

Supplementary material - Toulzac *et al.* 2022. Soda maker for field anesthesia as a step towards a non-lethal identification of wild bees and other flower visitors.

Table S2. Anesthesia duration for specimens exposed more than 60 seconds to the CO₂. ITD: Inter-tegular distance. Temp: Air Temperature.

| Order | Species | Sex | Flower visited | Locality 1 | Locality 2 | Date | Voucher number | ITD (mm) | Temp (°C) | Protocol | Exposure (s) | Anesthesia (s) | Survival |
|-------------|---------------------------|-----|-----------------------------|---------------|-----------------------------------|---------|----------------|----------|-----------|----------|--------------|----------------|----------|
| Hymenoptera | <i>Apis mellifera</i> | F | <i>Erica carnea</i> | Paris | Jardin de la Faculte de Pharmacie | 15/3/21 | SP3.21.0038 | 4,172 | 11 | 1 | 120 | 301 | No |
| Hymenoptera | <i>Xylocopa violacea</i> | M | <i>Muscari neglectum</i> | Paris | Jardin de la Faculte de Pharmacie | 24/3/21 | SP3.21.HP.0011 | 8,389 | 22 | 1 | 120 | 0 | Yes |
| Hymenoptera | <i>Xylocopa violacea</i> | M | <i>Muscari neglectum</i> | Paris | Jardin de la Faculte de Pharmacie | 24/3/21 | SP3.21.HP.0011 | 8,389 | 20 | 1 | 120 | 301 | No |
| Hymenoptera | <i>Lasioglossum morio</i> | F | <i>Lamium purpureum</i> | Paris | Jardin de la Faculte de Pharmacie | 29/3/21 | SP3.21.0093 | 1,47 | 26 | 1 | 120 | 0 | Yes |
| Hymenoptera | <i>Lasioglossum morio</i> | F | <i>Arabis procurrens</i> | Paris | Jardin des plantes | 1/4/21 | SP3.21.0123 | 1,51 | 25 | 2 | 120 | 58 | Yes |
| Hymenoptera | <i>Lasioglossum morio</i> | F | <i>Arabis procurrens</i> | Paris | Jardin des plantes | 1/4/21 | SP3.21.0124 | 1,314 | 25 | 2 | 120 | 57 | Yes |
| Hymenoptera | <i>Osmia cornuta</i> | M | <i>Muscari neglectum</i> | Paris | Jardin des plantes | 15/3/21 | SP3.21.0032 | 4,083 | 14 | 1 | 120 | 201 | Yes |
| Hymenoptera | <i>Osmia cornuta</i> | M | <i>Erica carnea</i> | Paris | Jardin des plantes | 15/3/21 | SP3.21.0033 | 3,576 | 14 | 1 | 120 | 222 | Yes |
| Hymenoptera | <i>Osmia cornuta</i> | M | <i>Erica carnea</i> | Paris | Jardin des plantes | 15/3/21 | SP3.21.0034 | 3,9 | 14 | 1 | 120 | 220 | Yes |
| Hymenoptera | <i>Osmia cornuta</i> | M | <i>Erica carnea</i> | Paris | Jardin des plantes | 15/3/21 | SP3.21.0035 | 3,923 | 13 | 1 | 120 | 270 | Yes |
| Hymenoptera | <i>Osmia cornuta</i> | M | <i>Erica carnea</i> | Paris | Jardin des plantes | 15/3/21 | SP3.21.0036 | 3,996 | 12 | 1 | 120 | 301 | Yes |
| Hymenoptera | <i>Osmia cornuta</i> | M | <i>Lamium purpureum</i> | Paris | Jardin des plantes | 24/3/21 | SP3.21.0043 | 4,106 | 17 | 1 | 120 | 190 | Yes |
| Hymenoptera | <i>Osmia bicornis</i> | M | <i>Muscari neglectum</i> | Paris | Jardin de la Faculte de Pharmacie | 24/3/21 | SP3.21.0055 | 3,571 | 18 | 1 | 240 | 0 | Yes |
| Diptera | <i>Bombylius major</i> | F | <i>Muscari neglectum</i> | Paris | Jardin des plantes | 1/4/21 | SP3.21.0126 | 6,972 | 25 | 2 | 120 | 74 | Yes |
| Diptera | <i>Bombylius major</i> | F | <i>Glechoma hederacea</i> | Fontainebleau | Station d'Ecologie Forestiere | 2/4/21 | SP3.21.0132 | 6,511 | 20 | 2 | 120 | 71 | Yes |
| Diptera | <i>Bombylius major</i> | M | <i>Muscari neglectum</i> | Paris | Jardin des plantes | 1/4/21 | SP3.21.0121 | 4,758 | 25 | 2 | 120 | 79 | Yes |
| Diptera | <i>Bombylius major</i> | M | <i>Vinca major</i> | Fontainebleau | Station d'Ecologie Forestiere | 2/4/21 | SP3.21.0133 | 4,833 | 20 | 2 | 120 | 63 | Yes |
| Diptera | <i>Bombylius major</i> | M | <i>Vinca major</i> | Fontainebleau | Station d'Ecologie Forestiere | 2/4/21 | SP3.21.0137 | 6,426 | 20 | 2 | 120 | 76 | Yes |
| Diptera | <i>Bombylius major</i> | M | <i>Mahonia aquifolium</i> | Fontainebleau | Station d'Ecologie Forestiere | 2/4/21 | SP3.21.0139 | 6,197 | 16 | 2 | 120 | 81 | Yes |
| Diptera | <i>Bombylius major</i> | F | <i>Vinca major</i> | Fontainebleau | Station d'Ecologie Forestiere | 31/3/21 | SP3.21.0106 | 3,87 | 25 | 1 | 300 | 0 | Yes |
| Diptera | <i>Bombylius major</i> | F | <i>Glechoma hederacea</i> | Fontainebleau | Station d'Ecologie Forestiere | 31/3/21 | SP3.21.0102 | 5,356 | 21 | 1 | 600 | 0 | Yes |
| Diptera | <i>Bombylius major</i> | M | <i>Vinca major</i> | Paris | Jardin des plantes | 29/3/21 | SP3.21.0084 | 5,419 | 18 | 1 | 900 | 0 | Yes |
| Diptera | Syrphidae | | <i>Glechoma hederacea</i> | Paris | Jardin de la Faculte de Pharmacie | 1/4/21 | SP3.21.0113 | 3,287 | 24 | 2 | 120 | 160 | Yes |
| Diptera | Syrphidae | | <i>Mahonia aquifolium</i> | Fontainebleau | Station d'Ecologie Forestiere | 2/4/21 | SP3.21.0136 | 4,763 | 20 | 2 | 120 | 0 | Yes |
| Diptera | Syrphidae | | <i>Tussilago farfara</i> | Paris | Jardin de la Faculte de Pharmacie | 15/3/21 | SP3.21.HP.0006 | 3,126 | 16 | 1 | 120 | 0 | Yes |
| Diptera | Syrphidae | | <i>Tussilago farfara</i> | Paris | Jardin de la Faculte de Pharmacie | 15/3/21 | SP3.21.HP.0006 | 3,126 | 16 | 1 | 120 | 0 | Yes |
| Diptera | Syrphidae | | <i>Capture opportuniste</i> | Fontainebleau | Station d'Ecologie Forestiere | 31/3/21 | SP3.21.HP.0018 | 3,01 | 20 | 1 | 600 | 0 | Yes |
| Diptera | Syrphidae | | <i>Lamium purpureum</i> | Paris | Jardin de la Faculte de Pharmacie | 24/3/21 | SP3.21.0052 | 3,907 | 22 | 1 | 600 | 180 | No |
| Diptera | <i>Volucella sp.</i> | | <i>Capture opportuniste</i> | Fontainebleau | Station d'Ecologie Forestiere | 25/3/21 | SP3.21.HP.0013 | 6,851 | 14 | 1 | 300 | 0 | Yes |
| Diptera | Unidentified Brachycera | | <i>Ficaria verna</i> | Paris | Jardin des plantes | 1/4/21 | SP3.21.0129 | 2,246 | 25 | 2 | 120 | 61 | Yes |
| Diptera | Unidentified Brachycera | | <i>Erica carnea</i> | Fontainebleau | Station d'Ecologie Forestiere | 26/3/21 | SP3.21.0076 | 2,519 | 16 | 1 | 1800 | 0 | Yes |