

**Supplementary Table 3.** Statistical significance of Fig. 4A

Comparison	$\delta$ $\mu$ V	$\theta$ $\mu$ V	$\alpha$ 1 $\mu$ V	$\alpha$ 2 $\mu$ V	$\beta$ 1 $\mu$ V	$\beta$ 2 $\mu$ V	$\beta$ 3 $\mu$ V	$\gamma$ $\mu$ V
Four groups	0.014*	0.013 *	0.058	0.236	0.200	0.205	0.254	0.003 <sup>†</sup>
NS AC vs NS Others	0.900	0.289	0.644	0.450	0.115	0.223	0.089	0.001 <sup>†</sup>
NS AC vs aNI AC	0.105	0.130	0.234	0.721	0.721	1.000	0.645	0.382
NS AC vs aNI others	0.182	0.261	0.261	0.133	0.186	0.324	0.313	0.003 <sup>†</sup>
NS others vs aNI AC	0.075	0.068	0.159	0.698	0.166	0.248	0.186	0.042*
NS others vs aNI others	0.003 <sup>†</sup>	0.004 <sup>†</sup>	0.013*	0.148	0.378	0.089	0.391	0.887
aNI AC vs aNI others	0.378	0.270	0.469	0.179	0.182	0.450	0.279	0.044*

\* $p < 0.05$ , <sup>†</sup> $p < 0.01$ , <sup>‡</sup> $p < 0.001$ .  $\delta$ : delta band,  $\theta$ : theta band,  $\alpha$ : alpha band,  $\beta$ : beta band,  $\gamma$ : gamma band, AC: auditory cortex, aNI: after noise-induced, NS: no sound