**Table S4.** The classification of species and subspecies based on phylogenetic analysis and Dot plot analysis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Isolates | Classification methodologies | | | |
| CV method | NJ method (44 core genes) | NJ method (24 core genes) | Dot plot analysis |
| ADRV-KC865735 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| ATV-AY150217 | EHNV-like | EHNV-like | EHNV-like | EHNV-like |
| BIV-KX185156 | FV3-like | FV3-like | FV3-like | FV3-like |
| CGSIV-KF033124 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| CGSIV-KF512820 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| CH8/96-KP266741 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| CMTV-JQ231222 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| CMTV-KP056312 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| CoIV-KX574342 | EHNV-like | EHNV-like | EHNV-like | EHNV-like |
| EHNV-FJ433873 | EHNV-like | EHNV-like | EHNV-like | EHNV-like |
| ESV-JQ724856 | EHNV-like | EHNV-like | EHNV-like | EHNV-like |
| FV3-AY548484 | FV3-like | FV3-like | FV3-like | FV3-like |
| FV3-KJ175144 | FV3-like | FV3-like | FV3-like | FV3-like |
| GGRV-KP266742 | FV3-like | FV3-like | FV3-like | FV3-like |
| GIV-AY666015 | GIV-like | GIV-like | GIV-like | GIV-like |
| PEV-MF538627 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| PPIV-KX574341 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| RCV-Z2-MF187209 | FV3-like | FV3-like | FV3-like | FV3-like |
| RCV-Z-MF187210 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| REV-MF538628 | CMTV-like | CMTV-like | CMTV-like | CMTV-like |
| RGV-JQ654586 | FV3-like | FV3-like | FV3-like | FV3-like |
| Rmax-KX574343 | EHNV-like | EHNV-like | EHNV-like | EHNV-like |
| RNRV-MG791866 | FV3-like | FV3-like | FV3-like | FV3-like |
| SERV-KX353311 | EHNV-like | EHNV-like | EHNV-like | EHNV-like |
| SGIV-AY521625 | GIV-like | GIV-like | GIV-like | GIV-like |
| STIV-EU627010 | FV3-like | FV3-like | FV3-like | FV3-like |
| TCA-MG953518 | FV3-like | FV3-like | FV3-like | FV3-like |
| TFV-AF389451 | FV3-like | FV3-like | FV3-like | FV3-like |
| TMRV01-MG953519 | FV3-like | FV3-like | FV3-like | FV3-like |
| TMRV02-MG953520 | FV3-like | FV3-like | FV3-like | FV3-like |
| ToRV-KP266743 | - | - | - | CMTV-like |
| ZRV-MK227779 | FV3-like | FV3-like | FV3-like | FV3-like |