | AD | NM\_139319.2 | 12 |
| SLC26A4 | AR | NM\_000441.1 | 21 |
| SLC26A5 | AR | NM\_198999.2 | 20 |
| SMPX | X-linked | NM\_014332.2 | 5 |
| STRC | AR | NM\_153700.2 | 29 |
| TECTA | AR/AD | NM\_005422.2 | 23 |
| TIMM8A | X-linked | NM\_004085.3 | 2 |
| TJP2 | AD | NM\_004817.3 | 23 |
| TMC1 | X-linked | NM\_138691.2 | 24 |
| TMIE | AR | NM\_147196.2 | 4 |
| TMPRSS3 | AR | NM\_024022.2 | 13 |
| TPRN | AR | NM\_001128228.2 | 4 |
| TRIOBP | AR | NM\_138632.2 | 8 |
| USH1C | AR | NM\_005709.3 | 21 |
| USH1G | AR | NM\_173477.4 | 3 |
| USH2A | AR | NM\_206933.2 | 72 |
| WFS1 | AR/AD | NM\_006005.3 | 8 |

AR: Autosomal Recessive; AD: Autosomal Dominant; MT: Mitochondrial Inheritance