

## Supplementary Material

### Continuous theta-burst stimulation over the dorsolateral prefrontal cortex inhibits improvement on a working memory task

Teodóra Vékony<sup>a,\*</sup>, Viola Luca Németh<sup>a</sup>, Adrienn Holczer<sup>a</sup>, Krisztián Kocsis<sup>a</sup>, Zsigmond Tamás Kincses<sup>a</sup>, László Vécsei<sup>a,b</sup>, Anita Must<sup>b,c,\*</sup>

<sup>a</sup> Department of Neurology, University of Szeged, Szeged, Hungary

<sup>b</sup> MTA-SZTE Neuroscience Research Group, Szeged, Hungary

<sup>c</sup> Institute of Psychology, University of Szeged, Szeged, Hungary

\* Corresponding authors:

Anita Must MD PhD, Institute of Psychology, University of Szeged, Egyetem u. 2, H-6722, Szeged, Hungary,  
[must.anita@med.u-szeged.hu](mailto:must.anita@med.u-szeged.hu)

Teodóra Vékony, Department of Neurology, University of Szeged, Semmelweis u. 6, H-6725, Szeged, Hungary,  
[vekony.teodora@med.u-szeged.hu](mailto:vekony.teodora@med.u-szeged.hu)

|                     | DF    | Error DF | F     | p    | $\eta_p^2$ | BF <sub>10</sub> |
|---------------------|-------|----------|-------|------|------------|------------------|
| GROUP               | 2     | 48       | 2.993 | .06  | .111       | .722             |
| GROUP × SIDE        | 2     | 48       | .471  | .627 | .019       | .075             |
| GROUP × LOAD        | 3.436 | 82.474   | .537  | .682 | .019       | .062             |
| GROUP × SIDE × LOAD | 3.925 | 94.190   | .482  | .627 | .035       | .086             |

Supplementary Table S1. Comparison of pre-stimulation median RTs between groups

|                     | DF | Error DF | F     | p    | $\eta_p^2$ | BF <sub>10</sub> |
|---------------------|----|----------|-------|------|------------|------------------|
| GROUP               | 2  | 48       | 2.125 | .131 | .048       | < .001           |
| GROUP × SIDE        | 2  | 48       | .586  | .560 | .024       | .190             |
| GROUP × LOAD        | 2  | 48       | .065  | .937 | .003       | .105             |
| GROUP × SIDE × LOAD | 2  | 48       | .135  | .375 | .040       | < .001           |

Supplementary Table S2. Comparison of pre-stimulation d' scores between groups