**Supplemental table 1 Characteristics of children who performed DIN test one or two times**

| Characteristics                          | Children 1x DIN (n=31) | Children 2x DIN (n=157) | p-value of the difference |
|------------------------------------------|------------------------|-------------------------|---------------------------|
| Age (years)                              | 10.4 (2.94)            | 11.5 (3.49)             | 0.191                     |
| Hearing Loss (PTA<sub>0.5-4 kHz</sub>, better ear) |                        |                         |                           |
| Normal (≤20 dB HL)                       | 0                      | 16 (10%)                | 0.582                     |
| Mild (21-40 dB HL)                       | 9 (32%)                | 21 (13%)                |                           |
| Moderate (41-60 dB HL)                   | 3 (11%)                | 59 (38%)                |                           |
| Severe (61-80 dB HL)                     | 6 (21%)                | 16 (10%)                |                           |
| Profound (>80 dB HL)*                    | 10 (36%)               | 45 (29%)                |                           |
| Speech perception in quiet (65 dBSPL, %) |                        |                         | 0.533                     |
| Mean (SD)                                | 94 (5.4)               | 95.2 (5.2)              |                           |
| Hearing device                           |                        |                         | 0.675                     |
| Cochlear implant                         | 12 (39%)               | 54 (34%)                |                           |
| Hearing aid                              | 19 (61%)               | 103 (66%)               |                           |
| Results first DIN                        |                        |                         |                           |
| Mean (SD)                                | -1.2 (4.8)             | -3.6 (4.3)              | 0.015*                    |