**Table S1**

List of *p*-values from main hypotheses testing for each behavioral index in each family of contrasts and corresponding α values corrected for multiple comparisons.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **contrast** | **drug** | **index** | ***p*-value** | ***α*** | **descending** | **Bonf-H *α*** | **ascending** | **Benj-H *α*** | **sig 1** | **sig 2** |
| bl-dr | MOD | e inh def | 0.000069 | 0.05 | 42 | 0.001190476 | 1 | 0.001190476 | yes | yes |
| bl-dr | MOD | efficiency | 0.000123 | 0.05 | 41 | 0.001219512 | 2 | 0.002380952 | yes | yes |
| bl-dr | MOD | rewards | 0.000419 | 0.05 | 40 | 0.00125 | 3 | 0.003571429 | yes | yes |
| bl-wd | MOD | efficiency | 0.00361 | 0.05 | 39 | 0.001282051 | 4 | 0.004761905 | no | yes |
| dr-wd | MOD | e inh def | 0.0081 | 0.05 | 38 | 0.001315789 | 5 | 0.005952381 | no | no |
| dr-wd | MOD | att laps | 0.0132 | 0.05 | 37 | 0.001351351 | 6 | 0.007142857 | no | no |
| bl-wd | MOD | burst | 0.0155 | 0.05 | 36 | 0.001388889 | 7 | 0.008333333 | no | no |
| bl-dr | MOD | burst | 0.0179 | 0.05 | 35 | 0.001428571 | 8 | 0.00952381 | no | no |
| bl-wd | MOD | att laps | 0.0229 | 0.05 | 34 | 0.001470588 | 9 | 0.010714286 | no | no |
| dr-wd | MPH | e inh def | 0.04739 | 0.05 | 33 | 0.001515152 | 10 | 0.011904762 | no | no |
| bl-wd | MOD | rewards | 0.0791 | 0.05 | 32 | 0.0015625 | 11 | 0.013095238 | no | no |
| bl-wd | MOD | e inh def | 0.1008 | 0.05 | 31 | 0.001612903 | 12 | 0.014285714 | no | no |
| bl-dr | MOD | spread | 0.158 | 0.05 | 30 | 0.001666667 | 13 | 0.01547619 | no | no |
| bl-wd | MPH | att laps | 0.1703 | 0.05 | 29 | 0.001724138 | 14 | 0.016666667 | no | no |
| bl-dr | MPH | spread | 0.214 | 0.05 | 28 | 0.001785714 | 15 | 0.017857143 | no | no |
| bl-wd | MPH | e inh def | 0.3509 | 0.05 | 27 | 0.001851852 | 16 | 0.019047619 | no | no |
| dr-wd | MPH | att laps | 0.3649 | 0.05 | 26 | 0.001923077 | 17 | 0.020238095 | no | no |
| bl-dr | MPH | e inh def | 0.3784 | 0.05 | 25 | 0.002 | 18 | 0.021428571 | no | no |
| bl-wd | MOD | spread | 0.409 | 0.05 | 24 | 0.002083333 | 19 | 0.022619048 | no | no |
| dr-wd | MOD | efficiency | 0.468 | 0.05 | 23 | 0.002173913 | 20 | 0.023809524 | no | no |
| dr-wd | MPH | burst | 0.4824 | 0.05 | 22 | 0.002272727 | 21 | 0.025 | no | no |
| dr-wd | MOD | rewards | 0.49 | 0.05 | 21 | 0.002380952 | 22 | 0.026190476 | no | no |
| bl-dr | MPH | burst | 0.4962 | 0.05 | 20 | 0.0025 | 23 | 0.027380952 | no | no |
| dr-wd | MPH | spread | 0.512 | 0.05 | 19 | 0.002631579 | 24 | 0.028571429 | no | no |
| dr-wd | MOD | spread | 0.516 | 0.05 | 18 | 0.002777778 | 25 | 0.029761905 | no | no |
| bl-wd | MPH | efficiency | 0.549 | 0.05 | 17 | 0.002941176 | 26 | 0.030952381 | no | no |
| bl-wd | MPH | spread | 0.557 | 0.05 | 16 | 0.003125 | 27 | 0.032142857 | no | no |
| bl-dr | MOD | peak | 0.5815 | 0.05 | 15 | 0.003333333 | 28 | 0.033333333 | no | no |
| bl-dr | MPH | att laps | 0.618 | 0.05 | 14 | 0.003571429 | 29 | 0.03452381 | no | no |
| bl-wd | MPH | peak | 0.633 | 0.05 | 13 | 0.003846154 | 30 | 0.035714286 | no | no |
| dr-wd | MPH | peak | 0.64 | 0.05 | 12 | 0.004166667 | 31 | 0.036904762 | no | no |
| dr-wd | MOD | peak | 0.675 | 0.05 | 11 | 0.004545455 | 32 | 0.038095238 | no | no |
| dr-wd | MPH | efficiency | 0.687 | 0.05 | 10 | 0.005 | 33 | 0.039285714 | no | no |
| bl-dr | MPH | rewards | 0.748755 | 0.05 | 9 | 0.005555556 | 34 | 0.04047619 | no | no |
| bl-dr | MPH | efficiency | 0.800945 | 0.05 | 8 | 0.00625 | 35 | 0.041666667 | no | no |
| bl-wd | MPH | rewards | 0.8194 | 0.05 | 7 | 0.007142857 | 36 | 0.042857143 | no | no |
| bl-dr | MOD | att laps | 0.885 | 0.05 | 6 | 0.008333333 | 37 | 0.044047619 | no | no |
| bl-wd | MOD | peak | 0.891 | 0.05 | 5 | 0.01 | 38 | 0.045238095 | no | no |
| dr-wd | MOD | burst | 0.9171 | 0.05 | 4 | 0.0125 | 39 | 0.046428571 | no | no |
| dr-wd | MPH | rewards | 0.929 | 0.05 | 3 | 0.016666667 | 40 | 0.047619048 | no | no |
| bl-dr | MPH | peak | 0.9775 | 0.05 | 2 | 0.025 | 41 | 0.048809524 | no | no |
| bl-wd | MPH | burst | 0.9957 | 0.05 | 1 | 0.05 | 42 | 0.05 | no | no |