**Supplementary Table 8.** Rotated component matrix loadings for the responses to subtest 7 (tea towel) from the juvenile guide dog behaviour test, at 5 and 8 months of age. The PCA’s achieved KMO statistics of 0.77 and 0.72 for the 5 and 8-month tests, respectively, with Bartlett’s test of spherictiy significant to p<0.001 for both. Cumulative variance explained by the components was 61.5% at 5 months and 58.7% and 8 months.

|  |  |  |  |
| --- | --- | --- | --- |
|   | **5M components** |   | **8M components** |
| **Variables** | **Plays/Removes** | **Changes/Turns** |   | **Plays/Removes** | **Changes/Turns** |
| Tea towel: 1st Plays with | **0.838** | -0.113 |  | **0.797** | -0.085 |
| Tea towel: 1st Attempts to remove | **0.825** | -0.191 |  | **0.833** | 0.058 |
| Tea towel: 2nd Plays with | **0.817** | -0.076 |  | **0.796** | 0.004 |
| Tea towel: 2nd Attempts to remove | **0.817** | -0.011 |  | **0.836** | -0.033 |
| Tea towel: 1st Turns | **-0.437** | 0.377 |  | **-0.466** | 0.438 |
| Tea towel: 1st Change from neutral | -0.109 | **0.778** |  | 0.065 | **0.728** |
| Tea towel: 2nd Turns | -0.032 | **0.764** |  | -0.237 | **0.517** |
| Tea towel: 2nd Change from neutral\* |   |   |   | 0.168 | **0.810** |
| \*2nd change from neutral could only be used at 8M due to too few dogs (<5) exhibiting the response at 5M |