**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)