new species
new species in new genus
new species in new genus in new subfamily
current
40
60
80
100
Alphapapillomavirus 9
Alphapapillomavirus 11
Alphapapillomavirus 12
Alphapapillomavirus 13
Alphapapillomavirus 8
Alphapapillomavirus 10
Alphapapillomavirus 1
Alphapapillomavirus 6
Alphapapillomavirus 5
Alphapapillomavirus 7
Alphapapillomavirus 4
Alphapapillomavirus 14
Alphapapillomavirus 3
Alphapapillomavirus 2
Dyoomikronpapillomavirus 1
Dyopipapillomavirus 1
Dyodeltapapillomavirus 1
Omegapapillomavirus 1
Treisiotapapillomavirus 1
Upsilonpapillomavirus 3
Upsilonpapillomavirus 2
Upsilonpapillomavirus 1
Omikronpapillomavirus 1
Betapapillomavirus 4
Betapapillomavirus 5
Betapapillomavirus 3
Betapapillomavirus 2
Betapapillomavirus 1
Betapapillomavirus 6
Dyolambdapapillomavirus 1
Dyoetapapillomavirus 1
Gammapapillomavirus 4
Gammapapillomavirus 25
Gammapapillomavirus 18
Gammapapillomavirus 22
Gammapapillomavirus 23
Gammapapillomavirus 16
Gammapapillomavirus 9
Gammapapillomavirus 11
Gammapapillomavirus 13
Gammapapillomavirus 15
Gammapapillomavirus 14
Gammapapillomavirus 2
Gammapapillomavirus 3
Gammapapillomavirus 12
Gammapapillomavirus 21
Gammapapillomavirus 19
Gammapapillomavirus 5
Gammapapillomavirus 26
Gammapapillomavirus 8
Gammapapillomavirus 17
Gammapapillomavirus 24
Gammapapillomavirus 1
Gammapapillomavirus 20
Gammapapillomavirus 27
Gammapapillomavirus 10
Gammapapillomavirus 7
Gammapapillomavirus 6
Treisetapapillomavirus 1
Pipapillomavirus 1
Pipapillomavirus 2
Dyoxipapillomavirus 1
Dyoxipapillomavirus 2
Taupapillomavirus 3
Taupapillomavirus 4
Taupapillomavirus 2
Taupapillomavirus 1
Phipapillomavirus 1
Treisthetapapillomavirus 1
Xipapillomavirus 4
Xipapillomavirus 5
Xipapillomavirus 2
Xipapillomavirus 1
Xipapillomavirus 3
Dyokappapapillomavirus 5
Dyokappapapillomavirus 4
Dyokappapapillomavirus 3
Dyokappapapillomavirus 2
Dyokappapapillomavirus 1
Treisdeltapapillomavirus 1
Dyopsipapillomavirus 1
Dyotaupapillomavirus 1
Dyoupsilonpapillomavirus 1
Sigmapapillomavirus 1
Nupapillomavirus 1
Kappapapillomavirus 2
Kappapapillomavirus 1
Dyosigmapapillomavirus 1
Mupapillomavirus 3
Mupapillomavirus 2
Mupapillomavirus 1
Dyophipapillomavirus 1
Lambdapapillomavirus 2
Lambdapapillomavirus 3
Lambdapapillomavirus 5
Lambdapapillomavirus 1
Lambdapapillomavirus 4
Rhopapillomavirus 1
Rhopapillomavirus 2
Dyomupapillomavirus 1
Iotapapillomavirus 2
Iotapapillomavirus 1
Dyothetapapillomavirus 1
Treiskappapapillomavirus 1
Zetapapillomavirus 1
Dyoiotapapillomavirus 1
Dyoiotapapillomavirus 2
Dyorhopapillomavirus 1
Dyonupapillomavirus 1
Chipapillomavirus 2
Chipapillomavirus 1
Chipapillomavirus 3
Dyoomegapapillomavirus 1
Psipapillomavirus 3
Psipapillomavirus 2
Psipapillomavirus 1
Dyochipapillomavirus 1
Epsilonpapillomavirus 2
Epsilonpapillomavirus 1
Deltapapillomavirus 6
Deltapapillomavirus 7
Deltapapillomavirus 4
Deltapapillomavirus 3
Deltapapillomavirus 5
Deltapapillomavirus 2
Deltapapillomavirus 1
Etapapillomavirus 1
Dyoepsilonpapillomavirus 1
Treisepsilonpapillomavirus 1
Thetapapillomavirus 1
Dyozetapapillomavirus 1
Treiszetapapillomavirus 1
Alefpapillomavirus 1
0.5
4ORF nt RAxML Tree
Percent Identity (%)