**Table 1** - Morphological characteristics, mean number and distribution of antennal sensilla of *Paussus favieri*. N=6.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Types** | **Length (μm)1** | **Diameter (μm)1** | **Projection (°)1** | **N2** | Tip | **Wall** | **Shape** | **Socket** | **Distribution3 and mean number of sensilla** | **Figures** |
| **Ch.1** | 53.07 ± 18.71 | 3.29 ± 0.84 | 61.94 ± 19.07 | 90 | multilobed | grooved | fishbone-like | tight | A1 (92) | 3A |
| **Ch.2** | 37.02 ± 7.65 | 2.50 ± 0.34 | 100.73 ± 19.77 | 46 | fringed | grooved | brush like | tight | PDM (26), DBS (19), MDA (23), AVM (16), PVM (6), VBS (6) | 3C, E − 4D |
| **Ch.3** | 91.31 ± 18.77 | 3.20 ± 0.49 | 87.31 ± 36.14 | 100 | branched | grooved | arborescent | wide | DBA (33), MDA (4), VBA (37), AVM (6) | 4C, E − 6A, B |
| **Ch.4** | 37.36 ± 12.76 | 2.15 ± 0.40 | 155.52 ± 11.90 | 20 | multilobed | grooved | twisted | tight | DBS (6), VBS (12), PVM (5) | 3C, E − 4A, D |
| **Ch.5** | 19.26 ± 6.38 | 1.40 ± 0.22 | 139.65 ± 27.92 | 80 | multilobed | smooth | furcate | tight | DBA (25), ADM (5), MDA (7), VBA (14), AVM (21) | 4E − 5E |
| **Ch.6** | 53.10 ± 5.04 | 5.48 ± 1.28 | - | 16 | sharp | grooved | sickle-shaped | tight | PDM (9) | 3E, F |
| **Ch.7** | 55.97 ± 8.32 | 3.04 ± 0.47 | - | 55 | tapered/ branched | smooth/ grooved | flexuous | tight | DBS (153), VBS (143) | 3C, D |
| **Ch.8** | 44.97 ± 10.73 | 2.43 ± 0.17 | 127.05 ± 14.50 | 32 | elongate, thin | grooved | whip-like | wide | MDA (24), DSA (5), MVA (11), VSA (6) | 5F |
| **Ch.9** | 56.91 ± 14.02 | 2.91 ± 0.64 | - | 38 | sharp | grooved | thorn-like | wide | DBA (11), ADM (6), MDA (14), DSA (13), AVM (3), VSA (17) | 4E − 5A, C, E − 6C, D |
| **Tr.1** | 13.51 ± 3.83 | 1.08 ± 0.20 | 162.36 ± 25.29 | 45 | blunt | smooth | flexuous | tight | DBA (3), ADM (16), DSA (8), VBA (5), AVM (5), VSA (16) | 4E − 5F |
| **Tr.2** | 20.77 ±4.36 | 1.86 ± 0.26 | 138.98 ± 19.89 | 57 | blunt | smooth | flexuous | tight | DBA (12), ADM (5), MDA (4), DSA (10), VBA (10), AVM (9), MVA (5), VSA (12) | 4E − 5A, E |
| **Ba.1** | 7.24 ± 1.45 | 1.51 ± 0.22 | 23.44 ± 14.65 | 238 | blunt | smooth | peg-like | tight | ADM (27), DSA (187), VBA (23), AVM (3), VSA (131) | 4E − 5A, C, E, F − 6E, F |
| **Ba.2** | 14.37 ± 4.00 | 1.76 ± 0.24 | 35.75 ± 16.41 | 280 | blunt | smooth | peg-like | tight | ADM (41), DSA (172), VBA (13), AVM (31), VSA (182) | 4E − 5A, C, E, F |
| **Ba.3** | 2.30 ± 0.80 | 1.51 ± 0.38 | - | 9 | blunt | smooth | conical | wide | DSA (3), VBA (1), AVM (2), VSA (3) | 5A, B |
| **Bo** | 4.02 ± 0.97 | 1.33 ± 0.29 | - | 32 | sharp | smooth | thorn-like | wide | A1 (100); A2 (40) | - |
|  | **Length of cap (μm)1** | **Diameter of cavity (μm)1** | **Diameter of dome (μm)1** |  |  |  |  |  |  |  |
| **Ca** | 1.15 ± 0.23 | 0.88 ± 0.19 | 4.38 ± 0.46 | 22 | sub-truncate | - | peg-like | wide | DSA (10), VBA (3), AVM (4), VSA (9) | 5C, D − 7E, F |
|  | - | **Diameter of pit orifice (μm)1** | **Diameter of plate (μm)1** |  |  |  |  |  |  |  |
| **Co** | - | 1.40 ± 0.34 | 7.78 ± 0.61 | 34 | conical | - | pit organ | - | DSA (14), VBA (5), AVM (4), VSA (9) | 4E, F − 5A, C, E − 7A − D |

1mean values ± SD

2number di sensilla measured

3acronyms refer to the antennal functional areas reported in Fig. 2