

**Supplementary Table S4    Summary of the statistical results for the slow waves from 700 to 1000 ms (time-locked to S2)**

	<b>Time windows</b>		
	700–800 ms	800–900 ms	900–1000 ms
<b><i>Perturbation</i></b> [ $F_{(2,38)}$ ]	22.08***	12.54***	6.55**
<b><i>Front–back</i></b> [ $F_{(2,38)}$ ]	9.43**	9.66**	6.47**
<b><i>Left–right</i></b> [ $F_{(2,38)}$ ]	22.82***	26.96***	24.38***
<b><i>Perturbation*Front–back</i></b> [ $F_{(2,38)}$ ]	1.51	0.72	0.74
<b><i>Perturbation*Left–right</i></b> [ $F_{(2,38)}$ ]	2.84	0.30	0.72
<b><i>Front–back*Left–right</i></b> [ $F_{(4,76)}$ ]	6.13***	5.81**	4.90**
<b><i>Perturbation*Front–back*Left–right</i></b> [ $F_{(4,76)}$ ]	0.84	0.80	1.62

Note: \*  $p < 0.05$ ; \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$