

**Table 5** Behaviours observed during one hour at different locations. The mean total duration in seconds [d] ( $\pm$  standard error) of the evaluated behaviours per hour and the mean frequency [f] per hour of their occurrence in different locations for all evaluated fattening periods are given in the table.

|                            | Roof of the box |             | box          |             | Large elevated platform |             | Under large elevated platform |             | Open space   |             | Floor space    |             | tube        |             |
|----------------------------|-----------------|-------------|--------------|-------------|-------------------------|-------------|-------------------------------|-------------|--------------|-------------|----------------|-------------|-------------|-------------|
| behaviour                  | d               | f           | d            | f           | d                       | f           | d                             | f           | d            | f           | d              | f           | d           | f           |
| Resting                    | 38.67 ± 9.34    | 0.42 ± 0.08 | 20.98 ± 7.51 | 0.14 ± 0.04 | 71.27 ± 13.98           | 0.55 ± 0.13 | 111.99 ± 15.57                | 1.24 ± 0.11 | 16.37 ± 5.36 | 0.15 ± 0.04 | 104.76 ± 13.96 | 1.61 ± 0.13 | 1.68 ± 1.08 | 0.01 ± 0.01 |
| locomotion                 | 0.22 ± 0.04     | 0.13 ± 0.02 | 0.21 ± 0.03  | 0.10 ± 0.01 | 0.72 ± 0.19             | 0.44 ± 0.10 | 1.91 ± 0.14                   | 0.98 ± 0.07 | 0.23 ± 0.05  | 0.10 ± 0.02 | 3.00 ± 0.18    | 1.53 ± 0.09 | 0.01 ± 0.00 | 0.01 ± 0.00 |
| Standing upright           | 0.08 ± 0.03     | 0.02 ± 0.00 | 0.00 ± 0.00  | 0.00 ± 0.00 | 0.11 ± 0.08             | 0.02 ± 0.01 | 0.03 ± 0.01                   | 0.01 ± 0.00 | 0.70 ± 0.26  | 0.07 ± 0.02 | 1.11 ± 0.17    | 0.20 ± 0.02 | 0.00 ± 0.00 | 0.00 ± 0.00 |
| Sitting/<br>standing alert | 0.91 ± 0.21     | 0.09 ± 0.02 | 0.48 ± 0.22  | 0.02 ± 0.01 | 1.66 ± 0.40             | 0.18 ± 0.04 | 0.99 ± 0.18                   | 0.12 ± 0.02 | 0.46 ± 0.16  | 0.05 ± 0.01 | 1.28 ± 0.16    | 0.24 ± 0.03 | 0.02 ± 0.02 | 0.00 ± 0.00 |
| Eating                     | 0.00 ± 0.00     | 0.00 ± 0.00 | 0.00 ± 0.00  | 0.00 ± 0.00 | 0.00 ± 0.00             | 0.00 ± 0.00 | 65.10 ± 7.15                  | 0.57 ± 0.05 | 0.00 ± 0.00  | 0.00 ± 0.00 | 22.99 ± 4.05   | 0.17 ± 0.03 | 0.00 ± 0.00 | 0.00 ± 0.00 |
| drinking                   | 0.00 ± 0.00     | 0.00 ± 0.00 | 0.00 ± 0.00  | 0.00 ± 0.00 | 0.00 ± 0.00             | 0.00 ± 0.00 | 10.13 ± 1.18                  | 0.40 ± 0.04 | 0.00 ± 0.00  | 0.00 ± 0.00 | 5.60 ± 0.80    | 0.21 ± 0.03 | 0.00 ± 0.00 | 0.00 ± 0.00 |
| comfort                    | 11.71 ± 2.52    | 0.41 ± 0.09 | 2.58 ± 0.73  | 0.11 ± 0.03 | 9.43 ± 1.99             | 0.43 ± 0.08 | 21.02 ± 2.67                  | 1.15 ± 0.12 | 4.57 ± 1.44  | 0.19 ± 0.15 | 23.46 ± 2.75   | 1.32 ± 0.12 | 0.02 ± 0.02 | 0.00 ± 0.00 |
| sterotypical               | 0.33 ± 0.14     | 0.02 ± 0.01 | 0.08 ± 0.08  | 0.00 ± 0.00 | 0.31 ± 0.12             | 0.05 ± 0.02 | 0.08 ± 0.05                   | 0.02 ± 0.01 | 0.13 ± 0.07  | 0.01 ± 0.01 | 0.15 ± 0.08    | 0.02 ± 0.01 | 0.00 ± 0.00 | 0.00 ± 0.00 |
| aggressive                 | 0.00 ± 0.00     | 0.00 ± 0.00 | 0.00 ± 0.00  | 0.00 ± 0.00 | 0.01 ± 0.01             | 0.00 ± 0.00 | 0.03 ± 0.02                   | 0.01 ± 0.00 | 0.01 ± 0.01  | 0.00 ± 0.00 | 0.05 ± 0.02    | 0.02 ± 0.01 | 0.00 ± 0.00 | 0.00 ± 0.00 |
| investigatory              | 0.00 ± 0.00     | 0.00 ± 0.00 | 0.00 ± 0.00  | 0.00 ± 0.00 | 0.11 ± 0.05             | 0.01 ± 0.00 | 1.07 ± 0.30                   | 0.14 ± 0.02 | 0.00 ± 0.00  | 0.00 ± 0.00 | 1.87 ± 0.27    | 0.31 ± 0.03 | 0.00 ± 0.00 | 0.00 ± 0.00 |
| socio-<br>positive         | 1.61 ± 0.39     | 0.15 ± 0.03 | 0.68 ± 0.17  | 0.05 ± 0.01 | 2.99 ± 0.94             | 0.23 ± 0.05 | 3.98 ± 0.44                   | 0.45 ± 0.04 | 0.51 ± 0.24  | 0.05 ± 0.01 | 7.63 ± 0.72    | 0.94 ± 0.07 | 0.00 ± 0.00 | 0.00 ± 0.00 |