**Table S6**

*Simple Phase Contrasts per Group*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Treatment** | | |
| **Contrast** | **Metric** | **Vehicle** | **Methylphenidate** | **Modafinil** |
| **Baseline-Drug** | Rewards | 3.38\* | 3.96\*\*\* | -3.15\* |
| Efficiency | 0.07\* | 0.06 | -0.12\*\* |
| Burst ratio | -0.02 | -0.06 | 0.13\*\* |
| Early Inhibitory Deficit | -0.04\*\* | -0.02 | 0.03\* |
| Timed Peak | 0.03 | 0.04 | -0.19 |
| Timing Spread | -0.001 | -0.01\* | 0.01 |
| Attentional Lapses | -0.04 | -0.1 | -0.02 |
| **Drug-Washout** | Rewards | -1.21 | -1.4 | 2.02 |
| Efficiency | 0.02 | -0.003 | 0.05 |
| Burst ratio | -0.09\* | -0.04 | -0.08 |
| Early Inhibitory Deficit | 0.02 | -0.02 | -0.03\* |
| Timed Peak | -0.11 | 0.07 | 0.05 |
| Timing Spread | -0.002 | 0.004 | -0.008 |
| Attentional Lapses | 0.02 | -0.09 | -0.28\*\* |
| **Baseline-Washout** | Rewards | 2.17 | 2.6\* | -1.21 |
| Efficiency | 0.09\* | 0.06 | -0.07 |
| Burst ratio | -0.11\* | -0.11\* | 0.05 |
| Early Inhibitory Deficit | -0.02 | -0.04\*\* | 0.005 |
| Timed Peak | -0.08 | 0.11 | -0.14 |
| Timing Spread | -0.004 | -0.009 | 0.004 |
| Attentional Lapses | -0.02 | -0.19 | -0.3\*\* |

*Note*. Each cell displays the slope of fixed effects for phase, with adjacent conventional symbology indicating significance levels (\*\*\*: p < 0.001, \*\*: p < 0.01, \*: p < 0.05). To aid comparison of effect signs, negative values are distinguished in red in color.