**Supplementary data**

**Table S1**: Nucleotide accession numbers for sequences used in phylogenetic analysis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Species** | **Serotype** | **Isolate or strain** | **Abbreviation** | **GenBank nucleotide accession no.** | **Segment (Protein)** |
| ***African Horse sickness virus (AHSV)*** | Serotype-1 | HS29/62 | AHSV1 | FJ183364 | Seg-1 (RdRp) |
| Serotype-1 |  | AHSV1 | AM883166 | Seg-3 (T2) |
| Serotype-9 | E00605 | AHSV | HM035361 | T13 |
| ***Bluetongue*** *viru****s (BTV)*** | Serotype-6 | USA2006/01 | BTV-6w | GQ506536 | Seg-1 (RdRp) |
| Serotype-12 | BTV12/PT/2003 | BTV-12e | GU390658 | Seg-1 (RdRp) |
| Serotype-25 | TOV | TOV | GQ982522 | Seg-1 (RdRp) |
| Serotype-26 | KUW2010/02 | BTV-26 | JN255156 | Seg-1 (RdRp) |
| Serotype-1 | GRE2001/05 | BTV-1e | DQ186822 | Seg-3 (T2) |
| Serotype-2 | TUN2000/01 | BTV-2w | DQ186826 | Seg-3 (T2) |
| Serotype-25 | TOV | TOV | GQ982523 | Seg-3 (T2) |
| Serotype-26 | KUW2010/02 | BTV-26 | HM590643 | Seg-3 (T2) |
| Serotype-15 |  | BTV-15e | L11723 | Seg-7 (T13) |
| Serotype-6 | USA2006/01 | BTV-6w | GQ506542 | Seg-7 (T13) |
| Serotype-25 | TOV | TOV | EU839843 | Seg-7 (T13) |
| Serotype-26 | KUW2010/02 | BTV-26 | HM590644 | Seg-7 (T13) |
| ***Corriparta virus (CORV)*** | Corriparta virus | MRM1 | CORV | AF530086**\*** | Seg-3 (T2) |
| ***Epizootic Haemorrhagic disease virus (EHDV)*** | Serotype-1 | USA1955/01 | EHDV-1w | AM744977 | Seg-1 (RdRp) |
| Serotype-2 | AUS1979/05 | EHDV-2e | AM744987 | Seg-1 (RdRp) |
| Serotype-2 | CAN1962/01 | EHDV-2w | AM744999 | Seg-3 (T2) |
| Serotype-5 | AUS1977/01 | EHDV-5e | AM745029 | Seg-3 (T2) |
| Serotype-2 | CAN1962/01 | EHDV-2w | AM745003 | Seg-7 (T13) |
| Serotype-2 | AUS1979/01 | EHDV-2e | AM744993 | Seg-7 (T13) |
| ***Equine encephalosis virus(EEV)*** | Bryanston | HS103/06 | EEV | FJ183384 | Seg-1 (RdRp) |
| Bryanston | HS103/06 | EEV | FJ183386 | Seg-3 (T2) |
| Bryanston | HS103/06 | EEV | FJ183391 | Seg-7 (T13) |
| ***Eubenangee virus (EUBV)*** | Eubenangee virus | In 1074 | EUBV | AF530087**\*** | Seg-3 (T2) |
| ***Great Island virus(GIV)*** | Great Island virus | CanAr 42 | GIV | HM543465 | Seg-1 (RdRp) |
| Great Island virus | CanAr 42 | GIV | HM543466 | Seg-2 (T2) |
| Great Island virus | CanAr 42 | GIV | HM543471 | Seg-7 (T13) |
| Broadhaven virus |  | BRDV | M87875 | Seg-2 (T2) |
| Broadhaven virus |  | BRDV | M87876 | Seg-7 (T13) |
| Kemorovo virus | EgAn 1169-61 | KEMV | HM543481 | Seg-1 (RdRp) |
| Kemorovo virus | EgAn 1169-61 | KEMV | HM543482 | Seg-2 (T2) |
| Lipovnik | CzArLip 91 | LIPV | HM543475 | Seg-1 (RdRp) |
| Lipovnik virus | CzArLip 91 | LIPV | HM543476 | Seg-2 (T2) |
| Tribec virus |  | TRBV | HM543478 | Seg-1 (RdRp) |
| Tribec virus |  | TRBV | HM543479 | Seg-2 (T2) |
| ***Palyam virus (PALV)*** | Chuzan virus |  | CHUV | NC\_005990 | Seg-1 (RdRp) |
| Chuzan virus |  | CHUV | NC\_005989 | Seg-3 (T2) |
| D'Aguilar virus | D'Aguilar B8112 | DAGV | AF530085**\*** | Seg-3 (T2) |
| Chuzan virus |  | CHUV | NC\_005988 | Seg-7 (T13) |
| ***Peruvian Horse sickness virus (PHSV)*** | PHSV |  | PHSV | DQ248057 | Seg-1 (RdRp) |
| PHSV |  | PHSV | NC\_007749 | Seg-2 (T2) |
| PHSV |  | PHSV | NC\_007754 | Seg-8 (T13) |
| ***St Croix River virus (SCRV)*** | St Croix River virus |  | SCRV | NC\_005997 | Seg-1 (RdRp) |
| St Croix River virus |  | SCRV | AF133432 | Seg-2 (T2) |
| St Croix River virus |  | SCRV | NC\_006004 | Seg-8 (T13) |
| ***Umatilla virus*** | Umatilla virus | USA1969/01 | UMAV | HQ842619 | Seg-1 (RdRp) |
| Umatilla virus | USA1969/01 | UMAV | HQ842620 | Seg-2 (T2) |
| Umatilla virus | USA1969/01 | UMAV | HQ842626 | Seg-8 (T13) |
| ***Wallal virus (WALV)*** | Wallal virus | Ch 12048 | WALV | AF530084**\*** | Seg-3 (T2) |
| ***Warrego virus (WARV)*** | Warrego virus | Ch 9935 | WARV | AF530083**\*** | Seg-3 (T2) |
| Warrego virus | V5080 | V5080 | EF213555**\*** | Seg-3 (T2) |
| ***Wongorr virus (WGRV)*** | Wongorr virus | V195 | WGRV195 | U56990**\*** | Seg-3 (T2) |
| Wongorr virus | V199 | WGRV199 | U56991**\*** | Seg-3 (T2) |
| Wongorr virus | MRM13443 | MRM13443 | U56992**\*** | Seg-3 (T2) |
| Wongorr virus | Paroo River virus | PARV | U56993**\*** | Seg-3 (T2) |
| Wongorr virus | Picola virus | PIAV | U56994**\*** | Seg-3 (T2) |
| ***Yunnan Orbivirus (YUOV)*** | YUOV | YOV-77-2 | YUOV | AY701509 | Seg-1 (RdRp) |
| YUOV | YOV-77-2 | YUOV | NC\_007657 | Seg-2 (T2) |
| Middle Point Orbivirus | DPP4440 | MPOV | EF591620 | Seg-2 (T2) |
| YUOV | YOV-77-2 | YUOV | NC\_007663 | Seg-7 (T13) |
| Stretch Lagoon Orbivirus (SLOV) | SLOV | K49460 | SLOV | EU718676 | Seg-1 (RdRp) |
| SLOV | K49460 | SLOV | EU718677 | Seg-2 (T2) |

\* : Partial sequences only