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| Supplementary Table (S4) | | | | | |
| **Genome type** | **Virus Order** | **Virus Family** | **Contig** | **Marker** | **Length (in amino acids)** |
| Single-stranded negative sense  RNA | **Articulavirales** | ***Orthomyxoviridae*** | **NODE\_A80\_length\_2514\_cov\_86.124744\_BlackFly5\_1** | **PB1** | **784** |
| Articulavirales | *Orthomyxoviridae* | lcl|ORF3:17:895 unnamed protein product | PA | 731 |
| Articulavirales | *Orthomyxoviridae* | lcl|ORF4:87:2408 unnamed protein product | PB2 | 773 |
|  | **Bunyavirales** | ***Phenuiviridae*** | **NODE\_A12\_length\_7086\_cov\_86.661863\_BlackFly32\_1** | **RdRp** | **2,362** |
|  | **Mononegavirales** | ***Mymonaviridae*** | **NODE\_A13\_length\_6106\_cov\_149.645547\_BlackFly53\_1** | **RdRp** | **1,981** |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A17\_length\_6601\_cov\_465.593961\_BlackFly42\_1 | RdRp | 1,955 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A18\_length\_5685\_cov\_9.652996\_BlackFly14\_2 | RdRp | 1,702 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A31\_length\_6512\_cov\_7.556799\_BlackFly27\_2 | RdRp | 1,955 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A32\_length\_6559\_cov\_78.586856\_BlackFly36\_1 | RdRp | 1,983 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A34\_length\_6125\_cov\_108.577381\_BlackFly36\_1 | RdRp | 1,963 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A34\_length\_6035\_cov\_14.203256\_BlackFly29\_2 | RdRp | 1,990 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A34\_length\_6165\_cov\_30.489488\_BlackFly15\_1 | RdRp | 1,952 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A38\_length\_6591\_cov\_431.321615\_BlackFly3\_2 | RdRp | 1,955 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A43\_length\_6547\_cov\_128.251932\_BlackFly16\_1 | RdRp | 1,964 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A5\_length\_6565\_cov\_59.212700\_BlackFly46\_1 | RdRp | 1,954 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A5\_length\_6589\_cov\_49.913084\_BlackFly7\_2 | RdRp | 1,955 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_A9\_length\_6173\_cov\_746.064961\_BlackFly34\_1 | RdRp | 1,952 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_B10\_length\_6922\_cov\_41.829511\_BlackFly21\_1 | RdRp | 1,961 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_B13\_length\_6545\_cov\_11.361163\_BlackFly28\_2 | RdRp | 1,955 |
|  | Mononegavirales | *Mymonaviridae* | NODE\_B18\_length\_5934\_cov\_5.686017\_BlackFly28\_1 | RdRp | 1,929 |
|  | **Mononegavirales** | ***Rhabdoviridae*** | **NODE\_A4\_length\_12404\_cov\_730.807901\_BlackFly44\_6** | **RdRp** | **2,158** |
|  | Mononegavirales | *Rhabdoviridae* | NODE\_A9\_length\_7353\_cov\_51.260033\_BlackFly32\_3 | RdRp | 2,056 |
| Single-stranded positive sense RNA | **Amarillovirales** | ***Flaviviridae*** | **NODE\_A20\_length\_12140\_cov\_876.354307\_BlackFly3\_2** | **RdRp** | **2,378** |
| **Martellivirales** | ***Virgaviridae*** | **NODE\_A21\_length\_7442\_cov\_187.677936\_BlackFly31\_2** | **RdRp** | **1988** |
| Martellivirales | *Virgaviridae* | NODE\_A72\_length\_3480\_cov\_5.864825\_BlackFly52\_1 | RdRp | 1114 |
|  | Martellivirales | *Virgaviridae* | NODE\_A98\_length\_3457\_cov\_10.257692\_BlackFly3\_1 | RdRp | 1117 |
|  | Martellivirales | *unclassified* | NODE\_A129\_length\_3095\_cov\_11.243870\_BlackFly3\_1 | RdRp | 1007 |
|  | **Picornavirales** | ***Dicistroviridae*** | **NODE\_A2\_length\_8468\_cov\_49.867835\_BlackFly8\_1** | **RdRp** | **1,636** |
|  | Picornavirales | *Dicistroviridae* | NODE\_A7\_length\_9770\_cov\_64.107810\_BlackFly14\_2 | RdRp | 2,047 |
|  | Picornavirales | *Dicistroviridae* | NODE\_B3\_length\_7409\_cov\_57.394299\_BlackFly58\_2 | RdRp | 2,037 |
|  | Picornavirales | *Dicistroviridae* | NODE\_A1\_length\_9828\_cov\_156.569377\_BlackFly18\_1 | RdRp | 2,912 |
|  | Picornavirales | *Dicistroviridae* | NODE\_A26\_length\_9752\_cov\_553.544393\_BlackFly3\_1 | RdRp | 2,909 |
|  | Picornavirales | *Iflaviridae* | NODE\_A58\_length\_9461\_cov\_11477.210038\_BlackFly19\_3 | RdRp | 2,253 |
|  | Picornavirales | *Iflaviridae* | NODE\_A11\_length\_9789\_cov\_221.877471\_BlackFly20\_2 | RdRp | 2,047 |
|  | Picornavirales | *Iflaviridae* | NODE\_A19\_length\_6633\_cov\_12.289353\_BlackFly9\_2 | RdRp | 1,914 |
|  | Picornavirales | unclassified | NODE\_A65\_length\_5008\_cov\_8.229568\_BlackFly16\_1 | RdRp | 1,621 |
|  | Tymovirales | *Tymoviridae* | NODE\_A16\_length\_6330\_cov\_198.071806\_BlackFly59\_3 | RdRp | 1723 |
| Double- stranded RNA | **Durnavirales** | ***Curvulaviridae*** | **NODE\_A173\_length\_2010\_cov\_51.992240\_BlackFly15\_1** | **RdRp** | **618** |
| Durnavirales | *Curvulaviridae* | NODE\_A267\_length\_1931\_cov\_141.413700\_BlackFly34\_1 | RdRp | 619 |
|  | Durnavirales | *Curvulaviridae* | NODE\_A126\_length\_1918\_cov\_9.357958\_BlackFly48\_1 | RdRp | 611 |
|  | Durnavirales | *Curvulaviridae* | NODE\_A46\_length\_1990\_cov\_101.941976\_BlackFly7\_1 | RdRp | 618 |
|  | Durnavirales | *Curvulaviridae* | NODE\_A334\_length\_1944\_cov\_15.004285\_BlackFly3\_1 | RdRp | 623 |
|  | Durnavirales | *Hypoviridae* | NODE\_A8\_length\_10084\_cov\_13.555011\_BlackFly42\_1 | RdRp | 3,253 |
|  | Durnavirales | *Hypoviridae* | NODE\_A4\_length\_10075\_cov\_1088.771954\_BlackFly34\_1 | RdRp | 3,007 |
|  | Durnavirales | *Hypoviridae* | NODE\_A5\_length\_9982\_cov\_254.326300\_BlackFly34\_2 | RdRp | 3,010 |
|  | Durnavirales | *Hypoviridae* | NODE\_A8\_length\_9358\_cov\_172.368387\_BlackFly21\_1 | RdRp | 3,010 |
|  | Durnavirales | *Partitiviridae* | NODE\_A86\_length\_2235\_cov\_11.887396\_BlackFly39\_1 | RdRp | 722 |
|  | Durnavirales | *Partitiviridae* | NODE\_A48\_length\_2205\_cov\_13.185150\_BlackFly58\_1 | RdRp | 717 |
|  | Durnavirales | *Partitiviridae* | NODE\_A110\_length\_2150\_cov\_63.313073\_BlackFly42\_1 | RdRp | 634 |
|  | Durnavirales | *Partitiviridae* | NODE\_A202\_length\_2043\_cov\_99.643947\_BlackFly34\_2 | RdRp | 526 |
|  | Durnavirales | *Partitiviridae* | NODE\_A159\_length\_2033\_cov\_112.146217\_BlackFly32\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A79\_length\_2007\_cov\_804.788601\_BlackFly35\_1 | RdRp | 573 |
|  | Durnavirales | *Partitiviridae* | NODE\_A198\_length\_1879\_cov\_765.825194\_BlackFly36\_1 | RdRp | 573 |
|  | Durnavirales | *Partitiviridae* | NODE\_A380\_length\_1848\_cov\_210.853190\_BlackFly3\_1 | RdRp | 538 |
|  | Durnavirales | *Partitiviridae* | NODE\_A29\_length\_1847\_cov\_169.840113\_BlackFly13\_2 | RdRp | 538 |
|  | Durnavirales | *Partitiviridae* | NODE\_A209\_length\_1830\_cov\_29.011979\_BlackFly39\_1 | RdRp | 596 |
|  | Durnavirales | *Partitiviridae* | NODE\_A174\_length\_1829\_cov\_31.160959\_BlackFly52\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A98\_length\_1820\_cov\_128.504303\_BlackFly35\_1 | RdRp | 587 |
|  | Durnavirales | *Partitiviridae* | NODE\_A62\_length\_1818\_cov\_54.396898\_BlackFly25\_1 | RdRp | 580 |
|  | Durnavirales | *Partitiviridae* | NODE\_A31\_length\_1810\_cov\_9.240046\_BlackFly13\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A114\_length\_1809\_cov\_199.748268\_BlackFly44\_1 | RdRp | 548 |
|  | Durnavirales | *Partitiviridae* | NODE\_B124\_length\_1787\_cov\_13.730409\_BlackFly49\_1 | RdRp | 566 |
|  | Durnavirales | *Partitiviridae* | NODE\_B26\_length\_1780\_cov\_34.506166\_BlackFly25\_1 | RdRp | 591 |
| Table S4 continued next page | |  |  |  |  |

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| **Genome type** | **Virus Order** | **Virus Family** | **Contig** | **Marker** | **Length (in amino**  **acids)** |
| Double- stranded RNA | Durnavirales | *Partitiviridae* | NODE\_A184\_length\_1776\_cov\_9.324897\_BlackFly52\_1 | RdRp | 556 |
| Durnavirales | *Partitiviridae* | NODE\_A104\_length\_1774\_cov\_7.255745\_BlackFly35\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A97\_length\_1768\_cov\_135.894737\_BlackFly38\_1 | RdRp | 544 |
|  | Durnavirales | *Partitiviridae* | NODE\_A351\_length\_1767\_cov\_24.762130\_BlackFly23\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A396\_length\_1766\_cov\_19.216104\_BlackFly14\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A210\_length\_1765\_cov\_86.571090\_BlackFly15\_1 | RdRp | 565 |
|  | Durnavirales | *Partitiviridae* | NODE\_A110\_length\_1763\_cov\_30.983393\_BlackFly20\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A259\_length\_1761\_cov\_107.861045\_BlackFly39\_1 | RdRp | 544 |
|  | Durnavirales | *Partitiviridae* | NODE\_A107\_length\_1758\_cov\_82.723974\_BlackFly53\_1 | RdRp | 552 |
|  | Durnavirales | *Partitiviridae* | NODE\_A120\_length\_1751\_cov\_62.507168\_BlackFly44\_2 | RdRp | 550 |
|  | Durnavirales | *Partitiviridae* | NODE\_A363\_length\_1745\_cov\_65.034772\_BlackFly23\_1 | RdRp | 550 |
|  | Durnavirales | *Partitiviridae* | NODE\_A285\_length\_1743\_cov\_23.954382\_BlackFly57\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A231\_length\_1741\_cov\_37.003005\_BlackFly36\_1 | RdRp | 537 |
|  | Durnavirales | *Partitiviridae* | NODE\_A100\_length\_1740\_cov\_280.728803\_BlackFly38\_1 | RdRp | 524 |
|  | Durnavirales | *Partitiviridae* | NODE\_A73\_length\_1739\_cov\_216.722623\_BlackFly58\_1 | RdRp | 553 |
|  | Durnavirales | *Partitiviridae* | NODE\_A314\_length\_1725\_cov\_57.185680\_BlackFly12\_1 | RdRp | 574 |
|  | Durnavirales | *Partitiviridae* | NODE\_A410\_length\_1716\_cov\_122.747407\_BlackFly31\_1 | RdRp | 540 |
|  | Durnavirales | *Partitiviridae* | NODE\_A162\_length\_1710\_cov\_31.935701\_BlackFly21\_1 | RdRp | 570 |
|  | Durnavirales | *Partitiviridae* | NODE\_A240\_length\_1709\_cov\_31.406250\_BlackFly36\_1 | RdRp | 569 |
|  | Durnavirales | *Partitiviridae* | NODE\_A201\_length\_1705\_cov\_94.342752\_BlackFly52\_1 | RdRp | 542 |
|  | Durnavirales | *Partitiviridae* | NODE\_A127\_length\_1683\_cov\_77.044209\_BlackFly53\_1 | RdRp | 541 |
|  | Durnavirales | *Partitiviridae* | NODE\_A77\_length\_1677\_cov\_105.438125\_BlackFly25\_1 | RdRp | 524 |
|  | Durnavirales | *Partitiviridae* | NODE\_A111\_length\_1675\_cov\_7.866708\_BlackFly38\_1 | RdRp | 527 |
|  | Durnavirales | *Partitiviridae* | NODE\_A130\_length\_1669\_cov\_19.113065\_BlackFly53\_1 | RdRp | 527 |
|  | Durnavirales | *Partitiviridae* | NODE\_A132\_length\_1665\_cov\_350.833753\_BlackFly53\_1 | RdRp | 525 |
|  | Durnavirales | *Partitiviridae* | NODE\_A134\_length\_1665\_cov\_11.067380\_BlackFly44\_1 | RdRp | 542 |
|  | Durnavirales | *Partitiviridae* | NODE\_A155\_length\_1664\_cov\_94.333333\_BlackFly30\_1 | RdRp | 542 |
|  | Durnavirales | *Partitiviridae* | NODE\_A545\_length\_1661\_cov\_23.316288\_BlackFly3\_1 | RdRp | 530 |
|  | Durnavirales | *Partitiviridae* | NODE\_A172\_length\_1639\_cov\_12.437900\_BlackFly21\_1 | RdRp | 518 |
|  | Durnavirales | *Partitiviridae* | NODE\_A319\_length\_1584\_cov\_18.215660\_BlackFly57\_1 | RdRp | 520 |
|  | Durnavirales | *Partitiviridae* | NODE\_A87\_length\_1611\_cov\_4.177314\_BlackFly58\_1 | RdRp | 524 |
|  | **Ghabrivirales** | ***Chrysoviridae*** | **NODE\_A32\_length\_3730\_cov\_489.809472\_BlackFly14\_1** | **RdRp** | **1,155** |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A81\_length\_3538\_cov\_17.490610\_BlackFly15\_1 | RdRp | 1,155 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A90\_length\_4022\_cov\_17.755894\_BlackFly16\_1 | RdRp | 1,199 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A105\_length\_3593\_cov\_28.345279\_BlackFly19\_1 | RdRp | 1,179 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A122\_length\_3103\_cov\_5.195968\_BlackFly19\_1 | RdRp | 1,034 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A34\_length\_3556\_cov\_80.237999\_BlackFly21\_1 | RdRp | 1,145 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A35\_length\_3548\_cov\_6.072313\_BlackFly21\_1 | RdRp | 1,170 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A36\_length\_3533\_cov\_13.183160\_BlackFly21\_1 | RdRp | 1,150 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A22\_length\_3531\_cov\_16.907933\_BlackFly22\_1 | RdRp | 1,157 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A60\_length\_3425\_cov\_43.181302\_BlackFly32\_1 | RdRp | 1,099 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A79\_length\_3103\_cov\_15.275611\_BlackFly32\_1 | RdRp | 1,033 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A30\_length\_3937\_cov\_206.069430\_BlackFly34\_2 | RdRp | 1,198 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A72\_length\_3612\_cov\_59.415559\_BlackFly36\_1 | RdRp | 1,143 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A73\_length\_3582\_cov\_43.001141\_BlackFly36\_1 | RdRp | 1,179 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A76\_length\_3952\_cov\_36.753806\_BlackFly3\_2 | RdRp | 1,199 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A89\_length\_3609\_cov\_46.639298\_BlackFly3\_1 | RdRp | 1,187 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A94\_length\_3559\_cov\_19.958932\_BlackFly3\_1 | RdRp | 1,130 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A38\_length\_3753\_cov\_88.126224\_BlackFly42\_1 | RdRp | 1,107 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A42\_length\_3612\_cov\_122.659689\_BlackFly42\_1 | RdRp | 1,155 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A56\_length\_3325\_cov\_7.737993\_BlackFly42\_1 | RdRp | 1,064 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A15\_length\_4136\_cov\_764.853905\_BlackFly45\_3 | RdRp | 1,198 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A19\_length\_3430\_cov\_85.805846\_BlackFly58\_1 | RdRp | 1,089 |
|  | Ghabrivirales | *Chrysoviridae* | NODE\_A50\_length\_3522\_cov\_10.012772\_BlackFly6\_1 | RdRp | 1,164 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A124\_length\_2553\_cov\_67.025040\_BlackFly15\_1 | RdRp | 815 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A31\_length\_4350\_cov\_17.000000\_BlackFly20\_2 | RdRp | 812 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A20\_length\_5097\_cov\_25.985060\_BlackFly21\_1 | RdRp | 827 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A72\_length\_2502\_cov\_45.657732\_BlackFly21\_1 | RdRp | 806 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A46\_length\_2543\_cov\_28.626521\_BlackFly22\_1 | RdRp | 822 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A163\_length\_2408\_cov\_31.861862\_BlackFly23\_1 | RdRp | 802 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A46\_length\_4493\_cov\_25.871603\_BlackFly27\_1 | RdRp | 822 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A192\_length\_2545\_cov\_7.547002\_BlackFly28\_1 | RdRp | 827 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A69\_length\_3288\_cov\_21.030209\_BlackFly29\_1 | RdRp | 1,078 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A190\_length\_2584\_cov\_14.035501\_BlackFly31\_1 | RdRp | 828 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A38\_length\_5581\_cov\_1732.139353\_BlackFly31\_1 | RdRp | 839 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A63\_length\_3392\_cov\_35.634389\_BlackFly32\_1 | RdRp | 1,111 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A15\_length\_4975\_cov\_60.147203\_BlackFly34\_1 | RdRp | 823 |
| Table S4 continued next page | |  |  |  |  |

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| **Genome type** | **Virus Order** | **Virus Family** | **Contig** | **Marker** | **Length (in amino acids)** |
| Double- stranded RNA | Ghabrivirales | *Totiviridae* | NODE\_A66\_length\_2730\_cov\_226.715040\_BlackFly34\_2 | RdRp | 840 |
| Ghabrivirales | *Totiviridae* | NODE\_A16\_length\_5057\_cov\_35.874900\_BlackFly35\_2 | RdRp | 835 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A116\_length\_2718\_cov\_179.440742\_BlackFly36\_2 | RdRp | 837 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A75\_length\_3505\_cov\_41.815636\_BlackFly36\_1 | RdRp | 1,132 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A27\_length\_5028\_cov\_440.835791\_BlackFly42\_2 | RdRp | 819 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A30\_length\_4579\_cov\_121.361173\_BlackFly42\_2 | RdRp | 825 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A82\_length\_2646\_cov\_351.216037\_BlackFly42\_2 | RdRp | 833 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A127\_length\_4626\_cov\_39.580567\_BlackFly49\_2 | RdRp | 850 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A51\_length\_3364\_cov\_8.721631\_BlackFly6\_1 | RdRp | 1,112 |
|  | Ghabrivirales | *Totiviridae* | NODE\_A34\_length\_2658\_cov\_107.881441\_BlackFly7\_1 | RdRp | 839 |
| Single-stranded DNA | **Geplafuvirales** | ***Genomoviridae*** | **NODE\_A121\_length\_2323\_cov\_10.245325\_BlackFly34** | **Rep** | **250** |
| Geplafuvirales | *Genomoviridae* | NODE\_A220\_length\_2312\_cov\_60.354362\_BlackFly57 | Rep | 250 |
|  | Geplafuvirales | *Genomoviridae* | NODE\_A227\_length\_2255\_cov\_3.199725\_BlackFly3 | Rep | 250 |
|  | Geplafuvirales | *Genomoviridae* | NODE\_A46\_length\_2087\_cov\_10.153234\_BlackFly25 | Rep | 298 |
|  | **Piccovirales** | ***Parvoviridae*** | **NODE\_A18\_length\_5952\_cov\_17.926638\_BlackFly39** | **NS1** | **251** |
|  | Piccovirales | *Parvoviridae* | NODE\_A3\_length\_6542\_cov\_340.675793\_BlackFly8 | NS1 | 573 |
|  | Piccovirales | *Parvoviridae* | NODE\_A5\_length\_5036\_cov\_612.403481\_BlackFly33 | NS1 | 624 |
|  | Piccovirales | *Parvoviridae* | NODE\_A71\_length\_4709\_cov\_14.350820\_BlackFly43 | NS1 | 642 |
| **Table S4:** Summary of nearly complete virus-related scaffolds recovered in this study in blackfly pools. | | | | |  |