

Supplementary Table 2. Hearing aid (HA) information and the adjusted gain

Subject no.	HA output gain, dB SPL (input volume: 65 dB SPL)						Frequency lowering setting	Brand and model of hearing aid
	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	6,000 Hz		
1	26	32	39	48	38	25	1.7:1 (4.2 kHz)	Phonak/Naida S III SP
2	13	25	28	48	35	4	n/a	Phonak/Naida Q30 UP
3	10	12	7	14	14	16	n/a	Phonak/Bolero Q50 M13
4	11	12	10	22	18	11	n/a	Phonak/Bolero Q30 M13
5	35	35	35	34	26	25	n/a	Oticon/Sensei
6	8	11	8	13	15	9	n/a	Phonak/Dalia M H2O
7	26	31	30	31	24	19	n/a	Bernafon/CA5 CPx
8	6	10	7	14	12	5	n/a	Phonak/eXtra 411 AZ
9	19	23	22	35	25	-1	n/a	Phonak/Una SP AZ
10	11	14	9	15	18	-5	n/a	Phonak/Bolero Q70-M13
11	1	9	0	13	15	14	n/a	Audio Service/Duo
12	4	13	16	22	28	-13	n/a	Phonak/Naida Q50 SP
13	14	22	31	40	24	24	n/a	Phonak/Solana M H2O
14	17	26	25	30	25	-14	n/a	Phonak/Sky Q50-M13
15	13	18	18	34	31	18	n/a	Unitron/Hearing Aurora2P
16	20	22	21	29	28	19	n/a	Phonak/Naida I SP
17	12	31	41	43	33	16	n/a	Simens/Explorer 500P
18	27	31	33	33	28	17	n/a	Oticon/Nera ProP
19	40	40	33	32	34	33	1.2:1 (4.6 kHz)	Phonak/Naida V50 SP
20	53	49	48	46	38	48	n/a	Starkey/S9
21	38	42	41	53	48	1	n/a	Phonak/Naida Q30-UP
22	33	40	40	48	44	-4	n/a	Phonak/Naida S V UP
23	26	34	45	51	36	10	2.1:1 (3.1 kHz)	Phonak/Naida Q70 SP
24	29	30	31	37	39	16	1.2:1 (4.2 kHz)	Phonak/Naida V50-SP
25	3	12	12	16	8	3	n/a	Bernafon/Inizia 3 CP
26	15	23	22	28	23	22	n/a	Phonak/Naida I SP
27	-2	8	9	19	19	14	n/a	Argosy/Alize 100 SP
28	5	10	12	23	22	9	n/a	Audio Service/P
29	4	10	7	14	10	9	n/a	Widex/M2-9
30	-1	11	11	15	9	14	n/a	Phonak/Bolero Q30 M13

Output gain of 250–4000 Hz was matched to the Desired Sensation Level (DSL) version 5.0 target gain (tolerance value= ± 5 dB sound pressure level [SPL]). n/a stands for not applicable. The value of frequency lowering represented the compression ratio and compression frequency (e.g. The hearing aids of subject No.1 with compression ratio of 1.7:1, and the compression frequency was set at 4.2 kHz)