

Table S1. Collection sites and GPS locations for ovitraps and BG-sentinel traps.

| Program | Trap | Code | X | Y |
|---------------|----------|------------|--------------|--------------|
| PRALGARVE_BGS | BGS | PALVIL_BGS | 37°05'36.7"N | 8°05'49.2"W |
| PRALGARVE_BGS | BGS | QTRBGS_17 | 37°04'39.1"N | 8°05'03.9"W |
| PRALGARVE_BGS | BGS | VGBGS_1 | 37°02'35.9"N | 8°02'34.8"W |
| PRALGARVE_BGS | BGS | VGBGS_4 | 37°02'39.7"N | 8°02'34.0"W |
| PRALGARVE_BGS | BGS | VGBGS_7 | 37°02'42.9"N | 8°02'41.3"W |
| PRALGARVE_BGS | BGS | VGBGS_8 | 37°02'43.0"N | 8°02'28.4"W |
| PRALGARVE_BGS | BGS | VSP_BGS | 37°05'29.7"N | 08°05'47.4"W |
| PRALGARVE_BGS | BGS | VSP_BGS2 | 37°05'34.6"N | 8°05'45.9"W |
| PRALGARVE_OV | Ovitraps | PALVIL_OV | 37°05'36.7"N | 8°05'49.2"W |
| PRALGARVE_OV | Ovitraps | PALVIL_OV6 | 37°05'32.1"N | 8°05'52.1"W |
| PRALGARVE_OV | Ovitraps | QTROV_17 | 37°04'39.1"N | 8°05'03.9"W |
| PRALGARVE_OV | Ovitraps | QTROV_29 | 37°04'54.9"N | 8°05'01.5"W |
| PRALGARVE_OV | Ovitraps | QTROV_30 | 37°04'36.3"N | 8°05'16.4"W |
| PRALGARVE_OV | Ovitraps | QTROV_31 | 37°04'48.0"N | 8°05'14.4"W |
| PRALGARVE_OV | Ovitraps | QTROV_32 | 37°04'23.4"N | 8°05'00.7"W |
| PRALGARVE_OV | Ovitraps | QTROV_33 | 37°04'16.7"N | 8°04'58.8"W |
| PRALGARVE_OV | Ovitraps | VGOV_1 | 37°02'35.9"N | 8°02'34.8"W |
| PRALGARVE_OV | Ovitraps | VGOV_10 | 37°02'49.5"N | 8°02'24.2"W |
| PRALGARVE_OV | Ovitraps | VGOV_11 | 37°02'40.7"N | 8°02'58.1"W |
| PRALGARVE_OV | Ovitraps | VGOV_12 | 37°02'41.1"N | 8°03'03.7"W |
| PRALGARVE_OV | Ovitraps | VGOV_13 | 37°02'26.4"N | 8°02'59.1"W |
| PRALGARVE_OV | Ovitraps | VGOV_14 | 37°02'15.7"N | 8°02'16.0"W |
| PRALGARVE_OV | Ovitraps | VGOV_15 | 37°02'31.1"N | 8°02'11.7"W |
| PRALGARVE_OV | Ovitraps | VGOV_16 | 37°02'35.8"N | 8°02'37.0"W |
| PRALGARVE_OV | Ovitraps | VGOV_18 | 37°03'39.6"N | 8°02'33.4"W |
| PRALGARVE_OV | Ovitraps | VGOV_19 | 37°02'50.4"N | 8°02'12.9"W |
| PRALGARVE_OV | Ovitraps | VGOV_2 | 37°02'35.8"N | 8°02'35.0"W |
| PRALGARVE_OV | Ovitraps | VGOV_20 | 37°02'48.6"N | 8°02'04.6"W |
| PRALGARVE_OV | Ovitraps | VGOV_21 | 37°02'31.0"N | 8°01'56.2"W |

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|--------------|---------|---------|--------------|--------------|
| PRALGARVE_OV | Ovitrap | VGOV_22 | 37°02'16.8"N | 8°02'10.1"W |
| PRALGARVE_OV | Ovitrap | VGOV_23 | 37°02'26.4"N | 8°02'11.2"W |
| PRALGARVE_OV | Ovitrap | VGOV_24 | 37°02'55.2"N | 8°02'58.2"W |
| PRALGARVE_OV | Ovitrap | VGOV_25 | 37°03'03.6"N | 8°03'04.8"W |
| PRALGARVE_OV | Ovitrap | VGOV_26 | 37°03'10.0"N | 8°03'14.0"W |
| PRALGARVE_OV | Ovitrap | VGOV_27 | 37°03'04.5"N | 8°03'25.2"W |
| PRALGARVE_OV | Ovitrap | VGOV_28 | 37°03'22.2"N | 8°03'32.0"W |
| PRALGARVE_OV | Ovitrap | VGOV_3 | 37°02'35.8"N | 8°02'33.7"W |
| PRALGARVE_OV | Ovitrap | VGOV_5 | 37°02'43.5"N | 8°02'32.8"W |
| PRALGARVE_OV | Ovitrap | VGOV_6 | 37°02'40.8"N | 8°02'33.8"W |
| PRALGARVE_OV | Ovitrap | VGOV_7 | 37°02'42.9"N | 8°02'41.3"W |
| PRALGARVE_OV | Ovitrap | VGOV_8 | 37°02'43.1"N | 8°02'27.3"W |
| PRALGARVE_OV | Ovitrap | VGOV_9 | 37°02'46.9"N | 8°02'47.5"W |
| PRALGARVE_OV | Ovitrap | VSP_OV | 37°05'29.7"N | 08°05'47.4"W |
| PRALGARVE_OV | Ovitrap | VSP_OV2 | 37°05'34.6"N | 8°05'45.9"W |

Table S2. Local average minimum and maximum temperatures and number of mosquitoes per month.

| | Average temperatures | | | | | | |
|--------------|----------------------|---------|---------|----------|-------------|-----------|------------|
| | Min T°C | Max T°C | Average | Eggs (N) | Females (N) | Males (N) | Adults (N) |
| January 2019 | 4,5 | 15,3 | 9,9 | | | | 0 |
| February | 4 | 17 | 10,5 | | | | 0 |
| March | 9,3 | 20 | 14,65 | | | | 0 |
| April | 11,2 | 20,9 | 16,05 | | | | 0 |
| May | 13,7 | 26,2 | 19,95 | | 1 | | 1 |
| June | 13,9 | 23,6 | 18,75 | | 1 | | 1 |
| July | 16,9 | 29,2 | 23,05 | 1075 | 32 | 18 | 50 |
| August | 18,7 | 29,5 | 24,1 | 4056 | 39 | 27 | 66 |
| September | 20 | 28,2 | 24,1 | 6949 | 38 | 26 | 64 |
| October | 15,6 | 23,3 | 19,45 | 4708 | 66 | 25 | 91 |
| November | 10,4 | 18,2 | 14,3 | 2131 | 74 | 9 | 83 |
| December | 11,4 | 18,1 | 14,75 | 85 | 3 | | 3 |

| | | | | | | | |
|--------------|-----|------|-------|--|--|--|---|
| January 2020 | 9,2 | 16,7 | 12,95 | | | | 0 |
|--------------|-----|------|-------|--|--|--|---|