

Supplementary Table 5. Comparison of cortical activity 1 month after treatment and before treatment in the tVNS group (correlated with Fig. 4)

Channel/wave	p-value (tVNS, 1 month after treatment vs. before treatment)							
	δ	θ	$\alpha 1$	$\alpha 2$	$\beta 1$	$\beta 2$	$\beta 3$	γ
Fp1	0.753	0.499	0.799	0.173	0.866	0.735	0.767	0.463
Fz	0.917	0.735	0.799	0.139	0.043	0.237	0.314	0.753
F3	0.753	0.176	0.575	0.086	0.043	0.043	0.021	0.116
F7	0.753	0.612	0.878	0.173	0.176	0.735	0.594	0.600
FT9	0.463	0.866	0.575	0.173	0.237	0.237	0.260	0.753
FC5	0.753	0.612	0.878	0.374	0.735	0.735	0.441	0.917
FC1	0.463	0.866	0.575	0.260	0.866	0.866	0.767	0.249
C3	0.917	0.612	0.878	0.441	0.237	0.176	0.214	0.917
T7	0.917	>0.999	0.799	0.314	0.091	0.176	0.441	0.917
CP5	0.917	>0.999	0.959	0.678	0.612	>0.999	0.086	0.173
CP1	0.917	0.866	0.799	0.374	0.128	0.735	0.594	0.753
Pz	0.600	>0.999	0.386	0.314	0.735	0.398	0.260	0.600
P3	0.753	0.612	0.721	0.173	0.735	0.735	0.859	0.046
P7	0.917	0.866	0.508	0.086	0.237	0.735	0.953	0.075
O1	0.753	0.612	0.575	0.086	0.866	0.310	0.953	0.249
Oz	0.917	0.612	0.575	0.066	0.735	0.310	0.110	0.600
O2	0.600	0.612	0.169	0.515	0.237	0.310	0.110	0.249
P4	0.917	0.310	0.203	0.314	0.128	0.176	0.953	0.600
P8	0.753	>0.999	0.169	0.953	0.018	0.018	0.008*	0.028
CP6	0.753	>0.999	0.959	0.314	0.018	0.063	0.260	0.600
CP2	0.463	0.237	0.959	0.441	0.063	0.063	0.260	0.600
C4	0.917	0.612	0.575	0.260	0.176	0.176	0.110	0.249
T8	0.753	0.499	0.799	0.173	0.866	0.735	0.767	0.463
FC6	0.345	>0.999	0.285	0.173	0.128	0.018	0.008*	0.075
FC2	0.600	0.398	0.878	0.086	0.465	>0.999	0.144	0.109
F4	0.753	0.735	0.959	0.139	>0.999	0.465	0.144	0.109
F8	0.753	0.398	0.959	0.066	0.144	>0.999	>0.999	0.285

*Bonferroni corrected p-value of <0.017. tVNS, transcutaneous vagus nerve stimulation