**Table S3**

*Bayes Factors for Comparisons of Different Hypotheses Regarding Correlation Differences of Drift Rate and WM Performance Between Pretest and Posttest*

|  |  |  |
| --- | --- | --- |
|  | Bayes Factor: H2/H1 | Bayes Factor: H2/H3 |
| Practiced WM Tasks &  Drift rate (Masking time = 12ms) | 35 | 19 |
| Drift rate (Masking time = 24ms) | 27 | 19 |
| Drift rate (Masking time = 47ms) | 28 | 19 |
| Drift rate (Masking time = 94ms) | 38 | 19 |
| Drift rate (Masking times aggregated) | 31 | 19 |
| Near Transfer WM Tasks &  Drift rate (Masking time = 12ms) | 20 | 17 |
| Drift rate (Masking time = 24ms) | 13 | 17 |
| Drift rate (Masking time = 47ms) | 22 | 18 |
| Drift rate (Masking time = 94ms) | 67 | 21 |
| Drift rate (Masking times aggregated) | 25 | 19 |

*Note.* Bayes factors were estimated with the cor\_test function of the package BFpack (Mulder et al., 2021) in R with 50,000 draws from the posterior distribution, using composite scores of WM (separately for the practiced and the near transfer WM tasks) and drift rates (separately for different masking times or aggregated across masking time conditions) at pretest and posttest. Compared hypotheses were: (a) the correlation is higher at pre- than at posttest (H1), (b) the correlation is lower at pre- than at posttest (H2), and (c) both correlations do not differ (H3).

According to conventional standards of interpreting Bayes factors (Jeffreys, 1961), these results mostly denote strong evidence (Bayes factors of 10 to 30) for H2 over H1 and for H2 over H3.

**References**

Jeffreys, H. (1961). *Theory of probability.* Oxford, UK: Oxford University Press.

Mulder, J., Williams, D. R., Gu, X., Tomarken, A., Böing-Messing, F., Olsson-Collentine, A., Meyerink-Bosman, M., Menke, J., van Aert, R., Fox, J.-P., Rosseel, Y., Wagenmakers, E.-J., & van Lissa, C. (2021). BFpack: Flexible Bayes Factor Testing of Scientific Theories in R. *Journal of Statistical Software,* *100,* 1–63. doi:10.18637/jss.v100.i18