

| Female # | Brood cell # | Number of bees | Hydrocarbon type | Total amount of hydrocarbons [mg] | Relative amounts of hydrocarbons (in %) | | | | | | | | | | | | | | |
|----------|--------------|----------------|------------------|-----------------------------------|-----------------------------------------|------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|------|------|
| | | | | | C21 | C22 | C23:1 | C23 | M-C23 | C24:1 | C24 | C25:1 | M-C25 | C26:1 | C26 | C27:1 | C29:1 | C29 | |
| 3 | 2 | 2 | C25 | 0.09 | 0.00 | 0.00 | 0.00 | 16.18 | 0.00 | 0.00 | 0.00 | 83.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 | 1 | 1 | C25 | 5.17 | 0.16 | 0.20 | 0.87 | 17.99 | 0.27 | 2.39 | 0.18 | 75.45 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 0.00 | 0.46 |
| 3 | 4 | 2 | C25 | 4.05 | 0.17 | 0.22 | 0.86 | 18.51 | 0.27 | 2.36 | 0.21 | 75.11 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 0.00 | 0.43 |
| 3 | 5 | 2 | C25 | 6.14 | 0.10 | 0.20 | 0.98 | 17.36 | 0.24 | 2.42 | 0.23 | 75.67 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.58 |
| 3 | 6 | 1 | C25 | 2.95 | 0.05 | 0.15 | 0.72 | 17.44 | 0.41 | 2.10 | 0.25 | 76.97 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 0.00 | 0.30 |
| 3 | 7 | 1 | C25 | 2.70 | 0.13 | 0.20 | 1.04 | 17.42 | 0.30 | 2.40 | 0.26 | 76.07 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.30 |
| 3 | 8 | 1 | C25 | 4.88 | 0.12 | 0.24 | 1.38 | 16.78 | 0.31 | 2.56 | 0.24 | 75.86 | 0.18 | 0.00 | 0.00 | 0.00 | 2.05 | 0.00 | 0.28 |
| 3 | 9 | 1 | C25 | 2.62 | 0.15 | 0.21 | 1.03 | 17.92 | 0.29 | 2.22 | 0.19 | 75.75 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.00 |
| 3 | 10 | 2 | C25 | 5.58 | 0.07 | 0.15 | 1.09 | 16.35 | 0.22 | 2.39 | 0.26 | 77.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.30 |
| 3 | 11 | 2 | C25 | 3.51 | 0.07 | 0.16 | 0.98 | 17.53 | 0.30 | 2.18 | 0.29 | 76.22 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 0.00 | 0.39 |
| 3 | 12 | 2 | C25 | 4.99 | 0.10 | 0.18 | 1.38 | 17.10 | 0.30 | 2.44 | 0.24 | 76.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 0.00 | 0.22 |
| 3 | 13 | 1 | C25 | 2.32 | 0.11 | 0.20 | 1.23 | 18.12 | 0.43 | 2.19 | 0.27 | 75.79 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 0.00 | 0.00 |
| 3 | 14 | 1 | C25 | 2.23 | 0.23 | 0.28 | 1.26 | 18.76 | 0.34 | 2.26 | 0.30 | 74.62 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 0.00 | 0.00 |
| 4 | 1 | 1 | C27 | 0.89 | 0.24 | 0.37 | 0.00 | 23.18 | 0.00 | 0.28 | 0.37 | 14.51 | 0.00 | 1.80 | 0.00 | 56.47 | 1.41 | 1.37 | |
| 4 | 3 | 1 | C27 | 0.18 | 0.00 | 0.00 | 0.00 | 23.05 | 0.00 | 0.00 | 0.00 | 13.80 | 0.00 | 0.00 | 0.00 | 63.15 | 0.00 | 0.00 | |
| 4 | 4 | 1 | C27 | 0.54 | 0.00 | 0.00 | 0.00 | 21.07 | 0.00 | 0.00 | 0.00 | 12.63 | 0.00 | 1.82 | 0.00 | 64.49 | 0.00 | 0.00 | |
| 4 | 5 | 2 | C27 | 0.55 | 0.00 | 0.00 | 0.00 | 22.22 | 0.00 | 0.00 | 0.00 | 12.07 | 0.65 | 2.01 | 0.00 | 63.05 | 0.00 | 0.00 | |
| 4 | 6 | 2 | C27 | 0.45 | 0.00 | 0.00 | 0.00 | 21.45 | 0.00 | 0.00 | 0.00 | 12.83 | 0.00 | 1.75 | 0.00 | 61.60 | 0.79 | 1.59 | |
| 4 | 7 | 1 | C27 | 0.39 | 0.00 | 0.00 | 0.00 | 20.18 | 1.44 | 0.00 | 0.00 | 12.94 | 0.00 | 1.76 | 0.00 | 63.68 | 0.00 | 0.00 | |
| 9 | 8 | 1 | C25 | 0.24 | 0.00 | 0.00 | 0.00 | 17.69 | 0.00 | 1.35 | 0.00 | 80.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 9 | 1 | C25 | 1.23 | 0.20 | 0.31 | 0.48 | 18.25 | 0.41 | 2.17 | 0.30 | 75.04 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 0.00 | 0.41 |
| 9 | 10 | 1 | C25 | 1.34 | 0.21 | 0.28 | 0.48 | 17.88 | 0.41 | 2.27 | 0.30 | 75.24 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 0.00 | 0.32 |
| 9 | 11 | 1 | C25 | 2.09 | 0.19 | 0.27 | 0.49 | 17.58 | 0.36 | 2.25 | 0.26 | 75.10 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 0.00 | 0.32 |
| 9 | 12 | 1 | C25 | 3.31 | 0.16 | 0.25 | 0.50 | 17.26 | 0.32 | 2.35 | 0.27 | 75.89 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.37 |
| 9 | 14 | 1 | C25 | 1.48 | 0.22 | 0.27 | 0.41 | 17.65 | 0.45 | 2.01 | 0.26 | 76.27 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 0.00 | 0.20 |
| 9 | 15 | 2 | C25 | 1.93 | 0.16 | 0.24 | 0.44 | 17.16 | 0.43 | 2.24 | 0.33 | 76.50 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 0.00 | 0.27 |
| 9 | 16 | 2 | C25 | 1.95 | 0.19 | 0.24 | 0.45 | 17.29 | 0.48 | 2.20 | 0.26 | 75.72 | 0.00 | 0.00 | 0.00 | 0.00 | 2.60 | 0.00 | 0.57 |
| 9 | 17 | 1 | C25 | 1.30 | 0.25 | 0.28 | 0.41 | 17.54 | 0.55 | 2.00 | 0.28 | 76.48 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.18 |
| 9 | 18 | 1 | C25 | 2.32 | 0.13 | 0.21 | 0.39 | 16.97 | 0.59 | 1.98 | 0.29 | 77.37 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 0.00 | 0.00 |
| 9 | 19 | 2 | C25 | 3.00 | 0.14 | 0.19 | 0.36 | 16.55 | 0.42 | 1.99 | 0.24 | 77.94 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.24 |
| 9 | 20 | 1 | C25 | 1.14 | 0.19 | 0.21 | 0.35 | 16.40 | 0.53 | 1.45 | 0.38 | 80.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 21 | 2 | C25 | 2.82 | 0.14 | 0.17 | 0.38 | 16.44 | 0.22 | 2.05 | 0.21 | 78.06 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 0.00 | 0.33 |
| 9 | 22 | 1 | C25 | 2.60 | 0.09 | 0.14 | 0.39 | 15.89 | 0.43 | 2.04 | 0.28 | 78.57 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 0.00 | 0.31 |
| 9 | 23 | 1 | C25 | 0.94 | 0.12 | 0.30 | 0.34 | 16.59 | 0.90 | 1.51 | 0.29 | 78.54 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 0.00 | 0.00 |
| 9 | 24 | 1 | C25 | 1.36 | 0.17 | 0.31 | 0.44 | 17.87 | 0.65 | 2.03 | 0.30 | 76.22 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 0.00 | 0.00 |
| 9 | 25 | 1 | C25 | 2.21 | 0.10 | 0.23 | 0.37 | 17.05 | 0.73 | 1.97 | 0.32 | 77.31 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 |
| 9 | 26 | 1 | C25 | 0.09 | 0.00 | 0.00 | 0.00 | 19.55 | 0.00 | 0.00 | 0.00 | 80.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 | 27 | 1 | C25 | 1.58 | 0.16 | 0.24 | 0.39 | 18.82 | 0.54 | 2.05 | 0.33 | 74.82 | 0.00 | 0.00 | 0.00 | 0.00 | 2.30 | 0.00 | 0.34 |
| 9 | 28 | 1 | C25 | 1.07 | 0.23 | 0.24 | 0.37 | 18.52 | 0.87 | 1.84 | 0.40 | 75.19 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 0.00 | 0.00 |
| 9 | 29 | 1 | C25 | 2.40 | 0.18 | 0.20 | 0.35 | 18.79 | 0.54 | 1.91 | 0.30 | 75.79 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.00 |
| 9 | 30 | 1 | C25 | 2.49 | 0.14 | 0.21 | 0.38 | 18.11 | 0.37 | 2.06 | 0.25 | 75.91 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 0.00 | 0.43 |
| 10 | 2 | 1 | C25 | 2.57 | 0.18 | 0.28 | 0.74 | 17.51 | 0.30 | 2.30 | 0.24 | 75.74 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 0.31 |
| 10 | 3 | 1 | C25 | 0.42 | 0.00 | 0.00 | 0.00 | 19.74 | 0.00 | 1.35 | 0.00 | 78.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 5 | 1 | C25 | 2.57 | 0.18 | 0.29 | 0.91 | 18.25 | 0.26 | 2.33 | 0.26 | 73.95 | 0.33 | 0.00 | 0.00 | 0.00 | 2.78 | 0.00 | 0.46 |
| 10 | 6 | 1 | C25 | 6.07 | 0.15 | 0.27 | 1.07 | 16.89 | 0.25 | 2.45 | 0.27 | 74.50 | 0.18 | 0.24 | 0.00 | 0.00 | 3.44 | 0.00 | 0.28 |
| 10 | 7 | 2 | C25 | 2.40 | 0.19 | 0.28 | 0.98 | 19.10 | 0.35 | 2.34 | 0.27 | 74.54 | 0.00 | 0.00 | 0.00 | 0.00 | 1.72 | 0.00 | 0.22 |
| 10 | 8 | 2 | C25 | 3.93 | 0.16 | 0.25 | 0.94 | 19.46 | 0.32 | 2.21 | 0.24 | 74.39 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 0.00 | 0.36 |
| 10 | 9 | 2 | C25 | 2.71 | 0.17 | 0.27 | 1.01 | 18.94 | 0.29 | 2.14 | 0.23 | 74.96 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 0.00 | 0.21 |
| 10 | 10 | 1 | C25 | 5.02 | 0.19 | 0.30 | 1.34 | 17.82 | 0.35 | 2.47 | 0.26 | 74.23 | 0.44 | 0.15 | 0.00 | 0.00 | 2.11 | 0.00 | 0.34 |
| 10 | 11 | 1 | C25 | 4.45 | 0.15 | 0.27 | 1.32 | 17.89 | 0.31 | 2.45 | 0.30 | 74.44 | 0.32 | 0.00 | 0.00 | 0.00 | 2.17 | 0.00 | 0.39 |
| 10 | 12 | 1 | C25 | 5.92 | 0.20 | 0.31 | 1.57 | 19.94 | 0.26 | 2.49 | 0.28 | 72.21 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 0.00 | 0.39 |
| 10 | 13 | 1 | C25 | 0.41 | 0.00 | 0.00 | 0.00 | 21.92 | 0.00 | 1.48 | 0.00 | 75.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 14 | 1 | C25 | 2.19 | 0.24 | 0.26 | 1.18 | 20.44 | 0.57 | 2.00 | 0.30 | 73.68 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 0.00 |
| 10 | 15 | 1 | C25 | 1.15 | 0.22 | 0.33 | 1.13 | 19.94 | 0.68 | 1.86 | 0.36 | 75.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10 | 16 | 1 | C25 | 0.26 | 0.00 | 0.00 | 0.00 | 21.15 | 0.00 | 0.00 | 0.00 | 78.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12 | 1 | 2 | C25 | 2.73 | 0.15 | 0.24 | 0.53 | 19.61 | 0.24 | 2.15 | 0.25 | 75.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 0.00 | 0.33 |
| 12 | 2 | 2 | C25 | 2.16 | 0.13 | 0.27 | 0.66 | 19.35 | 0.41 | 2.28 | 0.22 | 75.02 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 0.00 | 0.00 |
| 12 | 3 | 1 | C25 | 1.45 | 0.15 | 0.21 | 0.55 | 19.19 | 0.51 | 1.77 | 0.30 | 76.03 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 0.00 | 0.00 |
| 12 | 4 | 2 | - | 0.00 | | | | | | | | | | | | | | | |
| 12 | 5 | 2 | C25 | 1.30 | 0.31 | 0.31 | 0.77 | 18.53 | 0.72 | 1.83 | 0.35 | 75.98 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 |
| 12 | 6 | 2 | C25 | 2.14 | 0.05 | 0.09 | 0.28 | 15.79 | 0.35 | 1.81 | 0.28 | 79.38 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 0.00 | 0.00 |
| 12 | 7 | 2 | C25 | 1.79 | 0.09 | 0.12 | 0.35 | 16.67 | 0.48 | 1.89 | 0.37 | 78.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.82 | 0.00 | 0.00 |
| 12 | 8 | 2 | C25 | 3.66 | 0.06 | 0.13 | 0.37 | 16.28 | 0.34 | 2.15 | 0.34 | 77.91 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.43 |
| 13 | 1 | 1 | C27 | 1.26 | 0.14 | 0.28 | 0.21 | 20.02 | 0.36 | 0.24 | 0.33 | 16.13 | 0.21 | 2.45 | 0.16 | 56.91 | 1.78 | 0.79 | |
| 13 | 2 | 2 | C27 | 3.44 | 0.23 | 0.22 | 0.14 | 20.67 | 0.24 | 0.21 | 0.26 | 15.04 | 0.16 | 2.34 | 0.00 | 58.35 | 1.47 | 0.68 | |
| 13 | 3 | 1 | C27 | 2.88 | 0.27 | 0.26 | 0.16 | 19.55 | 0.20 | 0.22 | 0.28 | 14.63 | 0.16 | 2.69 | 0.05 | 59.22 | 1.62 | 0.70 | |
| 13 | 4 | 1 | C27 | 1.72 | 0.24 | 0.26 | 0.12 | 20.49 | 0.32 | 0.17 | 0.26 | 13.93 | 0.21 | 2.54 | 0.13 | 58.63 | 1.86 | 0.84 | |
| 13 | 5 | 1 | C27 | 4.05 | 0.24 | 0.25 | 0.08 | 20.44 | 0.23 | 0.17 | 0.24 | 13.43 | 0.10 | 2.48 | 0.11 | 60.21 | 1.28 | 0.75 | |
| 13 | 6 | 1 | C27 | 3.90 | 0.37 | 0.31 | 0.09 | 22.10 | 0.32 | 0.21 | 0.29 | 13.98 | 0.12 | 2.70 | 0.10 | 56.58 | 2.16 | 0.67 | |
| 13 | 7 | 2 | C27 | 5.38 | 0.26 | 0.26 | 0.08 | 19.37 | 0.26 | | | | | | | | | | |