

Supplementary Table 4. Statistical significance of Fig. 4A

| Comparison | $\delta\%$ | $\theta\%$ | $\alpha 1\%$ | $\alpha 2\%$ | $\beta 1\%$ | $\beta 2\%$ | $\beta 3\%$ | $\gamma\%$ |
|-------------------------|--------------------|--------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Four groups | 0.000 [†] | 0.006 [†] | 0.420 | 0.000 [†] | 0.000 [†] | 0.003 [†] | 0.000 [†] | 0.000 [†] |
| NS AC vs NS Others | 0.319 | 0.891 | 0.294 | 0.000 [†] | 0.002 [†] | 0.068 | 0.009 [†] | 0.003 [†] |
| NS AC vs aNI AC | 0.010 [†] | 0.015* | 0.161 | 0.574 | 0.083 | 0.050* | 0.083 | 0.083 |
| NS AC vs aNI others | 0.010 [†] | 0.095 | 0.193 | 0.004 [†] | 0.000 [†] | 0.006 [†] | 0.000 [†] | 0.000 [†] |
| NS others vs aNI AC | 0.007 [†] | 0.006 [†] | 0.401 | 0.000 [†] | 0.690 | 0.289 | 0.825 | 0.200 |
| NS others vs aNI others | 0.001 [†] | 0.010 [†] | 0.801 | 0.568 | 0.000 [†] | 0.004 [†] | 0.000 [†] | 0.004 [†] |
| aNI AC vs aNI others | 0.324 | 0.248 | 0.219 | 0.000 [†] | 0.133 | 0.667 | 0.045* | 0.003 [†] |

* $p < 0.05$, [†] $p < 0.01$, [‡] $p < 0.001$. δ : delta band, θ : theta band, α : alpha band, β : beta band, γ : gamma band, NS: no sound, AC: auditory cortex, aNI: after noise-induced