**Metadata for NedStdDWV\_publish.csv, NedStdBQCV\_publish.csv, NedStdSBV\_publish.csv**

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Description: Records of which individual bees from four focal host species (*Apis mellifera*, *Bombus impatiens*, *Eucera pruinosa*, and *Lasioglossum* spp.) were positive when tested for the viral negative strand for deformed wing virus (DWV), black queen cell virus (BQCV), and sacbrood virus (SBV), respectively. All samples were randomly selected from samples that had the viral positive strand present for each virus respectively in the Disease\_Pos\_global\_publish.csv data set. All three data sets have matching headers, except for the virus specific headers indicated below.

Header descriptions (all three data sets)

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| Sample | Unique sample number for each individual in the study. These sample numbers match those found in PollinatorComm2015\_2016\_publish.csv |
| Transect.ID | Unique transect ID that indicates the site, year of collection, transect A B C or D, visit number to the site, and net or pan trap collected. All individuals collected from the same transect share a transect ID. These unique IDs match those found in PollinatorComm2015\_2016\_publish.csv |
| Individual.ID | Includes the transect ID with a sequential number for each sample. These unique IDs match those found in PollinatorComm2015\_2016\_publish.csv |
| Year | Year of sample collection, either 2015 or 2016 |
| Site | Unique site code for each of the 14 sites |
| Visit | Visit number to the site, each site was visited twice for this study. The first and second visit are indicated by “1” and “2”, respectively. |
| DateCollected | Date the sample was collected. |
| Type | Either “APIS” to indicate a managed, *Apis mellifera* sample, or “NON” to indicate a native bee and non-*Apis* sample. |
| SpeciesCode | Species identity code  APME = *Apis mellifera*  BOIM = *Bombus impatiens*  LASI = *Lasioglossum* spp.  PEPR = *Eucera pruinosa* (species was previously named *Peponapis pruinosa*) |
| GenusCode | Genus identity code  APIS = *Apis mellifera*  BOMB = *Bombus impatiens*  LASI = *Lasioglossum* spp.  PEPO = *Eucera pruinosa* (species was previously named *Peponapis pruinosa*) |
| DWV, BQCV, or SBV | Original test for the DWV, BQCV, or SBV positive strand for each sample, respectively. All samples had the positive-strand present (1). |
| S18Retest | We retested each sample for the presence of the 18S rRNA gene as a control to ensure that the RNA quality was still sufficient for detection of the viral negative strand. All samples were found to have the 18S gene detected (1). |
| NegDWV, NegBQCV, or NegSBV | Samples found to be positive (1) or negative (0) for the presence of the viral negative strand for DWV, BQCV, or SBV, respectively. |