

Supplement material

Table S1. 115 mutations of the 3 deafness causing genes detected in the study

| gene | allele | Category |
|-------------|----------------|------------|
| <i>GJB2</i> | IVS1+1G>A | Pathogenic |
| | 1A>G | Pathogenic |
| | 9G>A | Unknown |
| | 23C>T | Pathogenic |
| | 35delG | Pathogenic |
| | 34_35insG | Pathogenic |
| | 95G>T | Pathogenic |
| | 95G>A | Pathogenic |
| | 109G>A | Pathogenic |
| | 134G>A | Pathogenic |
| | 139G>T | Pathogenic |
| | 157T>A | Pathogenic |
| | 164C>A | Pathogenic |
| | 167delT | Pathogenic |
| | 176_191del16 | Pathogenic |
| | 187G>T | Pathogenic |
| | 230G>A | Pathogenic |
| | 232G>A | Pathogenic |
| | 235delC | Pathogenic |
| | 257C>G | Pathogenic |
| | 283G>A | Pathogenic |
| | 287C>G | Pathogenic |
| | 299_300delAT | Pathogenic |
| | 313_326del14 | Pathogenic |
| | 358_360delGAG | Pathogenic |
| | 382A>G | Pathogenic |
| | 408C>A | Pathogenic |
| | 416G>A | Pathogenic |
| | 427C>T | Pathogenic |
| | 439G>A | Pathogenic |
| | 493C>T | Pathogenic |
| | 511_512insAACG | Pathogenic |
| | 571T>C | Unknown |
| | 583A>G | Pathogenic |
| | 598G>A | Pathogenic |
| | 605ins46 | Pathogenic |
| | 109G>T | Pathogenic |
| | 147C>G | Unknown |
| | 170C>A | Pathogenic |
| | 227C>T | Pathogenic |
| | 230A>T | Pathogenic |

| | | |
|----------------|---------------------|------------|
| | 235C>T | Pathogenic |
| | 249G>A | Pathogenic |
| | 269C>T | Pathogenic |
| | 279T>A | Pathogenic |
| | 281C>T | Pathogenic |
| | 387delC | Pathogenic |
| | 398C>T | Pathogenic |
| | 404A>G | Pathogenic |
| | 414delT | Pathogenic |
| | 421T>C | Pathogenic |
| | 439A>G | Pathogenic |
| | 563T>C | Pathogenic |
| | 589G>A | Pathogenic |
| | 665G>T | Pathogenic |
| | 668T>C | Pathogenic |
| | 754T>C | Pathogenic |
| | 766 -2A>G | Pathogenic |
| | 907G>C | Pathogenic |
| | 916_917insG | Pathogenic |
| <i>SLC26A4</i> | 919-2A>G(ivs7-2) | Pathogenic |
| | 946G>T | Pathogenic |
| | 1001+1G>A | Pathogenic |
| | 1022delC | Pathogenic |
| | 1079C>T | Pathogenic |
| | 1105A>G | Pathogenic |
| | 1160C>T | Pathogenic |
| | 1173C>A | Pathogenic |
| | 1174A>T | Pathogenic |
| | 1225C>T | Pathogenic |
| | 1226G>A | Pathogenic |
| | 1229C>T | Pathogenic |
| | 1238A>G | Pathogenic |
| | 1240-1243GAGA>AAAAG | Pathogenic |
| | 1262A>C | Pathogenic |
| | 1264G>A | Pathogenic |
| | 1318A>T | Pathogenic |
| | 1327G>C | Pathogenic |
| | 1334T>G | Pathogenic |
| | 1336C>T | Pathogenic |
| | 1340delA | Pathogenic |
| | 1343C>A | Pathogenic |
| | 1343C>T | Pathogenic |
| | 1371C>A | Pathogenic |
| | 1489G>A | Pathogenic |

| | | |
|---------------------|-------------------------|------------|
| | 1517T>G | Pathogenic |
| | 1520delT | Pathogenic |
| | 1522A>G | Pathogenic |
| | 1540C>T | Pathogenic |
| | 1547_1548InsC | Pathogenic |
| | 1586T>G | Pathogenic |
| | 1594A>C | Pathogenic |
| | 1595G>T | Pathogenic |
| | 1614+9C>T | Pathogenic |
| | 1615A>G | Pathogenic |
| | 1673A>T | Pathogenic |
| | 1686_1687insA | Pathogenic |
| | 1699A>T | Pathogenic |
| | 1707+1G>A | Pathogenic |
| | IVS15+5G>A (1707+5 G>A) | Pathogenic |
| | 1829C>A | Pathogenic |
| | 1927G>T | Pathogenic |
| | 1949T>A | Pathogenic |
| | 1975G>C | Pathogenic |
| | 1985G>A | Pathogenic |
| | 1991C>T | Pathogenic |
| | 2014G>A | Pathogenic |
| | 2027T>A | Pathogenic |
| | 2054G>T | Pathogenic |
| | 2086C>T | Pathogenic |
| | 2162C>T | Pathogenic |
| | 2167C>G | Pathogenic |
| | 2168A>G | Pathogenic |
| | <hr/> | |
| <i>mtDNA12SrRNA</i> | 1494 C>T | Pathogenic |
| | 1555 A>G | Pathogenic |
