**Table S1.2.** Summary of statistical effects of sex, breeding condition (BC), retention interval (RI) and their interactions during the 15 practice sessions from the Progressive RI phase and the 3 test sessions from the Random RIs phase for the spatial delayed-matching-to-sample task. Data were log-arcsine transformed for the Progressive RI and arcsine transformed for the Randomized RI to produce normally distributed residuals. Significant effects are in bold.

| Factors                  | F   | d.f. | p    |
|--------------------------|-----|------|------|
| **Spatial**              |     |      |      |
| Progressive RI – 15 practice sessions |     |      |      |
| Sex                      | 0.43| 1,14 | 0.52 |
| BC                       | 1.43| 1,14 | 0.25 |
| RI                       | 66.73| 4,56 | <0.0001 |
| Sex*BC                   | 1.35| 1,14 | 0.26 |
| Sex*RI                   | 1.70| 4,56 | 0.16 |
| BC*RI                    | 1.36| 4,60 | 0.26 |
| Randomized RI – 3 test sessions |     |      |      |
| Sex                      | 1.90| 1,14 | 0.19 |
| BC                       | 0.41| 1,12 | 0.53 |
| RI                       | 0.67| 3,42 | 0.57 |
| Sex*BC                   | 11.71| 1,12 | 0.005 |
| Sex*RI                   | 4.06| 3,42 | 0.01 |
| BC*RI                    | 0.02| 3,39 | >0.99 |