Table S1: Clade distribution across regions and in our data set including summaries of most prevalent regions, and all other regions where clades were found

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| clade | Number clade | Percent clade in data | Major region | number clade in region | Percent clade in region | Percent region in all data | Other region |
| N1.H | 11 | 0.29 | NC | 5 | 45.45 | 11.53 | CAN,NC,IL,MN,SC |
| N1.A | 1 | 0.03 | NA | NA | NA | NA | CAN |
| N1.E | 1 | 0.03 | NA | NA | NA | NA | MEX |
| N1.E.1 | 18 | 0.48 | MEX | 18 | 100.00 | 1.94 | MEX |
| N1.P | 629 | 16.86 | IA | 111 | 17.65 | 29.14 | CAN,MEX,CRI,GTM,CUB,NC,OK,VA,AR,TX,WI,KS,UT,NE,TN,GA,PA,KY,IL,IN,IA,CO,OH,MO,MN,OR,SD |
| N1.C | 171 | 4.58 | CAN | 76 | 44.44 | 5.19 | CAN,NJ,AZ,WI,CO,OH,OK,MN,NE,KY,TN,IA,IL |
| N1.C.1 | 125 | 3.35 | NC | 43 | 34.40 | 11.53 | CAN,MEX,OR,NC,WI,OH,MO,MN,KY,OK,TN,KS,GA,CA,IL,IN,IA,MD,SD,TX |
| N1.C.1.1 | 22 | 0.59 | IA | 5 | 22.73 | 29.14 | OH,OK,MN,NE,CA,IL,IN,IA,TX,SD |
| N1.C.1.2 | 37 | 0.99 | CAN | 10 | 27.03 | 5.19 | CAN,NC,PA,MN,VA,KY,TN,AR,IL,IA,SD |
| N1.C.2 | 109 | 2.92 | NE | 36 | 33.03 | 3.63 | MEX,MN,CO,OH,OK,KS,NE,AR,IL,IN,IA,MO,TX,SD |
| N1.C.2.1 | 122 | 3.27 | NC | 90 | 73.77 | 11.53 | MS,MN,OH,MO,NC,UT,VA,IL,IN,IA,TX |
| N1.C.3 | 1230 | 32.98 | IA | 269 | 21.87 | 29.14 | MS,NC,OK,VA,AR,TX,AZ,WI,KS,NE,CA,PA,KY,ND,IN,IA,CO,OH,MO,MN,MI,SC,SD,IL |
| N1.C.3.1 | 711 | 19.06 | IA | 332 | 46.69 | 29.14 | KS,OK,VA,AR,TX,WI,NC,NE,TN,CA,PA,KY,IL,IN,IA,CO,OH,MO,MN,MI,SC,SD |
| N1.C.3.2 | 543 | 14.56 | IA | 324 | 59.67 | 29.14 | NC,OH,PA,MI,MO,MN,FL,NE,TN,KS,AR,IL,IN,IA,AL,OK,SD |