**Table S1.** Sample specific information for collections and data used in this study

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Latitude** | **Longitude** | | | **County** | **Location** | | **Collection Date** | **Provider/**  **Data source1** | |
| -- | | -- | Laboratory | | CMAVE Cxq | Jul-20 | | Eva A. Buckner |
| 29.635 | | -82.360 | Alachua | | CMAVE | 9/9/2020 | | Alden Estep |
| 30.248 | | -85.895 | Bay | | Conservation | 8/12/2020 | | Mike Riles |
| 30.233 | | -85.878 | Bay | | Beach Parkway | 8/12/2020 | | Mike Riles |
| 25.992 | | -80.246 | Broward | | Shalimar | 11/4/2020 | | Tamara Hamilton |
| 25.986 | | -80.246 | Broward | | Tarpon | 9/30/2020 | | Tamara Hamilton |
| 26.014 | | -80.291 | Broward | | Pembroke Pines | 10/8/2020 | | Tamara Hamilton |
| 26.035 | | -80.177 | Broward | | Farragut | 11/4/20, 3/24/21, 4/6/21 | | Tamara Hamilton |
| 26.035 | | -80.178 | Broward | | 34th Ave | 11/4/20, 3/24/21 | | Tamara Hamilton |
| 26.069 | | -80.208 | Broward | | SR-7 | 3/24/2021 | | Tamara Hamilton |
| 30.013 | | -81.853 | Clay | | Middleburg | 6/23/2020 | | Alden Estep |
| 26.138 | | -81.796 | Collier | | Cambier Park | Jul-17 | | **Lucas et al 2020** |
| 26.116 | | -81.759 | Collier | | Sugden Park | Jun-18 | | **Lucas et al 2020** |
| 26.090 | | -81.726 | Collier | | Naples Manor | Jun-18 | | **Lucas et al 2020** |
| 26.158 | | -81.658 | Collier | | Landfill | Aug-17 | | **Lucas et al 2020** |
| 26.227 | | -81.672 | Collier | | Big Cypress Elem. | Jul-17 | | **Lucas et al 2020** |
| 26.210 | | -81.546 | Collier | | Palmetto Elem. | Jul-17 | | **Lucas et al 2020** |
| 26.265 | | -81.526 | Collier | | Sabal Palm Elem. | Jun-18 | | **Lucas et al 2020** |
| 30.531 | | -87.307 | Escambia | | W 9 Mile Rd | 4/11/2021 | | Kaylyn Cullen |
| 30.539 | | -87.283 | Escambia | | Lyman | 3/29/2021 | | Kaylyn Cullen |
| 30.546 | | -87.308 | Escambia | | Amanda | 4/8/2021 | | Kaylyn Cullen |
| 28.493 | | -82.555 | Hernando | | Spring Hill | 1/9/2020 | | S. Fisher-Grainger |
| 28.031 | | -82.125 | Hillsborough | | Oak Lawn Cemetery | 4/7/2021 | | Eva A. Buckner |
| 27.609 | | -80.497 | Indian River | | Farms WCD | 9/27/2020 | | Eva A. Buckner |
| 28.805 | | -81.534 | Lake | | Mt. Plymouth | 2021 | | Justin Walker |
| 26.673 | | -81.932 | Lee | | Cape Coral | 4/27/2020 | | Kara Tyler Julian |
| 26.714 | | -81.843 | Lee | | Bayshore | 7/8/2020 | | Kara Tyler Julian |
| 26.642 | | -81.862 | Lee | | Ft Myers | 7/28/2020 | | Kara Tyler Julian |
| 26.641 | | -81.998 | Lee | | Bonefish Grill | 3/22/2021 | | Kara Tyler Julian |
| 26.675 | | -81.795 | Lee | | Pine Ridge Condos | 3/19/2021 | | Kara Tyler Julian |
| 26.614 | | -81.608 | Lee | | LA Golf Course | 10/30/2020 | | Kara Tyler Julian |
| 26.457 | | -82.050 | Lee | | Causey Ct | 1/15/2021 | | Kara Tyler Julian |
| 26.567 | | -81.849 | Lee | | Corporate Park | 2/10/2021 | | Kara Tyler Julian |
| 26.605 | | -81.959 | Lee | | Academy & Veteran | 2/22/2021 | | Kara Tyler Julian |
| 26.352 | | -81.796 | Lee | | Highland Woods | 3/24/2021 | | Kara Tyler Julian |
| 26.416 | | -81.795 | Lee | | Shadow Wood | 4/7/2021 | | Kara Tyler Julian |
| 26.370 | | -81.801 | Lee | | Bernwood Drive | 4/9/2021 | | Kara Tyler Julian |
| 26.682 | | -81.805 | Lee | | Big Lots | 4/14/2021 | | Kara Tyler Julian |
| 25.517 | | -80.493 | Miami-Dade | | SW 268th St | 9/29/2021 | | **Unlu et al 2024** |
| 25.896 | | -80.126 | Miami-Dade | | Park Dr | 10/15/2020 | | **Unlu et al 2024** |
| 25.930 | | -80.216 | Miami-Dade | | NW 170th Terrace | 9/29/2020 | | **Unlu et al 2024** |
| 25.862 | | -80.313 | Miami-Dade | | W 44th St | 9/10/2020 | | **Unlu et al 2024** |
| 25.814 | | -80.226 | Miami-Dade | | NW 42nd St | 9/11/2020 | | **Unlu et al 2024** |
| 25.834 | | -80.129 | Miami-Dade | | Alton Rd | 10/14/2020 | | **Unlu et al 2024** |
| 25.446 | | -80.456 | Miami-Dade | | SE 24th Ct | 9/29/20, 10/1/20 | | **Unlu et al 2024** |
| 25.968 | | -80.214 | Miami-Dade | | NW 7th Ave | 9/29/2020 | | **Unlu et al 2024** |
| 25.636 | | -80.372 | Miami-Dade | | SW 110th Ave | 2020 | | **Unlu et al 2024** |
| 25.637 | | -80.294 | Miami-Dade | | SW 144th St | 8/21/20-9/2/20 | | **Unlu et al 2024** |
| 25.790 | | -80.206 | Miami-Dade | | NW 6th Pl | 7/30/2020 | | **Unlu et al 2024** |
| 25.805 | | -80.196 | Miami-Dade | | NW 30th St | 8/18/2020 | | **Unlu et al 2024** |
| 25.853 | | -80.131 | Miami-Dade | | Bay Dr | 8/12/20, 8/13/20 | | **Unlu et al 2024** |
| 25.588 | | -80.313 | Miami-Dade | | SW 193rd Lane | 8/31/20-9/02/20 | | **Unlu et al 2024** |
| 25.754 | | -80.337 | Miami-Dade | | SW 87th Pl | 9/8/20-9/9/20 | | **Unlu et al 2024** |
| 25.657 | | -80.285 | Miami-Dade | | Moss Ranch Rd | 8/5/2020 | | **Unlu et al 2024** |
| 25.812 | | -80.416 | Miami-Dade | | NW 41st St | 8/5/2021 | | **Unlu et al 2024** |
| 26.703 | | -80.060 | Palm Beach | | North St. | 9/9/2020 | | Steve Fazekas |
| 26.932 | | -80.118 | Palm Beach | | Delaware | 2/11/2020 | | Steve Fazekas |
| 26.882 | | -80.144 | Palm Beach | | Donald Ross Rd | 2/9/2021 | | Steve Fazekas |
| 26.526 | | -80.184 | Palm Beach | | Boyton | 3/16/2021 | | Steve Fazekas |
| 26.530 | | -80.104 | Palm Beach | | Old Boyton | 4/7/2021 | | Steve Fazekas |
| 26.809 | | -80.200 | Palm Beach | | Ibis Reserve | 3/16/2021 | | Steve Fazekas |
| 26.655 | | -80.182 | Palm Beach | | Lyons | 3/23/2021 | | Steve Fazekas |
| 26.529 | | -80.123 | Palm Beach | | Military Trail | 3/23/2021 | | Steve Fazekas |
| 26.660 | | -80.265 | Palm Beach | | New Castle | 2/23/2021 | | Steve Fazekas |
| 26.654 | | -80.221 | Palm Beach | | Shower Tree | 3/3/2021 | | Steve Fazekas |
| 26.608 | | -80.107 | Palm Beach | | Villas Santorini | 2/17/21, 3/30/21 | | Steve Fazekas |
| 28.251 | | -82.741 | Pasco | | Gulfside | 4/8/2021 | | Eva A. Buckner |
| 28.223 | | -82.722 | Pasco | | Creek Pub | 4/8/2021 | | Eva A. Buckner |
| 28.245 | | -82.736 | Pasco | | Seaforest | 2020 | | Agne Prasauskas |
| 28.214 | | -82.719 | Pasco | | Mockingbird | 2020 | | Agne Prasauskas |
| 28.273 | | -82.690 | Pasco | | Orchid Lake | 2020 | | Agne Prasauskas |
| 28.273 | | -82.677 | Pasco | | Blueberry | 2020 | | Agne Prasauskas |
| 28.031 | | -82.656 | Pinellas | | Oldsmar Sewer | 7/6/2020 | | Jason Stucke |
| 28.113 | | -82.767 | Pinellas | | North Hwy | 7/6/2020 | | Jason Stucke |
| 27.847 | | -82.672 | Pinellas | | Sawgrass Lake | 7/6/2020 | | Jason Stucke |
| 27.975 | | -82.765 | PInellas | | Clearwater Nursery | 7/6/2020 | | Jason Stucke |
| 27.726 | | -82.651 | Pinellas | | Lake Maggiore | 7/6/2020 | | Jason Stucke |
| 27.829 | | -82.748 | PInellas | | Cross Bayou | 7/6/2020 | | Jason Stucke |
| 28.152 | | -82.663 | Pinellas | | Keller WTF | 8/13/2020 | | Jason Stucke |
| 27.879 | | -82.804 | PInellas | | Walsingham Park | 8/13/2020 | | Jason Stucke |
| 28.208 | | -81.575 | Polk | | Davenport | 2020 | | Carl Boohene |
| 28.061 | | -81.503 | Polk | | Kissimmee | 2020 | | Carl Boohene |
| 27.895 | | -81.473 | Polk | | Lake Wales | 2020 | | Carl Boohene |
| 28.004 | | -81.960 | Polk | | "E" | 9/16/2020 | | Carl Boohene |
| 27.896 | | -81.850 | Polk | | Tire Center | 9/16/2020 | | Jackson Mosley |
| 29.657 | | -81.446 | St. Johns | | Light | 9/9/2020 | | Steven Peper |
| 29.763 | | -81.312 | St. Johns | | 6520 US Hwy 1 | 9/9/2020 | | Steven Peper |
| 27.505 | | -80.358 | St. Lucie | | Fairwinds | 6/15/2020 | | Sandy Jackson |
| 28.871 | | -80.854 | Volusia | | S. County St. | 9/9/2020 | | Miranda Tressler |
| 30.385 | | -86.351 | Walton | | San Destin | 8/13/2020 | | Cami Adams |
| 30.321 | | -86.141 | Walton | | Odessa | 9/9/2020 | | Cami Adams |
| 30.320 | | -86.135 | Walton | | Savannah St. | 9/9/2020 | | Cami Adams |
| 30.337 | | -86.165 | Walton | | MONETMONET2 | 9/9/2020 | | Cami Adams |
| 30.337 | | -86.165 | Walton | | MONETMONET | 8/13/2020 | | Cami Adams |
| 30.321 | | -86.139 | Walton | | Seaside | 8/13/2020 | | Cami Adams |
| 30.314 | | -86.088 | Walton | | Seagrove Beach | 7/22/2020 | | Cami Adams |

1 Samples from previous Florida *Culex quinquefasciatus* resistance studies included in analyses in this manuscript (Lucas et al 2020, Unlu et al 2023)