**Supplementary Table S1.** **Frequencies (mean ± s.d.) of the behaviours considered in the comparison between groups**.

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| --- | --- | --- |
| **All-female group (n = 10)** | **All-Male group (n = 13)** | **Mixed-Sex group (n= 12)** |
| **Anxiety-Related behaviours (mean ± s.d.)** |
| Scratching: 3.10 ± 3.90Head shaking: 6.40 ± 4.43Rubbing: 5.40 ± 3.87Yawning: 1.40 ± 2.01Vacuum Chewing: 0.40 ± 0.84 | Scratching: 3.38 ± 2.36Head shaking: 7.92 ± 8.01Rubbing: 5.23 ± 4.15Yawning: 1.62 ± 1.39Vacuum Chewing: 0.23 ± 0.44 | Scratching: 4.83 ± 3.51Head shaking: 6.08 ± 3.26Rubbing: 1.50 ± 1.44Yawning: 0.75 ± 1.22Vacuum Chewing: 0.08 ± 0.29 |
| **Aggression (normalized on the number of group members; mean ± s.d.)** |
| Aggression: 0.389 ± 0.283 | Aggression: 0.506 ± 0.185 | Aggression: 0.416 ± 0.275 |
| **Affinitive behaviours (normalized on the number of group members; mean ± s.d.)** |
| Rest in contact: 0.567 ± 0.303Nose contact: 0.522 ± 0.385Head over: 0.189 ± 0.159Grooming: 0.067 ± 0.150 | Rest in contact: 0.712 ± 0.336Nose contact: 1.442 ± 0.669Head over: 0.160 ± 0.099Grooming: 0.006 ± 0.023 | Rest in contact: 1.083 ± 0.594Nose contact: 1.167 ± 0.290Head over: 0.220 ± 0.162Grooming: 0.008 ± 0.026 |
| **Post-Conflict affinitive behaviours (normalized on the total number of aggression occurred in the group; mean ± s.d.)** |
| Rest in contact: 0.003 ± 0.009Nose contact: 0.014 ± 0.028Head over: 0.009 ± 0.014Grooming: NA\* | Rest in contact: 0.006 ± 0.007Nose contact: 0.006 ± 0.008Head over: 0.003 ± 0.008Grooming: NA\* | Rest in contact: 0.012 ± 0.009Nose contact: 0.032 ± 0.027Head over: 0.003 ± 0.010Grooming: 0.001 ± 0.005 |
| **Excavation behaviours (mean ± s.d.)** |
| Rooting: 4.00 ± 3.80Rasping: 0.90 ± 1.29Pawing: NA\* | Rooting: 5.69 ± 2.81Rasping: 3.62 ± 1.80Pawing: 0.08 ± 0.28 | Rooting: 8.17 ± 4.06Rasping: 5.92 ± 3.00Pawing: 0.17 ± 0.39 |
| **Exploration behaviours (mean ± s.d.)** |
| Foraging: 20.80 ± 2.70Browsing/Grazing: 0.60 ± 1.07 | Foraging: 20.77 ± 2.95Browsing/Grazing: 0.92 ± 1.04 | Foraging: 18.42 ± 1.08Browsing/Grazing: 0.92 ± 0.90 |

Table showing means and standard deviation for each behaviour considered in different categories. NA\*: Not Applicable, The behaviour was never observed during data collection with respect to the group indicated.