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 5.**
Distribution of Solved Cases to Syndromic/Non-syndromic Hearing Loss Mimic Genes

| Syndrome | Inheritance by family history | Gene (*n*) | Total (*n*) | Percentage of solved cases (%) |
|---|---|---|---|---|
| Waardenburg syndrome | AR | *PAX3* (n = 1) | 5 | 6.7 |
| | AD | *EDNRB* (n = 1) | | |
| | Sporadic | *EDNRB* (n = 1) | | |
| | | *SOX10* (n = 1) | | |
| | | *MITF* (n = 1) | | |
| Alport syndrome | AR | *COL4A3* (n = 2) | 4 | 5.3 |
| | X-linked | *COL4A5* (n = 1) | | |
| | AD | *COL4A3* (n = 1) | | |
| | Sporadic | *COL4A3* (n = 1) | | |
| Pendred syndrome | Sporadic | *SLC26A4* (n = 2) | 4 | 5.3 |
| | AR | *SLC26A4* (n = 2) | | |
| Stickler syndrome | AD | *COL2A1* (n = 1) | 3 | 4.0 |
| | | *COL11A1* (n = 1) | | |
| | Sporadic | *COL9A2* (n = 1) | | |
| Usher syndrome | Sporadic | *USH2A* (n = 1) | 2 | 2.7 |
| | AR | *USH2A* (n = 1) | | |
| Branchio-oculo-facial syndrome | AD | *TFAP2A* (n = 1) | 1 | 1.3 |
| Beta-mannosidosis | AR | *MANBA* (n = 1) | 1 | 1.3 |
| All | | | 20 | 26.6 |