**Supplementary data**

**Table S2**: Percent aa identity of EUBV, TILV and PATAV Polymerase (Pol) protein with other orbiviruses

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **EUBV** | **TILV** | **PATA** | **Vector** |
| EUBV/AUS1963/01 | 100.00 | 92.12 | 64.98 | Culicoides |
| TILV/AUS1978/03 | 92.12 | 100.00 | 64.67 |
| PATA/CAF1968/01 | 64.98 | 64.67 | 100.00 |
| BTV6w/GQ506536 | 63.41 | 63.18 | 70.25 |
| BTV12e/GU390658 | 63.49 | 63.11 | 70.25 |
| TOV/GQ982522 | 63.49 | 62.57 | 68.72 |
| BTV26/ JN255156 | 63.49 | 62.87 | 69.33 |
| EHDV2e/AM744987 | 64.26 | 63.87 | 72.10 |
| EHDV1w/AM744977 | 63.26 | 63.64 | 72.41 |
| AHSV1/FJ183364 | 58.48 | 58.86 | 59.35 |
| EEV/FJ183384 | 52.03 | 52.49 | 54.43 |
| CHUV/NC\_005990 | 57.39 | 57.62 | 57.64 |
| YUOV/AY701509 | 45.88 | 45.42 | 45.83 | Mosquitoes |
| SLOV/EU718676 | 45.61 | 46.08 | 48.95 |
| UMAV/ HQ842619 | 46.54 | 46.70 | 49.88 |
| PHSV/DQ248057 | 47.18 | 46.80 | 46.90 |
| GIV/HM543465 | 47.26 | 47.26 | 47.29 | Ticks |
| KEMV/HM543481 | 47.18 | 47.18 | 47.05 |
| LIPV/HM543475 | 46.51 | 46.12 | 46.61 |
| TRBV/HM543478 | 46.12 | 46.12 | 46.38 |
| SCRV/NC\_005997 | 36.08 | 36.63 | 36.90 | Tick (hosts) |