

Supplemental material for:

Nelson *et al.* 2023. Spotted-wing drosophila, *Drosophila suzukii* (Diptera: Drosophilidae), exhibits large-scale spatial genetic structure across Canada but not fruit host-associated genetic structure. The Canadian Entomologist.

Supplementary material, Table S1. Details of the 74 *D. suzukii* included in this study.

| ID code | Country | Province | Location | Latitude | Longitude | Plant host | Date emerged | Sex |
|----------------------------|---------|------------------|------------|-----------|-------------|---------------------|--------------|--------|
| SUM-DW1-1_SUM-DW1-1_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 08-10-2020 | female |
| SUM-DW1-2_SUM-DW1-2_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 08-10-2020 | female |
| SUM-DW2-3_SUM-DW2-3_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 19-10-2020 | female |
| SUM-DW1-7_SUM-DW1-7_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 08-10-2020 | male |
| SUM-DW2-8_SUM-DW2-8_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 19-10-2020 | female |
| SUM-DW2-9_SUM-DW2-9_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 19-10-2020 | female |
| SUM-DW2-12_SUM-DW2-12_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 19-10-2020 | male |
| SUM-DW1-13_SUM-DW1-13_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 08-10-2020 | male |
| SUM-DW2-14_SUM-DW1-14_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 19-10-2020 | female |
| SUM-DW2-15_SUM-DW1-15_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Cornus kousa</i> | 19-10-2020 | female |
| SUM-C2-5_SUM-C2-19_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Prunus avium</i> | 18-08-2020 | female |
| SUM-C1-6_SUM-C1-20_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Prunus avium</i> | 09-08-2020 | male |
| SUM-C1-7_SUM-C1-21_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Prunus avium</i> | 09-08-2020 | male |
| SUM-C2-10_SUM-C2-24_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Prunus avium</i> | 18-08-2020 | male |

| ID code | Country | Province | Location | Latitude | Longitude | Plant host | Date emerged | Sex |
|--------------------------|---------|------------------|------------|-----------|-------------|--------------------------|--------------|--------|
| SUM-C1-13_SUM-C1-27_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Prunus avium</i> | 09-08-2020 | male |
| SUM-C2-14_SUM-C2-28_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Prunus avium</i> | 18-08-2020 | male |
| SUM-C2-30_SUM-C2-30_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Prunus avium</i> | 18-08-2020 | female |
| SUM-C2-9_SUM-C2-23_Dsuz | Canada | British Columbia | Summerland | 49.566056 | -119.638397 | <i>Prunus avium</i> | 18-08-2020 | male |
| NS-BLK1-1_NS1_Dsuz | Canada | Nova Scotia | Kentville | 45.162394 | -64.5011944 | <i>Rubus fruticosus</i> | 08-09-2020 | female |
| NS-BLK2-4_NS4_Dsuz | Canada | Nova Scotia | Kentville | 45.162394 | -64.5011944 | <i>Rubus fruticosus</i> | 11-09-2020 | female |
| NS-BLK2-5_NS5_Dsuz | Canada | Nova Scotia | Kentville | 45.162394 | -64.5011944 | <i>Rubus fruticosus</i> | 11-09-2020 | female |
| NS-BLK1-7_NS7_Dsuz | Canada | Nova Scotia | Kentville | 45.162394 | -64.5011944 | <i>Rubus fruticosus</i> | 08-09-2020 | male |
| NS-BLK2-9_NS9_Dsuz | Canada | Nova Scotia | Kentville | 45.162394 | -64.5011944 | <i>Rubus fruticosus</i> | 11-09-2020 | male |
| NS-BLK2-10_NS10_Dsuz | Canada | Nova Scotia | Kentville | 45.162394 | -64.5011944 | <i>Rubus fruticosus</i> | 11-09-2020 | male |
| AG-E1-1_AG-E1-57_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 13-06-2020 | female |
| AG-E1-2_AG-E1-58_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 13-06-2020 | female |
| AG-E2-3_AG-E2-59_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 08-07-2020 | female |
| AG-E3-4_AG-E2-60_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 08-07-2020 | female |
| AG-E4-5_AG-E2-61_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 08-07-2020 | female |
| AG-E1-6_AG-E1-62_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 13-06-2020 | male |
| AG-E2-7_AG-E2-63_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 08-07-2020 | male |

| ID code | Country | Province | Location | Latitude | Longitude | Plant host | Date emerged | Sex |
|---------------------------|---------|------------------|----------|-----------|-------------|--------------------------|--------------|--------|
| AG-E2-8_AG-E2-64_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 08-07-2020 | male |
| AG-E3-9_AG-E2-65_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 08-07-2020 | male |
| AG-E2-12_AG-E1-68_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Sambucus racemosa</i> | 08-07-2020 | female |
| AG-R1-1_AG-R1-71_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 01-07-2020 | female |
| AG-R2-2_AG-R2-72_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 01-07-2020 | female |
| AG-R3-3_AG-R3-73_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 08-07-2020 | female |
| AG-R4-4_AG-R4-74_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 08-07-2020 | female |
| AG-R5-5_AG-R5-75_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 08-07-2020 | female |
| AG-R1-6_AG-R1-76_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 01-07-2020 | male |
| AG-R2-7_AG-R2-77_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 01-07-2020 | male |
| AG-R3-8_AG-R3-78_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 08-07-2020 | male |
| AG-R4-9_AG-R4-79_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 08-07-2020 | male |
| AG-R5-10_AG-R5-80_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus idaeus</i> | 08-07-2020 | male |
| AG-BLK1-1_AG-BLK1-85_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 19-08-2020 | female |
| AG-BLK2-2_AG-BLK2-86_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 19-08-2020 | female |
| AG-BLK3-3_AG-BLK3-87_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 19-08-2020 | female |
| AG-BLK4-4_AG-BLK4-88_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 26-08-2020 | female |

| ID code | Country | Province | Location | Latitude | Longitude | Plant host | Date emerged | Sex |
|-----------------------------|---------|------------------|----------|-----------|-------------|-------------------------|--------------------|--------|
| AG-BLK5-5_AG-BLK5-89_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 26-08-2020 | female |
| AG-BLK2-7_AG-BLK2-91_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 19-08-2020 | male |
| AG-BLK3-8_AG-BLK3-92_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 19-08-2020 | male |
| AG-BLK5-10_AG-BLK5-94_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 26-08-2020 | male |
| AG-BLK1-11_AG-BLK1-95_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 19-08-2020 | female |
| AG-BLK3-12_AG-BLK3-96_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus fruticosus</i> | 26-08-2020 | female |
| AG-HIM1-1_AG-HIM1-99_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 19-08-2020 | female |
| AG-HIM2-2_AG-HIM2-100_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 19-08-2020 | female |
| AG-HIM3-3_AG-HIM3-101_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 19-08-2020 | female |
| AG-HIM4-4_AG-HIM4-102_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 26-08-2020 | female |
| AG-HIM5-5_AG-HIM5-103_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 26-08-2020 | female |
| AG-HIM1-6_AG-HIM1-104_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 19-08-2020 | male |
| AG-HIM3-8_AG-HIM3-106_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 19-08-2020 | male |
| AG-HIM4-9_AG-HIM4-107_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 26-08-2020 | male |
| AG-HIM5-10_AG-HIM5-108_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 26-08-2020 | male |
| AG-HIM1-11_AG-HIM1-109_Dsuz | Canada | British Columbia | Agassiz | 49.241985 | -121.765744 | <i>Rubus armeniacus</i> | 19-08-2020 | female |
| ON-BLK1-1_ON-BLK1-113_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | female |
| ON-BLK1-2_ON-BLK1-114_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | female |
| ON-BLK1-3_ON-BLK1-115_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | female |

| ID code | Country | Province | Location | Latitude | Longitude | Plant host | Date emerged | Sex |
|-----------------------------|---------|----------|----------|----------|-----------|-------------------------|--------------------|--------|
| ON-BLK1-4_ON-BLK1-116_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | female |
| ON-BLK1-5_ON-BLK1-117_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | female |
| ON-BLK1-6_ON-BLK1-118_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | male |
| ON-BLK1-7_ON-BLK1-119_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | male |
| ON-BLK1-11_ON-BLK1-123_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | female |
| ON-BLK1-12_ON-BLK1-124_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | female |
| ON-BLK1-13_ON-BLK1-125_Dsuz | Canada | Ontario | Vineland | 43.17366 | -79.35599 | <i>Rubus fruticosus</i> | 08-2020 to 09-2020 | male |