

Supplemental Material S2. Summary of descriptive statistics and distributions for individual studies.

Table S2. Summary of median percent compensation and interquartile range (IQR) for each reflexive pitch study.

| Study | Group | Median | IQR |
|-------|-------|--------|-------|
| 02 | YA | 5.90 | 7.60 |
| 03 | YA | 13.84 | 17.11 |
| 04 | YA | 6.13 | 7.46 |
| 05 | YA | 3.29 | 4.26 |
| 06 | YA | 6.62 | 8.27 |
| 07 | YA | 16.76 | 25.09 |
| 09 | YA | 5.74 | 15.25 |
| 22 | YA | 3.76 | 9.17 |
| 01 | OA | 12.26 | 9.41 |
| 08 | OA | 0.39 | 14.40 |
| 01 | PD | 11.50 | 9.24 |
| 08 | PD | 13.95 | 16.20 |

Note. OA = older adults; PD = Parkinson's disease; YA = young adults.

Figure S2. Histograms for each reflexive pitch (f_o) study, young adult (YA).

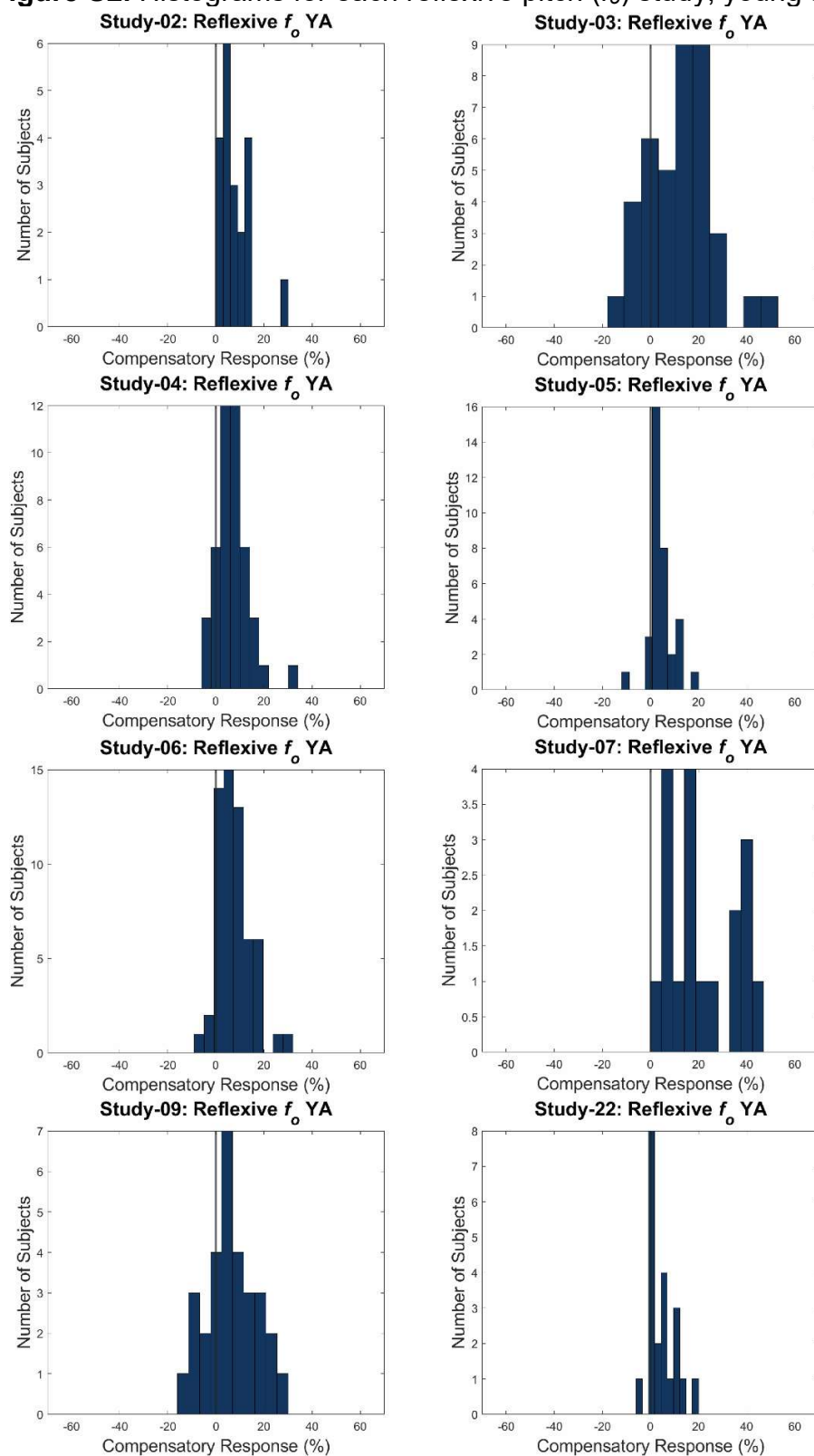


Figure S3. Histograms for each reflexive pitch (f_o) study, older adult (OA) and Parkinson's disease groups (PD).

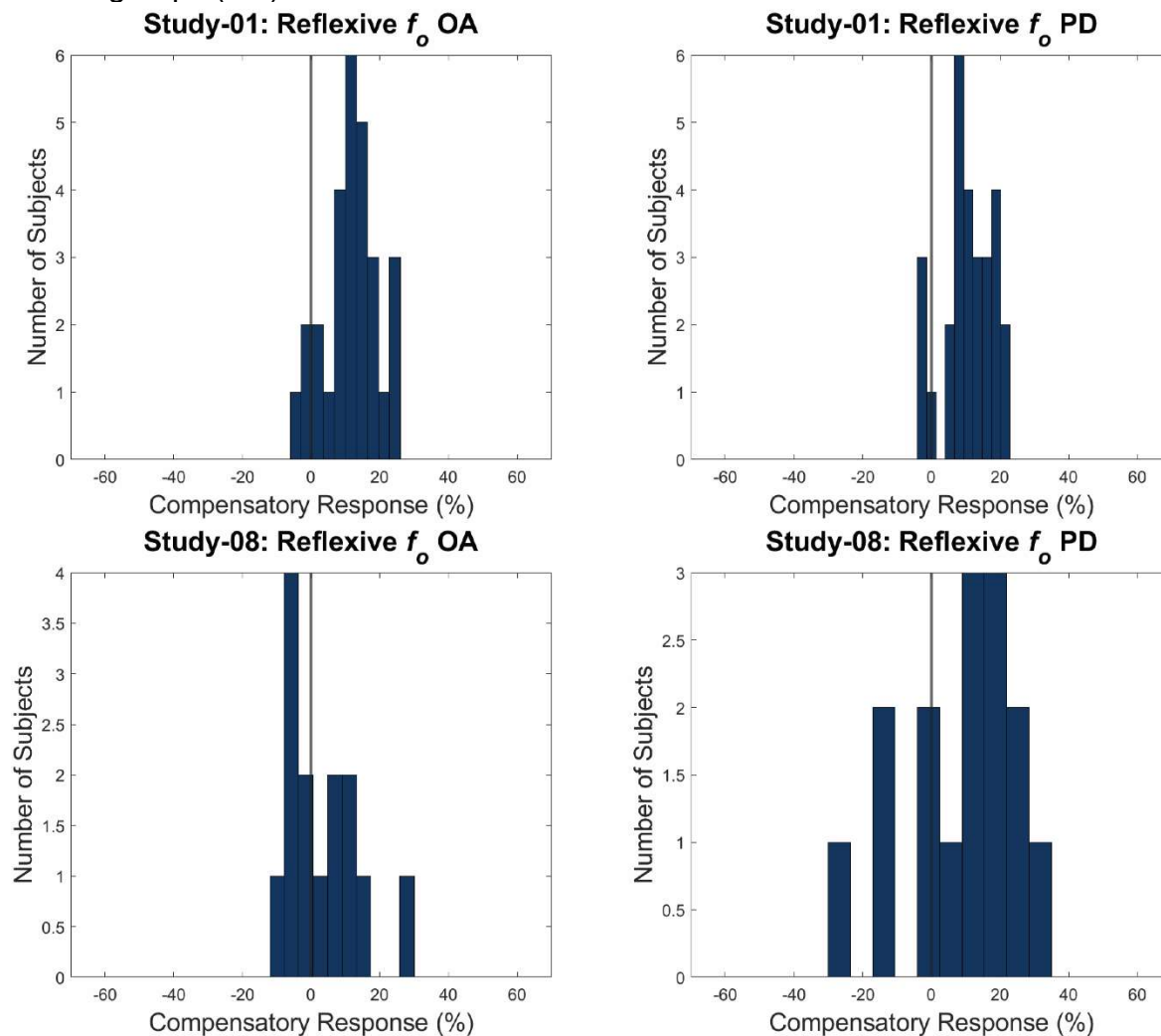


Table S3. Summary of median percent compensation and interquartile range (IQR) for each reflexive formant study.

| Study | Group | Median | IQR |
|--|--------------|---------------|------------|
| 09 | YA | 1.24 | 4.55 |
| 10 | YA | 0.35 | 4.72 |
| 11 | YA | 0.25 | 5.24 |
| 12 | YA | 1.72 | 1.98 |
| 13 | YA | 3.77 | 5.28 |
| 22 | YA | 0.26 | 2.10 |
| 01 | OA | 2.32 | 2.60 |
| 08 | OA | 3.29 | 6.58 |
| 14 | OA | 2.09 | 2.47 |
| 15 | OA | 2.46 | 5.16 |
| 01 | PD | 1.65 | 3.92 |
| 08 | PD | 1.45 | 3.79 |
| <i>Note.</i> OA = older adults; PD = Parkinson's disease; YA = young adults. | | | |

Figure S4. Histograms for each reflexive formant ($F1$) study, young adult (YA).

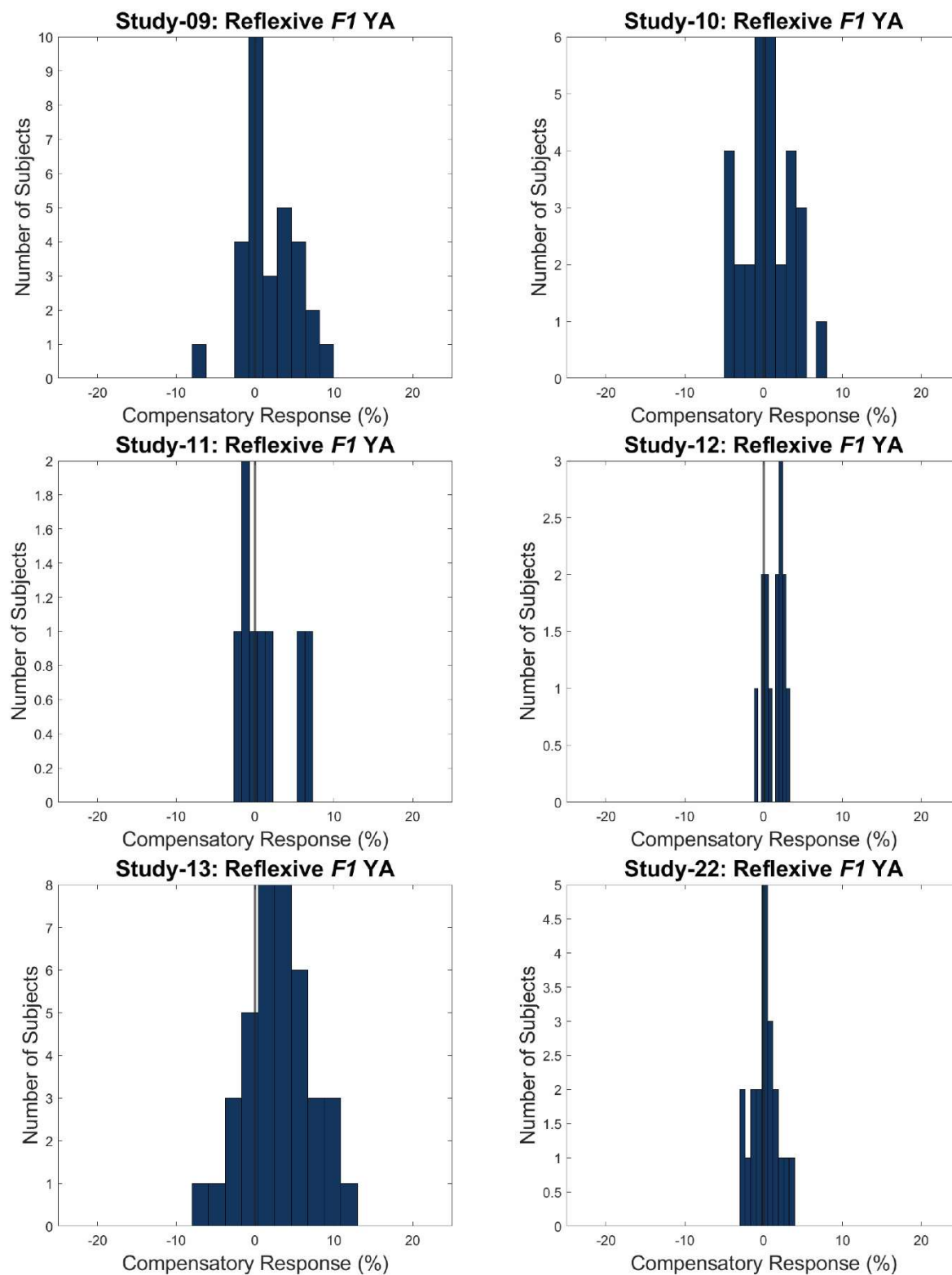


Figure S5. Histograms for each reflexive formant ($F1$) study, older adult (OA) and Parkinson's disease groups (PD).

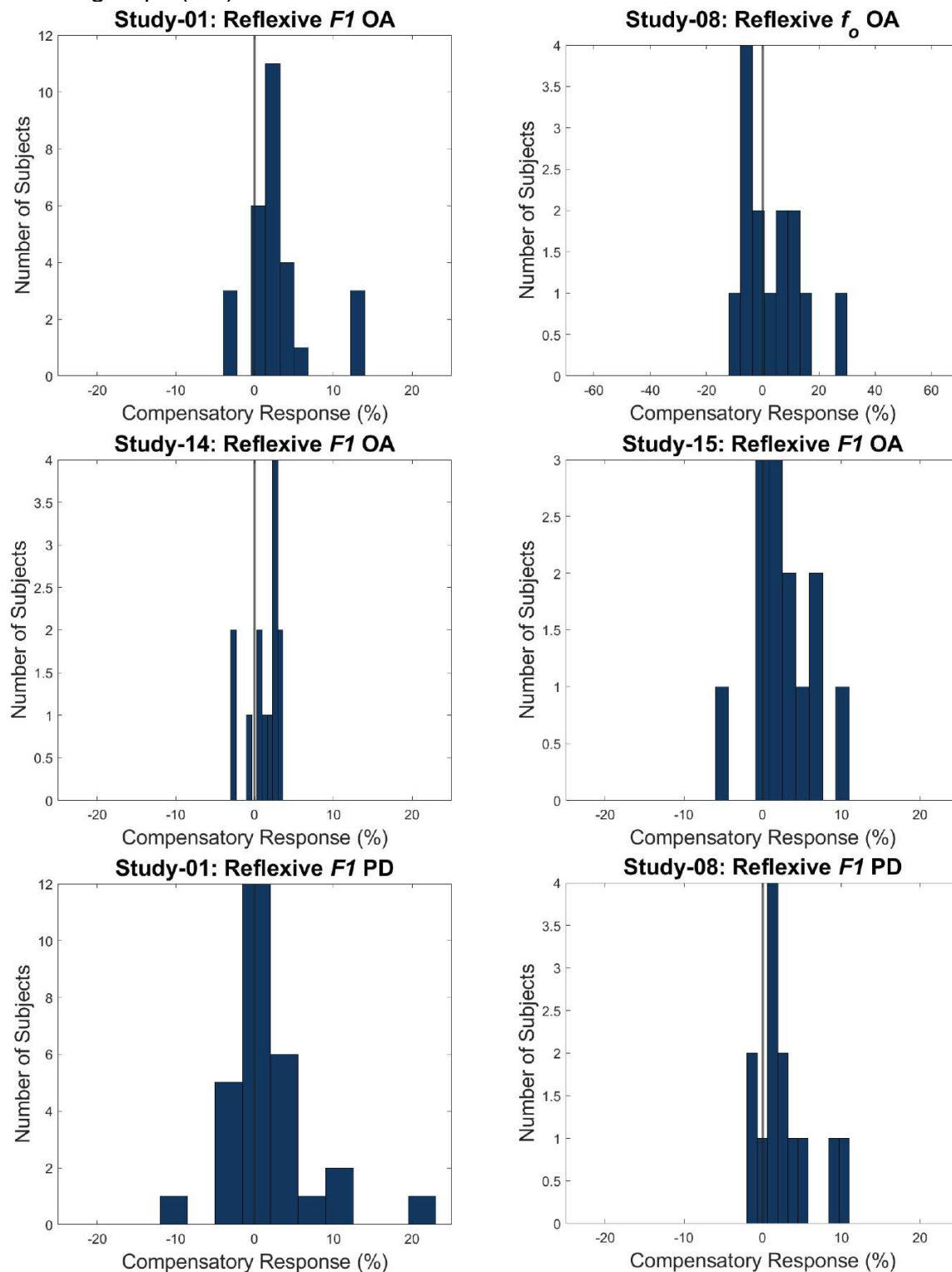


Table S4. Summary of median percent adaptation (as measured across first 3 after-effect trials) and interquartile range (IQR) for each adaptive pitch study.

| Study | Group | Median | IQR |
|--------------|--------------|---------------|------------|
| 02 | YA | 23.91 | 32.95 |
| 21 | YA | 38.61 | 52.75 |
| 22 | YA | -34.52 | 53.56 |
| 01 | OA | 7.77 | 111.11 |
| 16 | OA | 19.77 | 84.10 |
| 01 | PD | 0.41 | 169.25 |
| 16 | PD | -1.14 | 97.47 |

Note. OA = older adults; PD = Parkinson's disease; YA = young adults.

Figure S6. Histograms for each adaptive pitch (f_o) study. OA = older adult; PD = Parkinson's disease; YA = younger adult.

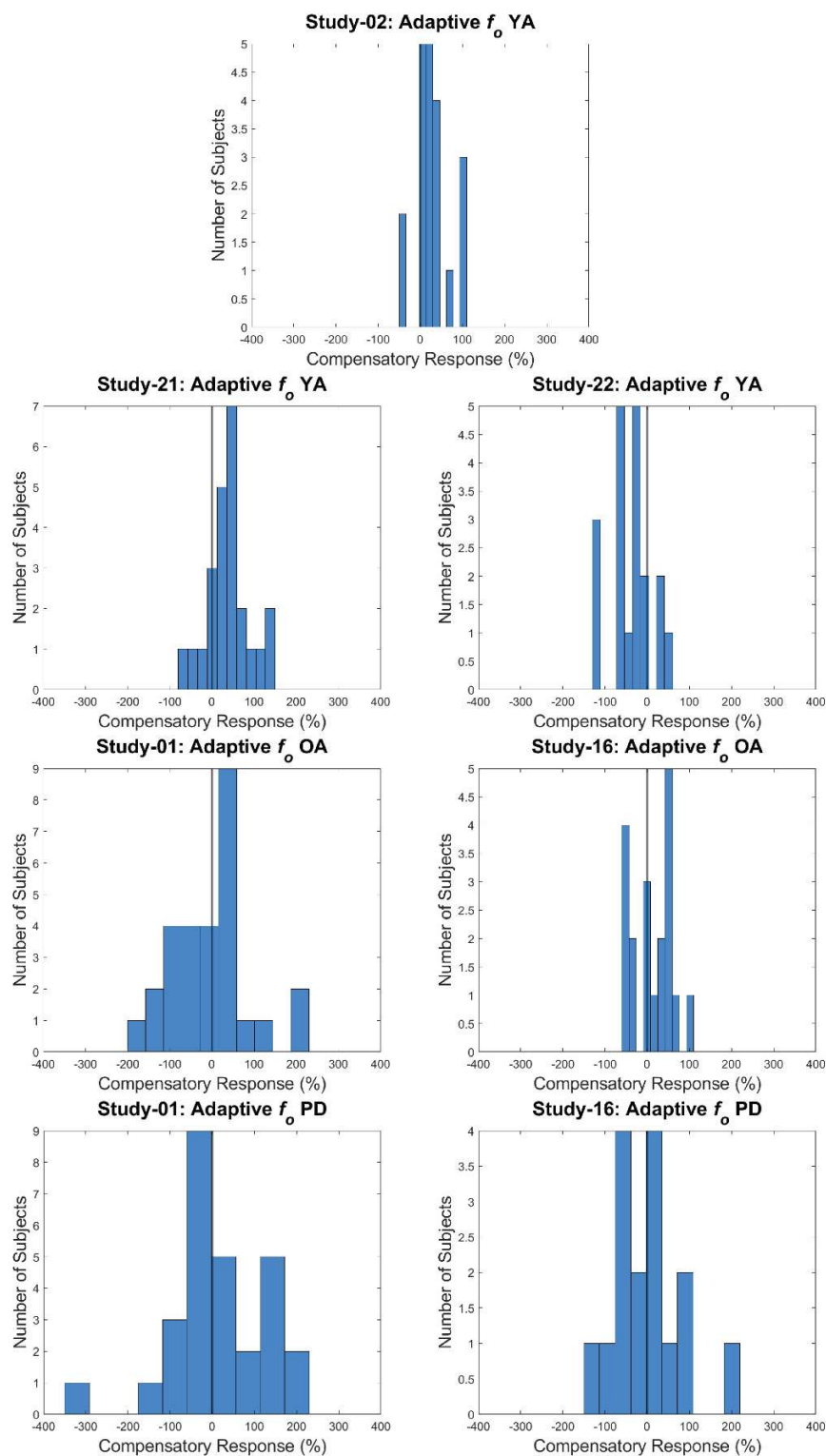


Table S5. Summary of median percent adaptation (as measured across first 3 after-effect trials) and interquartile range (IQR) for each adaptive formant study.

| Study | Group | Median | IQR |
|--------------|--------------|---------------|------------|
| 17 | YA | 9.61 | 15.75 |
| 18 | YA | 37.59 | 37.44 |
| 19 | YA | 19.30 | 15.16 |
| 20 | YA | 18.87 | 29.28 |
| 01 | OA | 16.15 | 30.11 |
| 15 | OA | 28.72 | 30.93 |
| 01 | PD | 6.02 | 27.03 |

Note. OA = older adults; PD = Parkinson's disease; YA = young adults.

Figure S7. Histograms for each adaptive formant ($F1$) study. OA = older adult; PD = Parkinson's disease; YA = younger adult.

