**S3 Table**

**MTL-PFC theta PAC group model results by condition and direction**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MTL**🡪**PFC** |  | SPATIAL VS. IDENTITY | | TEMPORAL VS. IDENTITY | |
|  | DF | F-Statistic | Cohen’s d | F-Statistic | Cohen’s d |
| **CONDITION** | **1,34040** | **41.53** | **1.23\*\*** | **15.35** | **0.75\*\*** |
| FREQ | 1,34040 | 17.17 | 0.79\*\* | 7.82 | 0.53\*\* |
| TIME | 1,34040 | 37.17 | 1.16\*\* | 10.38 | 0.61\*\* |
| **CONDITION×FREQ** | **1,34040** | **15.00** | **0.74\*\*** | 3.00 | 0.33 |
| **CONDITION×TIME** | **1,34040** | **36.37** | **1.15\*\*** | 2.16 | 0.28 |
| FREQ×TIME | 1,34040 | 10.67 | 0.62\*\* | 0.40 | 0.12 |
| **CONDITION×FREQ×TIME** | **1,34040** | **12.53** | **0.68\*\*** | 0.40 | 0.12 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PFC**🡪**MTL** |  | SPATIAL VS. IDENTITY | | TEMPORAL VS. IDENTITY | |
|  | DF | F-Statistic | Cohen’s d | F-Statistic | Cohen’s d |
| CONDITION | 1,51672 | 1.04 | 0.16 | 4.64 | 0.33 |
| FREQ | 1,51672 | 5.76 | 0.37 | 8.36 | 0.45\*\* |
| TIME | 1,51672 | 2.51 | 0.25 | 1.73 | 0.20 |
| CONDITION×FREQ | 1,51672 | 2.98 | 0.27 | 6.17 | 0.38 |
| CONDITION×TIME | 1,51672 | 1.54 | 0.19 | 0.65 | 0.12 |
| FREQ×TIME | 1,51672 | 4.34 | 0.32 | 3.55 | 0.29 |
| CONDITION×FREQ×TIME | 1,51672 | 3.47 | 0.29 | 2.37 | 0.24 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MTL-PFC** |  | SPATIAL VS. IDENTITY | | TEMPORAL VS. IDENTITY | |
|  | DF | F-Statistic | Cohen’s d | F-Statistic | Cohen’s d |
| CONDITION | 1,85712 | 39.49 | 0.75\*\* | 19.45 | 0.53\*\* |
| FREQ | 1,85712 | 22.11 | 0.56\*\* | 13.40 | 0.44\*\* |
| TIME | 1,85712 | 38.20 | 0.74\*\* | 11.93 | 0.41\*\* |
| **DIRECTION** | **1,85712** | **46.10** | **0.81\*\*** | **36.92** | **0.73\*\*** |
| CONDITION×FREQ | 1,85712 | 17.64 | 0.50\*\* | 6.40 | 0.30 |
| CONDITION×TIME | 1,85712 | 35.89 | 0.72\*\* | 2.73 | 0.20 |
| **CONDITION×DIRECTION** | **1,85712** | **31.24** | **0.67\*\*** | **19.17** | **0.52\*\*** |
| FREQ×TIME | 1,85712 | 14.28 | 0.45\*\* | 1.67 | 0.16 |
| FREQ×DIRECTION | 1,85712 | 22.12 | 0.56\*\* | 15.88 | 0.48\*\* |
| TIME×DIRECTION | 1,85712 | 32.29 | 0.68\*\* | 10.97 | 0.40\*\* |
| CONDITION×FREQ×TIME | 1,85712 | 15.57 | 0.47\*\* | 0.00 | 0.00 |
| **CONDITION×FREQ×DIRECTION** | **1,85712** | **16.54** | **0.49\*\*** | 8.45 | 0.35 |
| **CONDITION×TIME×DIRECTION** | **1,85712** | **29.32** | **0.65\*\*** | 2.69 | 0.20 |
| FREQ×TIME×DIRECTION | 1,85712 | 14.65 | 0.46\*\* | 2.83 | 0.20 |
| **CONDITION×FREQ×TIME×DIRECTION** | **1,85712** | **15.20** | **0.47\*\*** | 0.24 | 0.06 |

\*\*, significant effect; bold, result of interest; FREQ, amplitude frequency; DF, degrees of freedom.