Supplemental Material S1. Individual audibility benefit (dB) for static and adaptive frequency compression and for different sound types. LP = low-pass; HP = high-pass; BB = broadband.

| Participant | Static | | | Adaptive | | |
|-------------|------------|----|----|----------|------------|------------|
| | LP | ВВ | HP | LP | ВВ | HP |
| 1 | -2 | 40 | 70 | -52 | –21 | 3 |
| 2 | -2 | 21 | 49 | -2 | 28 | 61 |
| 3 | -17 | -6 | 3 | 8 | 17 | 28 |
| 4 | – 5 | 31 | 63 | -7 | 28 | 59 |
| 5 | -2 | 11 | 20 | -2 | –10 | –21 |
| 6 | 15 | 37 | 40 | 7 | 3 | -10 |
| 7 | 2 | 46 | 66 | 7 | 40 | 48 |
| 8 | -13 | 7 | 13 | -23 | -14 | 0 |