**Pairwise comparisons for clustering result**

| Task | Feature | Cluster 1 vs. Cluster 2 | | | Cluster 1 vs. Cluster 3 | | | Cluster 2 vs. Cluster 3 | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| z | p | r | z | p | r | z | p | r |
| ANT | Correct congruent trials | **2.863** | **0.004** | **0.364** | **4.815** | **<.001** | **0.532** | **5.558** | **<.001** | **0.684** |
| Correct incongruent trials | **4.058** | **<.001** | **0.515** | **3.948** | **<.001** | **0.436** | **6.240** | **<.001** | **0.768** |
| Omitted congruent trials | **4.155** | **<.001** | **0.528** | **3.417** | **0.001** | **0.377** | **5.594** | **<.001** | **0.689** |
| Omitted incongruent trials | **6.184** | **<.001** | **0.785** | 1.846 | 0.066 | 0.204 | **5.724** | **<.001** | **0.705** |
| RT congruent trials | **3.840** | **<.001** | **0.488** | 0.413 | 0.683 | 0.046 | **3.277** | **0.002** | **0.403** |
| RT incongruent trials | **3.811** | **<.001** | **0.484** | **3.589** | **0.001** | **0.396** | 0.787 | 0.435 | 0.097 |
| Alerting network | 0.007 | 1.000 | 0.001 | 0.172 | 1.000 | 0.019 | 0.168 | 1.000 | 0.021 |
| Orienting network | 0.444 | 1.000 | 0.056 | 0.172 | 1.000 | 0.019 | 0.343 | 1.000 | 0.042 |
| Executive network | 1.202 | 0.232 | 0.153 | **5.358** | **<.001** | **0.592** | **4.152** | **<.001** | **0.511** |
| CORSI | Correct trials | **4.633** | **<.001** | **0.588** | 0.642 | 0.524 | 0.071 | **3.942** | **<.001** | **0.485** |
| Execution time correct trials | **3.985** | **<.001** | **0.506** | **4.489** | **<.001** | **0.496** | 0.532 | 0.602 | 0.065 |
| Execution time incorrect trials | **3.257** | **0.002** | **0.414** | **4.554** | **<.001** | **0.503** | 0.639 | 0.530 | 0.079 |
| TOL | Correct trials | 0.535 | 0.712 | 0.068 | 0.928 | 0.712 | 0.102 | 1.270 | 0.621 | 0.156 |
| Planning time correct trials | 1.115 | 0.296 | 0.142 | 1.453 | 0.296 | 0.160 | 1.998 | 0.137 | 0.246 |
| KBIT | Correct trials | 2.114 | 0.070 | 0.268 | 1.473 | 0.142 | 0.163 | **3.137** | **0.005** | **0.386** |