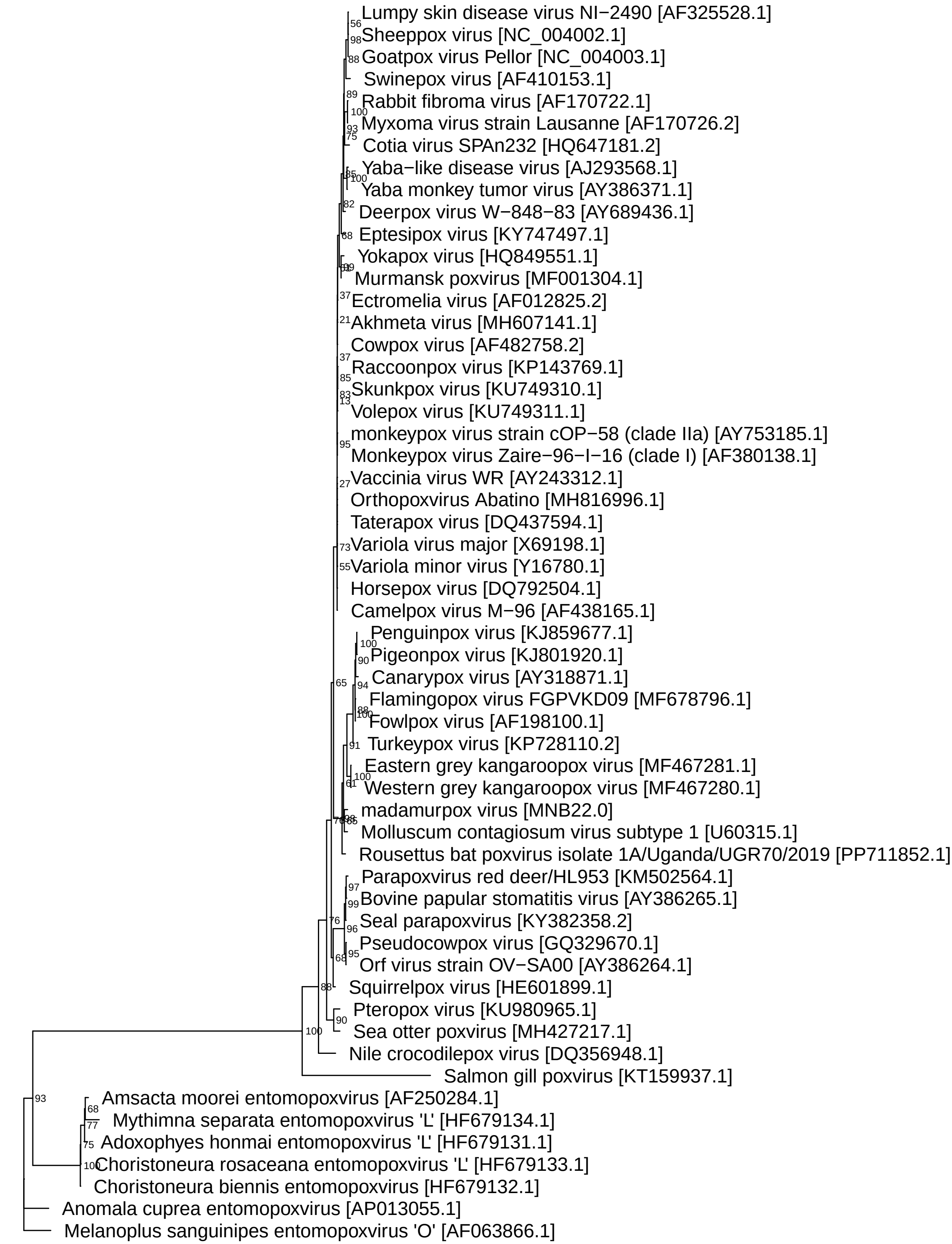
muscle−iqtree.Qyeast_F_I_R6−A18

Penguinpox virus [KJ859677.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Fowlpox virus [AF198100.1]
Pigeonpox virus [KJ801920.1]
Turkeypox virus [KP728110.2]
Canarypox virus [AY318871.1]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Nile crocodilepox virus [DQ356948.1]
madamurpox virus [MNB22.0]
Molluscum contagiosum virus subtype 1 [U60315.1]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP71852
Squirrelpox virus [HE601899.1]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Bovine papular stomatitis virus [AY386265.1]
Parapoxvirus red deer/HL953 [KM502564.1]
Seal parapoxvirus [KY382358.2]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Goatpox virus Pellor [NC_004003.1]
Sheeppox virus [NC_004002.1]
Swinepox virus [AF410153.1]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Deerpox virus W−848−83 [AY689436.1]
Cotia virus SPAn232 [HQ647181.2]
Yaba monkey tumor virus [AY386371.1]
Yaba−like disease virus [AJ293568.1]
Eptesipox virus [KY747497.1]
Variola minor virus [Y16780.1]
Variola virus major [X69198.1]
Camelpox virus M−96 [AF438165.1]
Tatera pox virus [DQ437594.1]
Vaccinia virus WR [AY243312.1]
Horsepox virus [DQ792504.1]
Orthopoxvirus Abatino [MH816996.1]
Monkeypox virus Zaire−96−I−16 (clade I) [AF380138.1]
monkeypox virus strain cOP−58 (clade IIa) [AY753185.1]
Cowpox virus [AF482758.2]
Akhmeta virus [MH607141.1]
Ectromelia virus [AF012825.2]
Skunkpox virus [KU749310.1]
Volepox virus [KU749311.1]
Raccoonpox virus [KP143769.1]
Yokapox virus [HQ849551.1]
Murmansk poxvirus [MF001304.1]
Salmon gill poxvirus [KT159937.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]

muscle−iqtree.Qyeast_F_I_R6−A2



muscle−iqtree.Qyeast_F_I_R6−A22

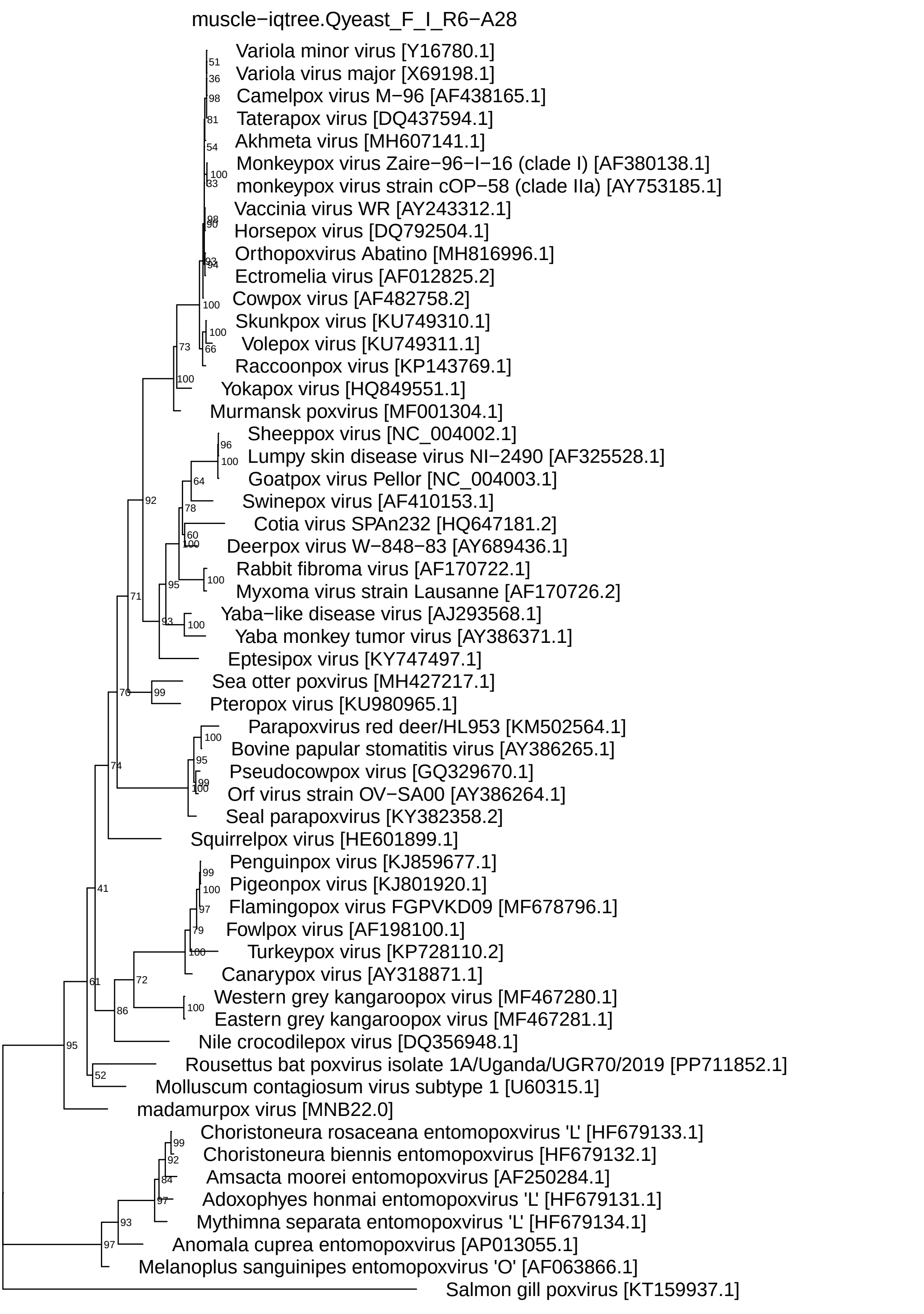
Monkeypox virus Zaire−96−I−16 (clade I) [AF380138.1]
monkeypox virus strain cOP−58 (clade IIa) [AY753185.1]
Ectromelia virus [AF012825.2]
Orthopoxvirus Abatino [MH816996.1]
Cowpox virus [AF482758.2]
Taterapox virus [DQ437594.1]
Camelpox virus M−96 [AF438165.1]
Variola minor virus [Y16780.1]
Variola virus major [X69198.1]
Vaccinia virus WR [AY243312.1]
Horsepox virus [DQ792504.1]
Akhmeta virus [MH607141.1]
Skunkpox virus [KU749310.1]
Raccoonpox virus [KP143769.1]
Volepox virus [KU749311.1]
Murmansk poxvirus [MF001304.1]
Yokapox virus [HQ849551.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Goatpox virus Pellor [NC_004003.1]
Sheeppox virus [NC_004002.1]
Yaba monkey tumor virus [AY386371.1]
Yaba−like disease virus [AJ293568.1]
Deerpox virus W−848−83 [AY689436.1]
Cotia virus SPAn232 [HQ647181.2]
Eptesipox virus [KY747497.1]
Swinepox virus [AF410153.1]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Bovine papular stomatitis virus [AY386265.1]
Seal parapoxvirus [KY382358.2]
Parapoxvirus red deer/HL953 [KM502564.1]
Squirrelpox virus [HE601899.1]
Turkeypox virus [KP728110.2]
Canarypox virus [AY318871.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Penguinpox virus [KJ859677.1]
Pigeonpox virus [KJ801920.1]
Fowlpox virus [AF198100.1]
Salmon gill poxvirus [KT159937.1]
Nile crocodilepox virus [DQ356948.1]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Molluscum contagiosum virus subtype 1 [U60315.1]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP711852.1]
madamurpox virus [MNB22.0]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]

muscle−iqtree.Qyeast_F_I_R6−A23

Variola virus major [X69198.1]
Variola minor virus [Y16780.1]
Camelpox virus M−96 [AF438165.1]
Taterapox virus [DQ437594.1]
Ectromelia virus [AF012825.2]
Akhmeta virus [MH607141.1]
Cowpox virus [AF482758.2]
Vaccinia virus WR [AY243312.1]
Monkeypox virus Zaire−96−I−16 (clade I) [AF380138.1]
monkeypox virus strain cOP−58 (clade IIa) [AY753185.1]
Orthopoxvirus Abatino [MH816996.1]
Horsepox virus [DQ792504.1]
Volepox virus [KU749311.1]
Skunkpox virus [KU749310.1]
Raccoonpox virus [KP143769.1]
Murmansk poxvirus [MF001304.1]
Yokapox virus [HQ849551.1]
Sheeppox virus [NC_004002.1]
Goatpox virus Pellor [NC_004003.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Deerpox virus W−848−83 [AY689436.1]
Swinepox virus [AF410153.1]
Cotia virus SPAn232 [HQ647181.2]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Yaba monkey tumor virus [AY386371.1]
Yaba−like disease virus [AJ293568.1]
Eptesipox virus [KY747497.1]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
Squirrelpox virus [HE601899.1]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Seal parapoxvirus [KY382358.2]
Bovine papular stomatitis virus [AY386265.1]
Parapoxvirus red deer/HL953 [KM502564.1]
madamurpox virus [MNB22.0]
Flamingopox virus FGPVKD09 [MF678796.1]
Pigeonpox virus [KJ801920.1]
Penguinpox virus [KJ859677.1]
Fowlpox virus [AF198100.1]
Canarypox virus [AY318871.1]
Turkeypox virus [KP728110.2]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Molluscum contagiosum virus subtype 1 [U60315.1]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP711852.1]
Nile crocodilepox virus [DQ356948.1]
Salmon gill poxvirus [KT159937.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]

muscle−iqtree.Qyeast_F_I_R6−A24

Variola minor virus [Y16780.1]
Variola virus major [X69198.1]
Camelpox virus M−96 [AF438165.1]
Taterapox virus [DQ437594.1]
Monkeypox virus Zaire−96−I−16 (clade I) [AF380138.1]
monkeypox virus strain cOP−58 (clade IIa) [AY753185.1]
Cowpox virus [AF482758.2]
Vaccinia virus WR [AY243312.1]
Horsepox virus [DQ792504.1]
Orthopoxvirus Abatino [MH816996.1]
Ectromelia virus [AF012825.2]
Akhmeta virus [MH607141.1]
Volepox virus [KU749311.1]
Raccoonpox virus [KP143769.1]
Skunkpox virus [KU749310.1]
Yokapox virus [HQ849551.1]
Murmansk poxvirus [MF001304.1]
Sheeppox virus [NC_004002.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Goatpox virus Pellor [NC_004003.1]
Swinepox virus [AF410153.1]
Cotia virus SPAn232 [HQ647181.2]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Deerpox virus W−848−83 [AY689436.1]
Yaba−like disease virus [AJ293568.1]
Yaba monkey tumor virus [AY386371.1]
Eptesipox virus [KY747497.1]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Seal parapoxvirus [KY382358.2]
Parapoxvirus red deer/HL953 [KM502564.1]
Bovine papular stomatitis virus [AY386265.1]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
Squirrelpox virus [HE601899.1]
Pigeonpox virus [KJ801920.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Penguinpox virus [KJ859677.1]
Fowlpox virus [AF198100.1]
Turkeypox virus [KP728110.2]
Canarypox virus [AY318871.1]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Molluscum contagiosum virus subtype 1 [U60315.1]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP7118
madamurpox virus [MNB22.0]
Nile crocodilepox virus [DQ356948.1]
Salmon gill poxvirus [KT159937.1]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]


muscle−iqtree.Qyeast_F_I_R6−A28
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Variola virus major [X69198.1]
Camelpox virus M−96 [AF438165.1]
Taterapox virus [DQ437594.1]
Akhmeta virus [MH607141.1]
Monkeypox virus Zaire−96−I−16 (clade I) [AF380138.1]
monkeypox virus strain cOP−58 (clade IIa) [AY753185.1]
Vaccinia virus WR [AY243312.1]
Horsepox virus [DQ792504.1]
Orthopoxvirus Abatino [MH816996.1]
Ectromelia virus [AF012825.2]
Cowpox virus [AF482758.2]
Skunkpox virus [KU749310.1]
Volepox virus [KU749311.1]
Raccoonpox virus [KP143769.1]
Yokapox virus [HQ849551.1]
Murmansk poxvirus [MF001304.1]
Sheeppox virus [NC_004002.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Goatpox virus Pellor [NC_004003.1]
Swinepox virus [AF410153.1]
Cotia virus SPAn232 [HQ647181.2]
Deerpox virus W−848−83 [AY689436.1]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Yaba−like disease virus [AJ293568.1]
Yaba monkey tumor virus [AY386371.1]
Eptesipox virus [KY747497.1]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
Parapoxvirus red deer/HL953 [KM502564.1]
Bovine papular stomatitis virus [AY386265.1]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Seal parapoxvirus [KY382358.2]
Squirrelpox virus [HE601899.1]
Penguinpox virus [KJ859677.1]
Pigeonpox virus [KJ801920.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Fowlpox virus [AF198100.1]
Turkeypox virus [KP728110.2]
Canarypox virus [AY318871.1]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Nile crocodilepox virus [DQ356948.1]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP711852.1]
Molluscum contagiosum virus subtype 1 [U60315.1]
madamurpox virus [MNB22.0]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]
Salmon gill poxvirus [KT159937.1]

muscle−iqtree.Qyeast_F_I_R6−A3

muscle−iqtree.Qyeast_F_I_R6−A32

Pigeonpox virus [KJ801920.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Fowlpox virus [AF198100.1]
Penguinpox virus [KJ859677.1]
Canarypox virus [AY318871.1]
Turkeypox virus [KP728110.2]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Nile crocodilepox virus [DQ356948.1]
Molluscum contagiosum virus subtype 1 [U60315.1]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP711852.1]
madamurpox virus [MNB22.0]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Parapoxvirus red deer/HL953 [KM502564.1]
Bovine papular stomatitis virus [AY386265.1]
Seal parapoxvirus [KY382358.2]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
Squirrelpox virus [HE601899.1]
Yaba−like disease virus [AJ293568.1]
Yaba monkey tumor virus [AY386371.1]
Swinepox virus [AF410153.1]
Eptesipox virus [KY747497.1]
Cotia virus SPAn232 [HQ647181.2]
Goatpox virus Pellor [NC_004003.1]
Sheeppox virus [NC_004002.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Deerpox virus W−848−83 [AY689436.1]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Variola minor virus [Y16780.1]
Variola virus major [X69198.1]
Camelpox virus M−96 [AF438165.1]
Taterapox virus [DQ437594.1]
Horsepox virus [DQ792504.1]
Vaccinia virus WR [AY243312.1]
monkeypox virus strain cOP−58 (clade IIa) [AY753185.1]
Monkeypox virus Zaire−96−I−16 (clade I) [AF380138.1]
Orthopoxvirus Abatino [MH816996.1]
Ectromelia virus [AF012825.2]
Cowpox virus [AF482758.2]
Akhmeta virus [MH607141.1]
Skunkpox virus [KU749310.1]
Volepox virus [KU749311.1]
Raccoonpox virus [KP143769.1]
Murmansk poxvirus [MF001304.1]
Yokapox virus [HQ849551.1]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]
Salmon gill poxvirus [KT159937.1]

muscle−iqtree.Qyeast_F_I_R6−A7

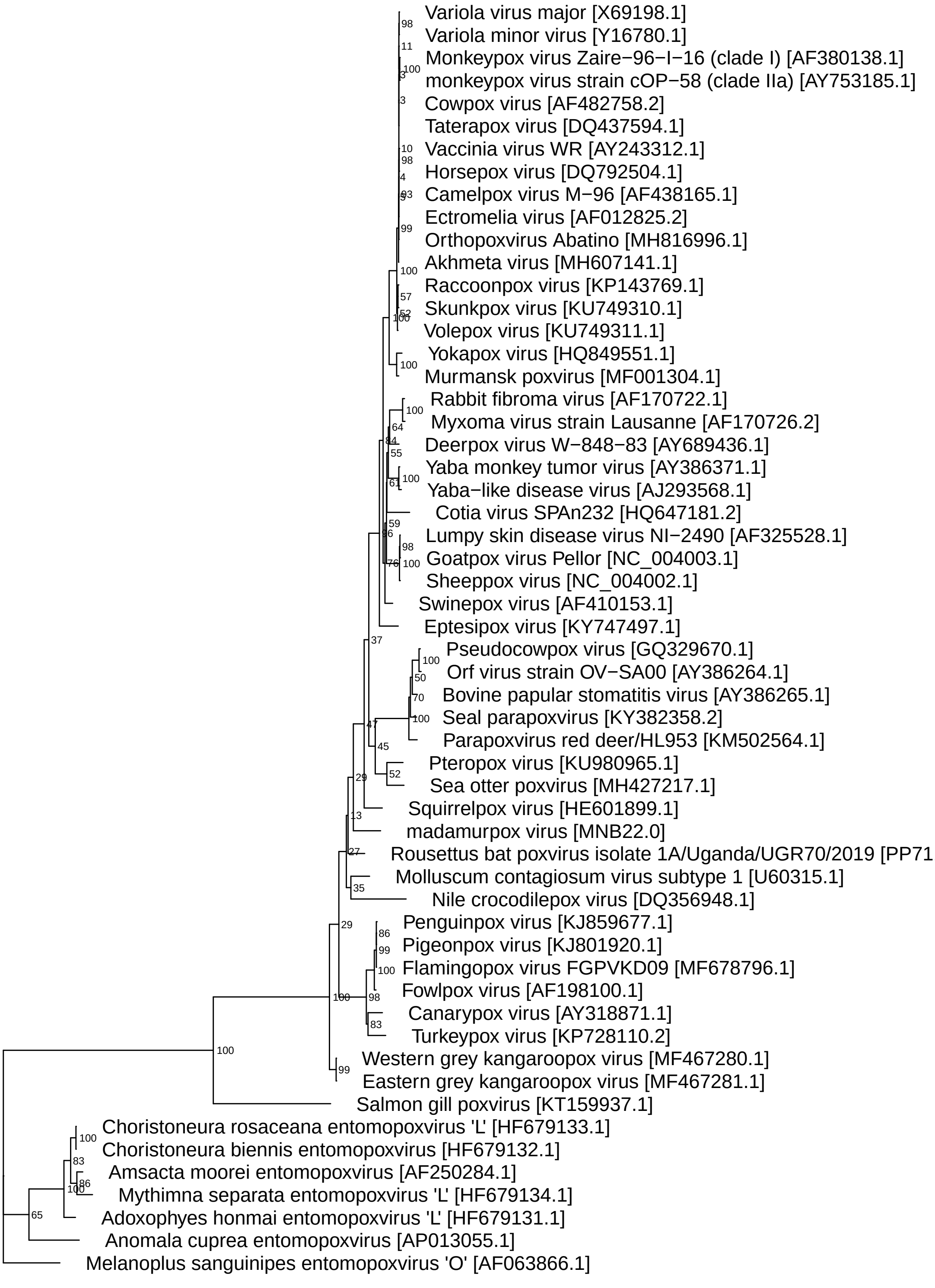
monkeypox virus strain cOP−58 (clade IIa) [AY753185.1]
Monkeypox virus Zaire−96−I−16 (clade I) [AF380138.1]
Orthopoxvirus Abatino [MH816996.1]
Ectromelia virus [AF012825.2]
Akhmeta virus [MH607141.1]
Vaccinia virus WR [AY243312.1]
Horsepox virus [DQ792504.1]
Variola minor virus [Y16780.1]
Variola virus major [X69198.1]
Camelpox virus M−96 [AF438165.1]
Taterapox virus [DQ437594.1]
Cowpox virus [AF482758.2]
Skunkpox virus [KU749310.1]
Volepox virus [KU749311.1]
Raccoonpox virus [KP143769.1]
Yokapox virus [HQ849551.1]
Murmansk poxvirus [MF001304.1]
Goatpox virus Pellor [NC_004003.1]
Sheeppox virus [NC_004002.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Swinepox virus [AF410153.1]
Deerpox virus W−848−83 [AY689436.1]
Cotia virus SPAn232 [HQ647181.2]
Yaba monkey tumor virus [AY386371.1]
Yaba−like disease virus [AJ293568.1]
Eptesipox virus [KY747497.1]
Squirrelpox virus [HE601899.1]
Pteropox virus [KU980965.1]
Sea otter poxvirus [MH427217.1]
Bovine papular stomatitis virus [AY386265.1]
Parapoxvirus red deer/HL953 [KM502564.1]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Seal parapoxvirus [KY382358.2]
madamurpox virus [MNB22.0]
Molluscum contagiosum virus subtype 1 [U60315.1]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP711852
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Penguinpox virus [KJ859677.1]
Pigeonpox virus [KJ801920.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Fowlpox virus [AF198100.1]
Canarypox virus [AY318871.1]
Turkeypox virus [KP728110.2]
Nile crocodilepox virus [DQ356948.1]
Salmon gill poxvirus [KT159937.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]

muscle−iqtree.Qyeast_F_I_R6−D1

muscle−iqtree.Qyeast_F_I_R6−D11

Variola minor virus [Y16780.1]
Variola virus major [X69198.1]
Camelpox virus M−96 [AF438165.1]
Taterapox virus [DQ437594.1]
Horsepox virus [DQ792504.1]
Monkeypox virus Zaire−96−I−16 (clade I) [AF380138.1]
monkeypox virus strain cOP−58 (clade IIa) [AY753185.1]
Akhmeta virus [MH607141.1]
Orthopoxvirus Abatino [MH816996.1]
Vaccinia virus WR [AY243312.1]
Cowpox virus [AF482758.2]
Ectromelia virus [AF012825.2]
Skunkpox virus [KU749310.1]
Volepox virus [KU749311.1]
Raccoonpox virus [KP143769.1]
Yokapox virus [HQ849551.1]
Murmansk poxvirus [MF001304.1]
Goatpox virus Pellor [NC_004003.1]
Sheeppox virus [NC_004002.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Swinepox virus [AF410153.1]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Cotia virus SPAn232 [HQ647181.2]
Deerpox virus W−848−83 [AY689436.1]
Yaba monkey tumor virus [AY386371.1]
Yaba−like disease virus [AJ293568.1]
Eptesipox virus [KY747497.1]
Orf virus strain OV−SA00 [AY386264.1]
Pseudocowpox virus [GQ329670.1]
Bovine papular stomatitis virus [AY386265.1]
Seal parapoxvirus [KY382358.2]
Parapoxvirus red deer/HL953 [KM502564.1]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
Squirrelpox virus [HE601899.1]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP711852.1]
Molluscum contagiosum virus subtype 1 [U60315.1]
madamurpox virus [MNB22.0]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Penguinpox virus [KJ859677.1]
Pigeonpox virus [KJ801920.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Fowlpox virus [AF198100.1]
Canarypox virus [AY318871.1]
Turkeypox virus [KP728110.2]
Nile crocodilepox virus [DQ356948.1]
Salmon gill poxvirus [KT159937.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]

muscle−iqtree.Qyeast_F_I_R6−D12



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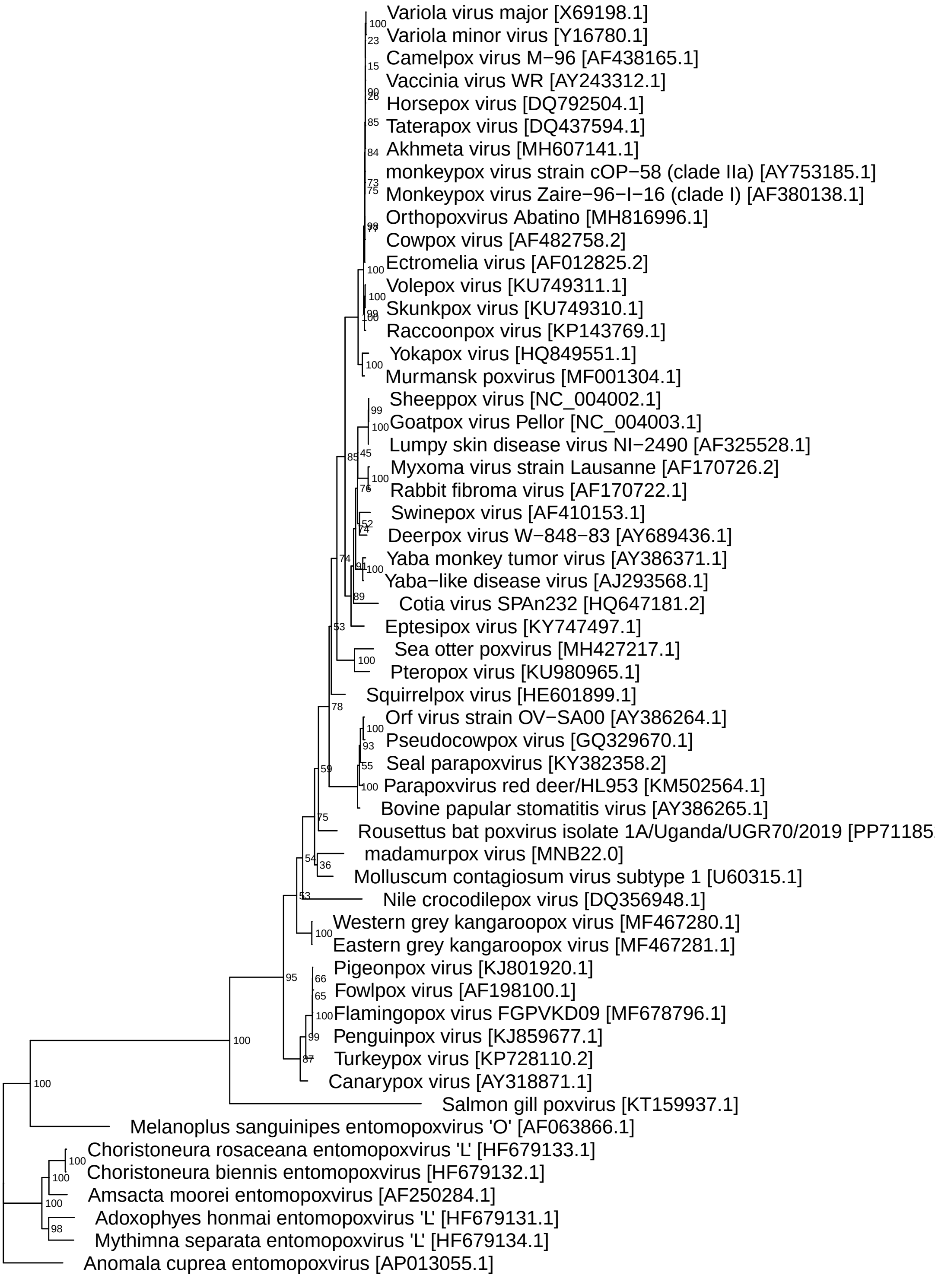

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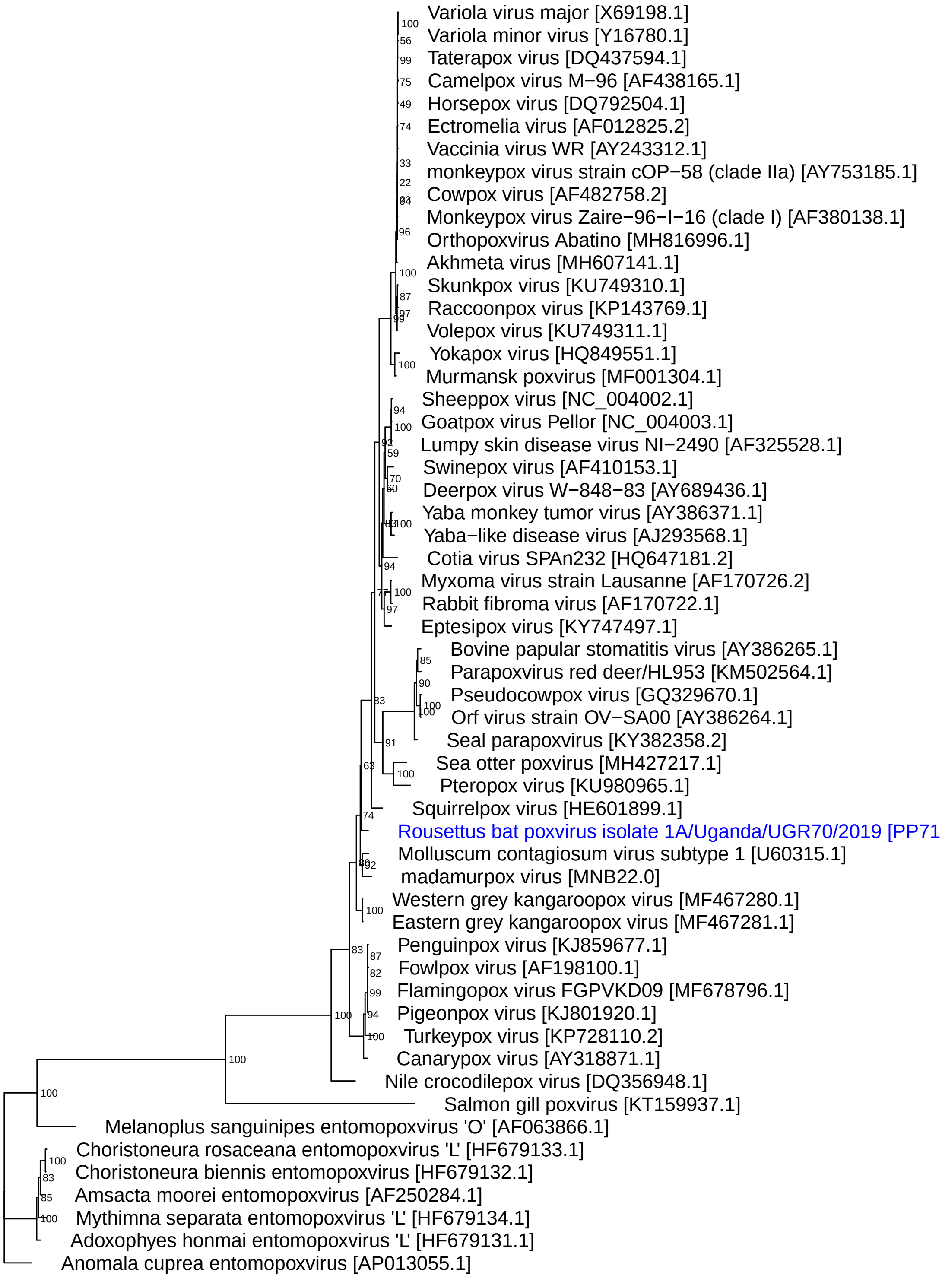

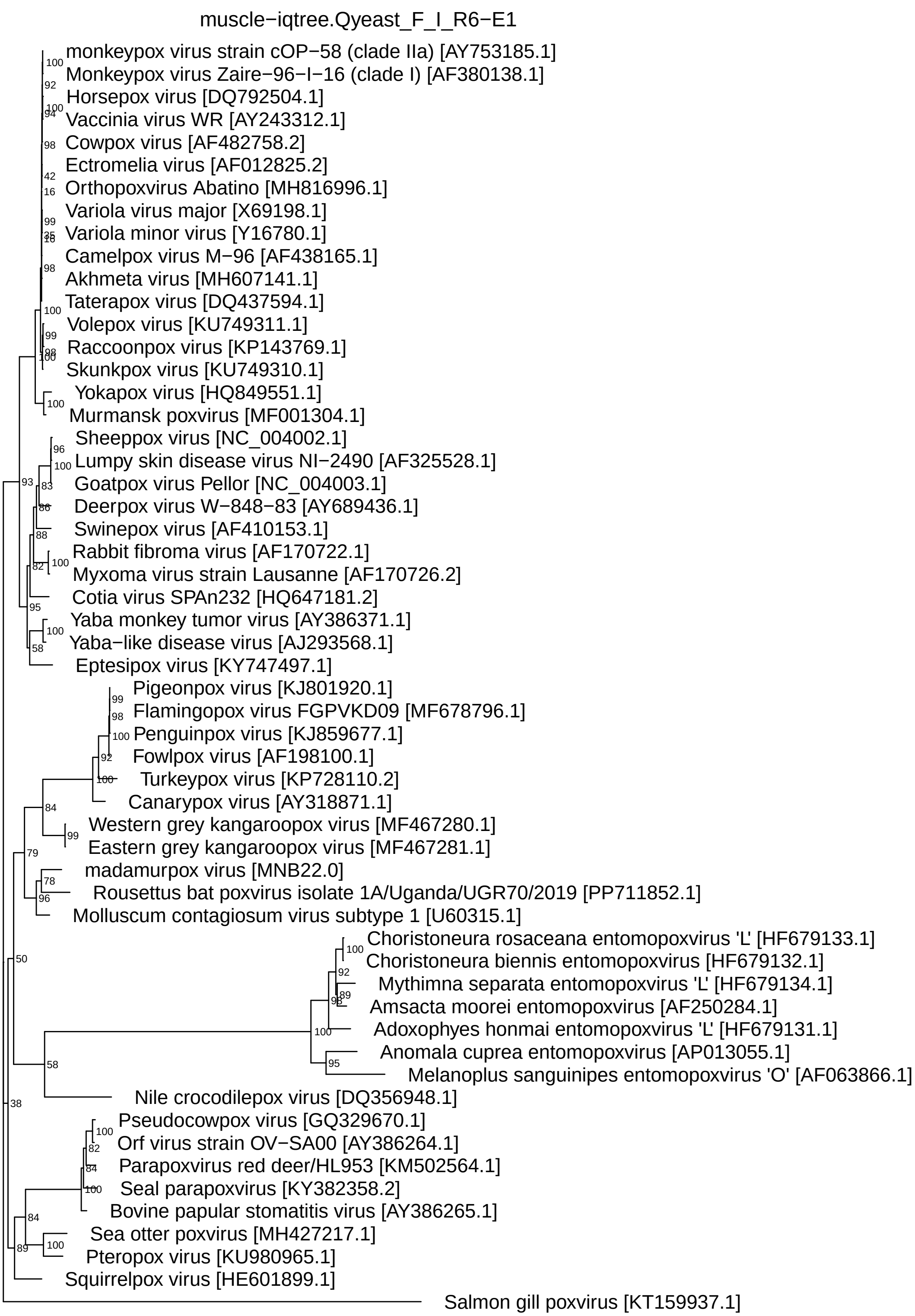
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Vaccinia virus WR [AY243312.1]
Cowpox virus [AF482758.2]
Ectromelia virus [AF012825.2]
Orthopoxvirus Abatino [MH816996.1]
Variola virus major [X69198.1]
Variola minor virus [Y16780.1]
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Volepox virus [KU749311.1]
Raccoonpox virus [KP143769.1]
Skunkpox virus [KU749310.1]
Yokapox virus [HQ849551.1]
Murmansk poxvirus [MF001304.1]
Sheeppox virus [NC_004002.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Goatpox virus Pellor [NC_004003.1]
Deerpox virus W−848−83 [AY689436.1]
Swinepox virus [AF410153.1]
Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Cotia virus SPAn232 [HQ647181.2]
Yaba monkey tumor virus [AY386371.1]
Yaba−like disease virus [AJ293568.1]
Eptesipox virus [KY747497.1]
Pigeonpox virus [KJ801920.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Penguinpox virus [KJ859677.1]
Fowlpox virus [AF198100.1]
Turkeypox virus [KP728110.2]
Canarypox virus [AY318871.1]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
madamurpox virus [MNB22.0]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP711852.1]
Molluscum contagiosum virus subtype 1 [U60315.1]
Choristoneura rosaceana entomopoxvirus 'L' [HF679133.1]
Choristoneura biennis entomopoxvirus [HF679132.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Amsacta moorei entomopoxvirus [AF250284.1]
Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]
Nile crocodilepox virus [DQ356948.1]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Parapoxvirus red deer/HL953 [KM502564.1]
Seal parapoxvirus [KY382358.2]
Bovine papular stomatitis virus [AY386265.1]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
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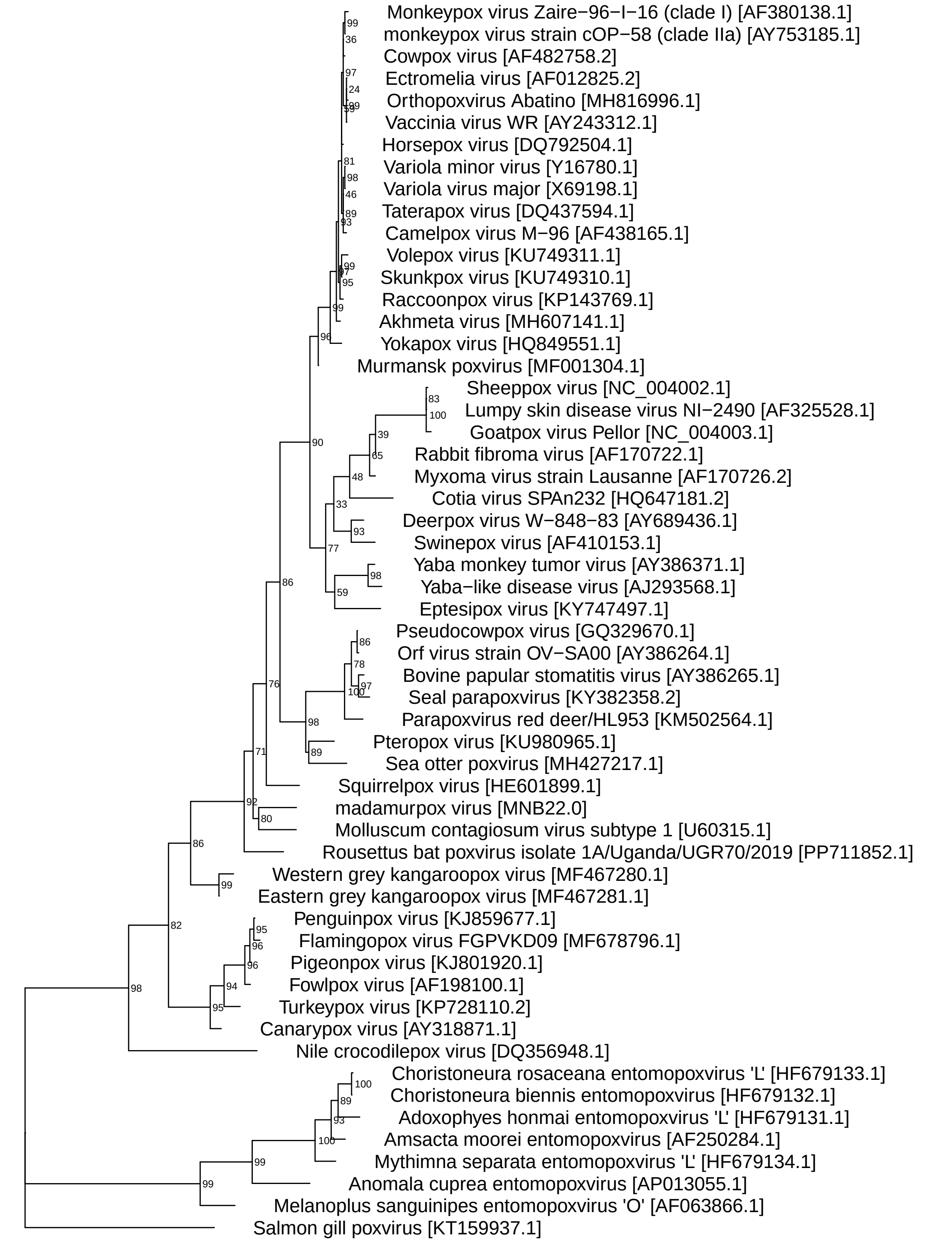
Salmon gill poxvirus [KT159937.1]

muscle−iqtree.Qyeast_F_I_R6−E10



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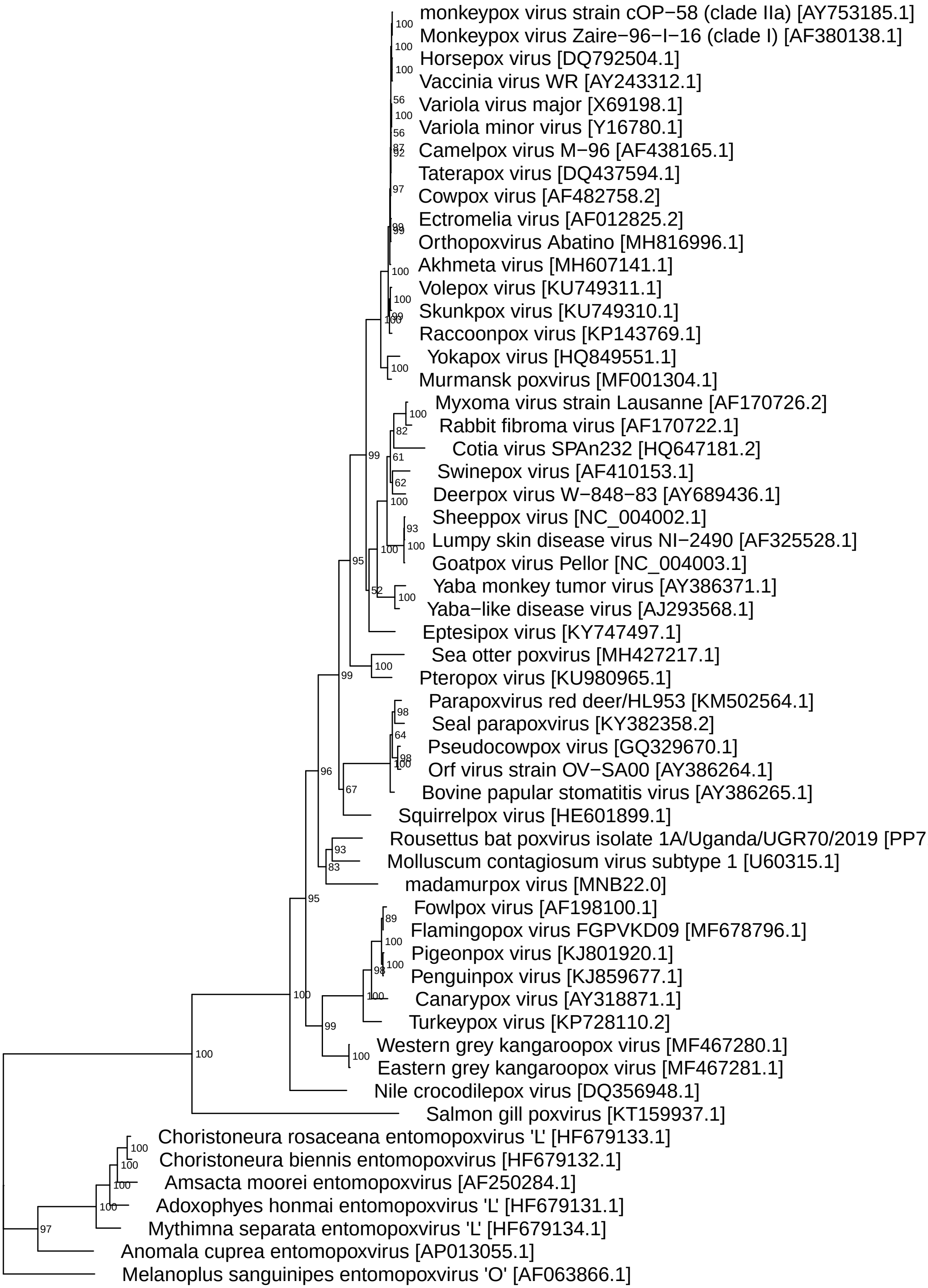

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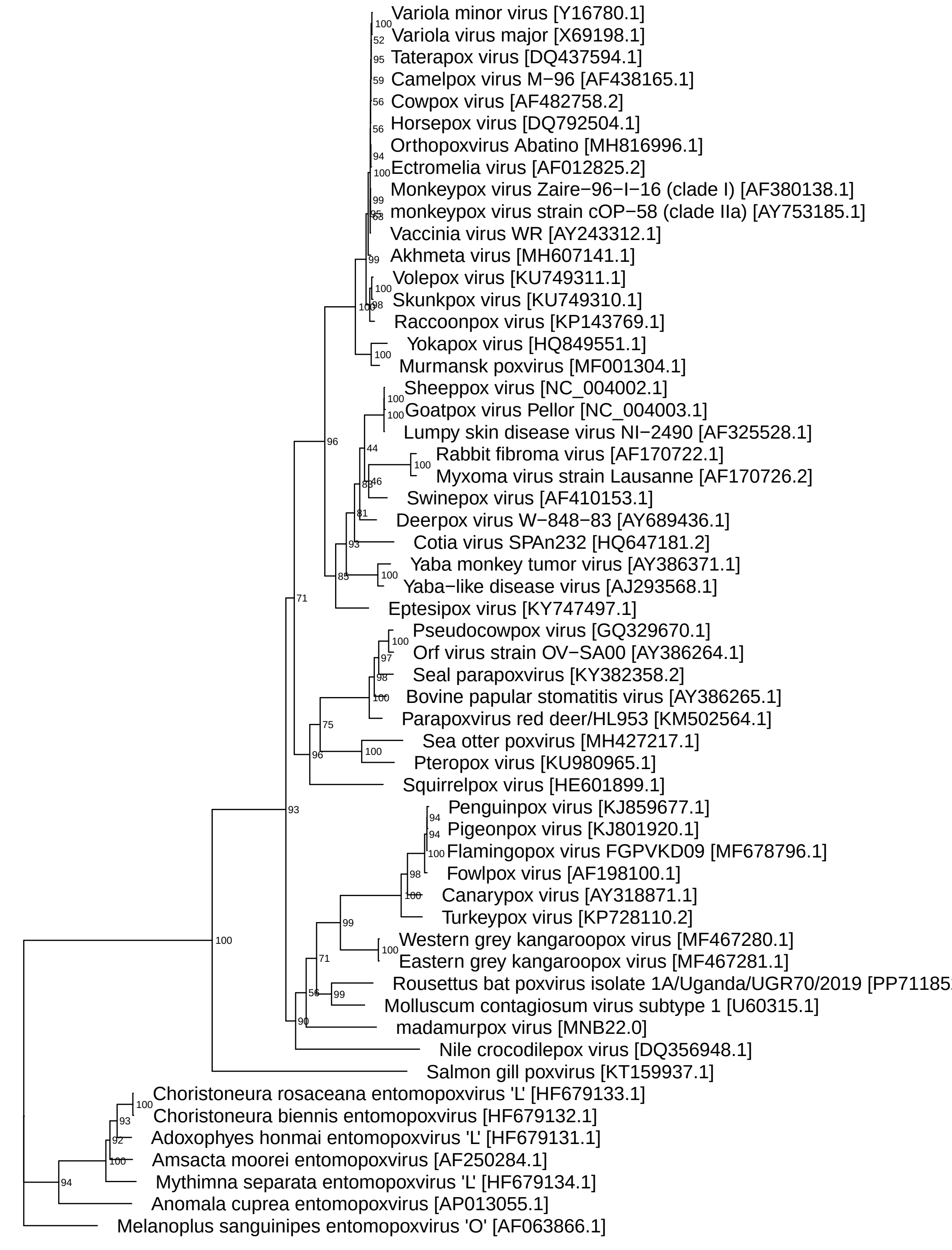

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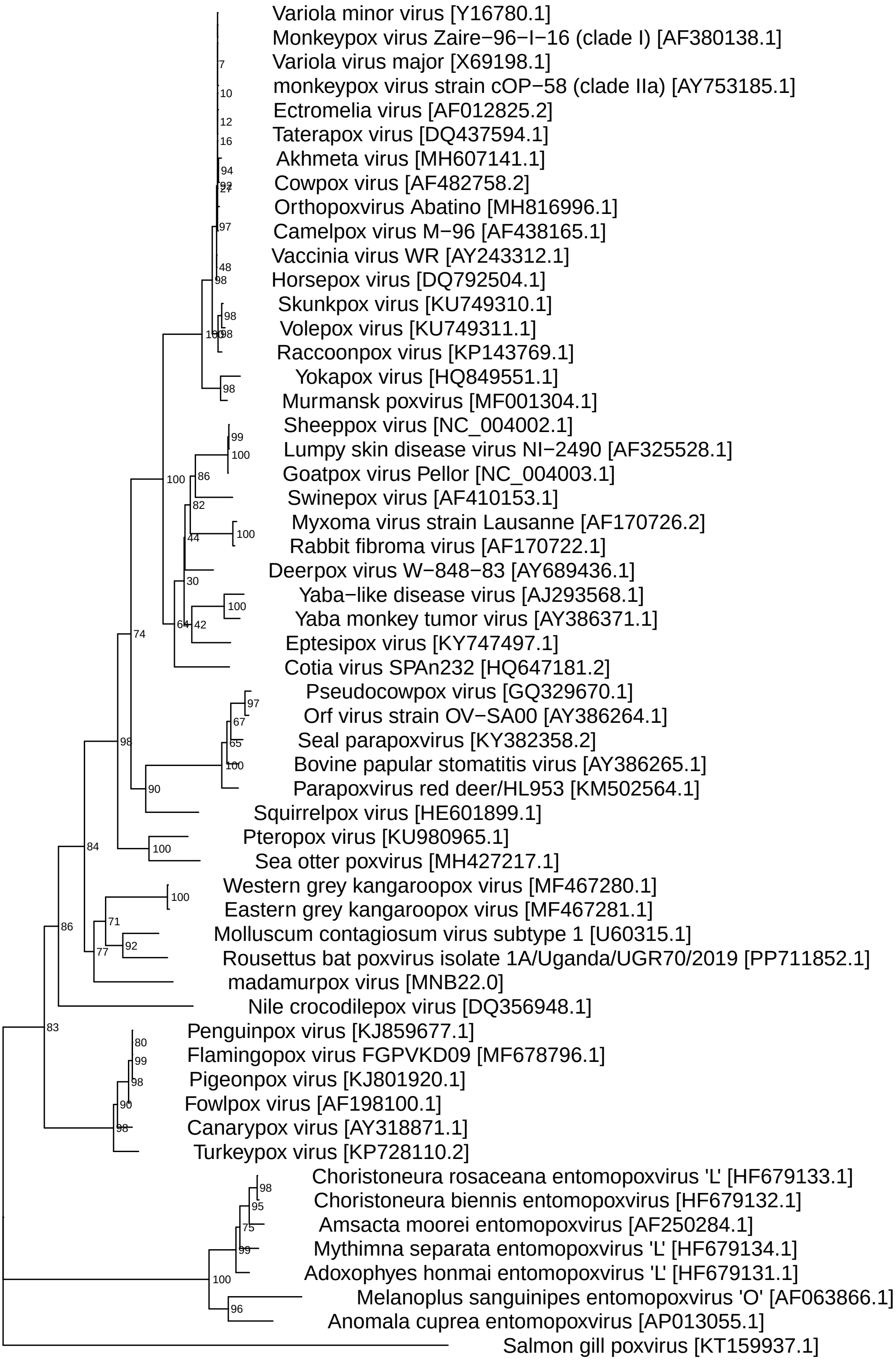

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Orthopoxvirus Abatino [MH816996.1]
Akhmeta virus [MH607141.1]
Vaccinia virus WR [AY243312.1]
Horsepox virus [DQ792504.1]
Ectromelia virus [AF012825.2]
Cowpox virus [AF482758.2]
Taterapox virus [DQ437594.1]
Camelpox virus M−96 [AF438165.1]
Variola minor virus [Y16780.1]
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Skunkpox virus [KU749310.1]
Volepox virus [KU749311.1]
Raccoonpox virus [KP143769.1]
Murmansk poxvirus [MF001304.1]
Yokapox virus [HQ849551.1]
Swinepox virus [AF410153.1]
Cotia virus SPAn232 [HQ647181.2]
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Rabbit fibroma virus [AF170722.1]
Myxoma virus strain Lausanne [AF170726.2]
Goatpox virus Pellor [NC_004003.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Sheeppox virus [NC_004002.1]
Yaba monkey tumor virus [AY386371.1]
Yaba−like disease virus [AJ293568.1]
Eptesipox virus [KY747497.1]
Penguinpox virus [KJ859677.1]
Flamingopox virus FGPVKD09 [MF678796.1]
Pigeonpox virus [KJ801920.1]
Fowlpox virus [AF198100.1]
Canarypox virus [AY318871.1]
Turkeypox virus [KP728110.2]
Western grey kangaroopox virus [MF467280.1]
Eastern grey kangaroopox virus [MF467281.1]
Nile crocodilepox virus [DQ356948.1]
Molluscum contagiosum virus subtype 1 [U60315.1]
madamurpox virus [MNB22.0]
Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PP711852.1]
Squirrelpox virus [HE601899.1]
Sea otter poxvirus [MH427217.1]
Pteropox virus [KU980965.1]
Pseudocowpox virus [GQ329670.1]
Orf virus strain OV−SA00 [AY386264.1]
Parapoxvirus red deer/HL953 [KM502564.1]
Bovine papular stomatitis virus [AY386265.1]
Seal parapoxvirus [KY382358.2]
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Choristoneura biennis entomopoxvirus [HF679132.1]
Amsacta moorei entomopoxvirus [AF250284.1]
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Mythimna separata entomopoxvirus 'L' [HF679134.1]
Anomala cuprea entomopoxvirus [AP013055.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]
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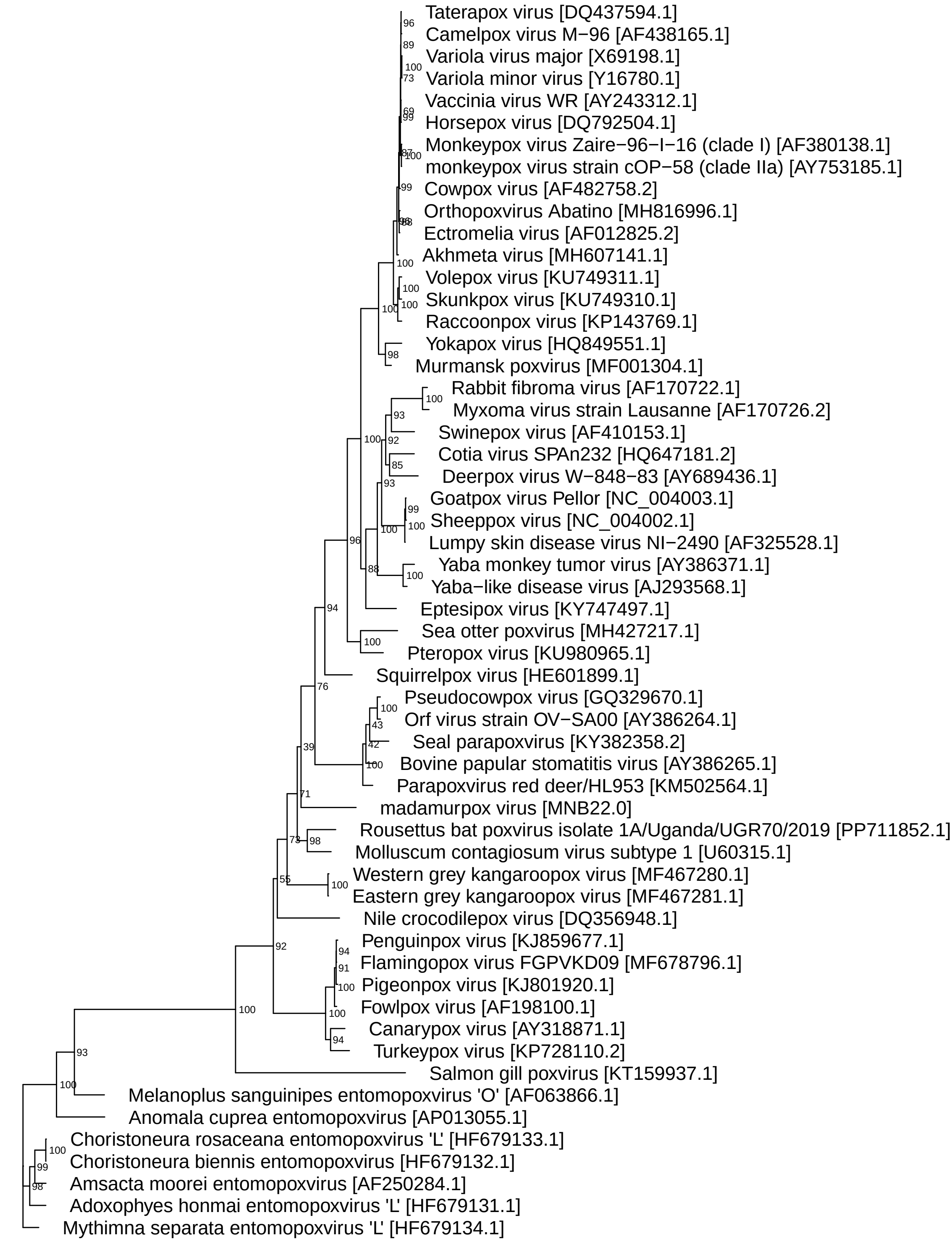
muscle−iqtree.Qyeast_F_I_R6−H6

muscle−iqtree.Qyeast_F_I_R6−I8



muscle−iqtree.Qyeast_F_I_R6−J3

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Variola virus major [X69198.1]
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Camelpox virus M−96 [AF438165.1]
Yokapox virus [HQ849551.1]
Murmansk poxvirus [MF001304.1]
Lumpy skin disease virus NI−2490 [AF325528.1]
Goatpox virus Pellor [NC_004003.1]
Sheeppox virus [NC_004002.1]
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Deerpox virus W−848−83 [AY689436.1]
Swinepox virus [AF410153.1]
Myxoma virus strain Lausanne [AF170726.2]
Rabbit fibroma virus [AF170722.1]
Yaba monkey tumor virus [AY386371.1]
Yaba−like disease virus [AJ293568.1]
Eptesipox virus [KY747497.1]
Penguinpox virus [KJ859677.1]
Pigeonpox virus [KJ801920.1]
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Nile crocodilepox virus [DQ356948.1]
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Adoxophyes honmai entomopoxvirus 'L' [HF679131.1]
Mythimna separata entomopoxvirus 'L' [HF679134.1]
Melanoplus sanguinipes entomopoxvirus 'O' [AF063866.1]
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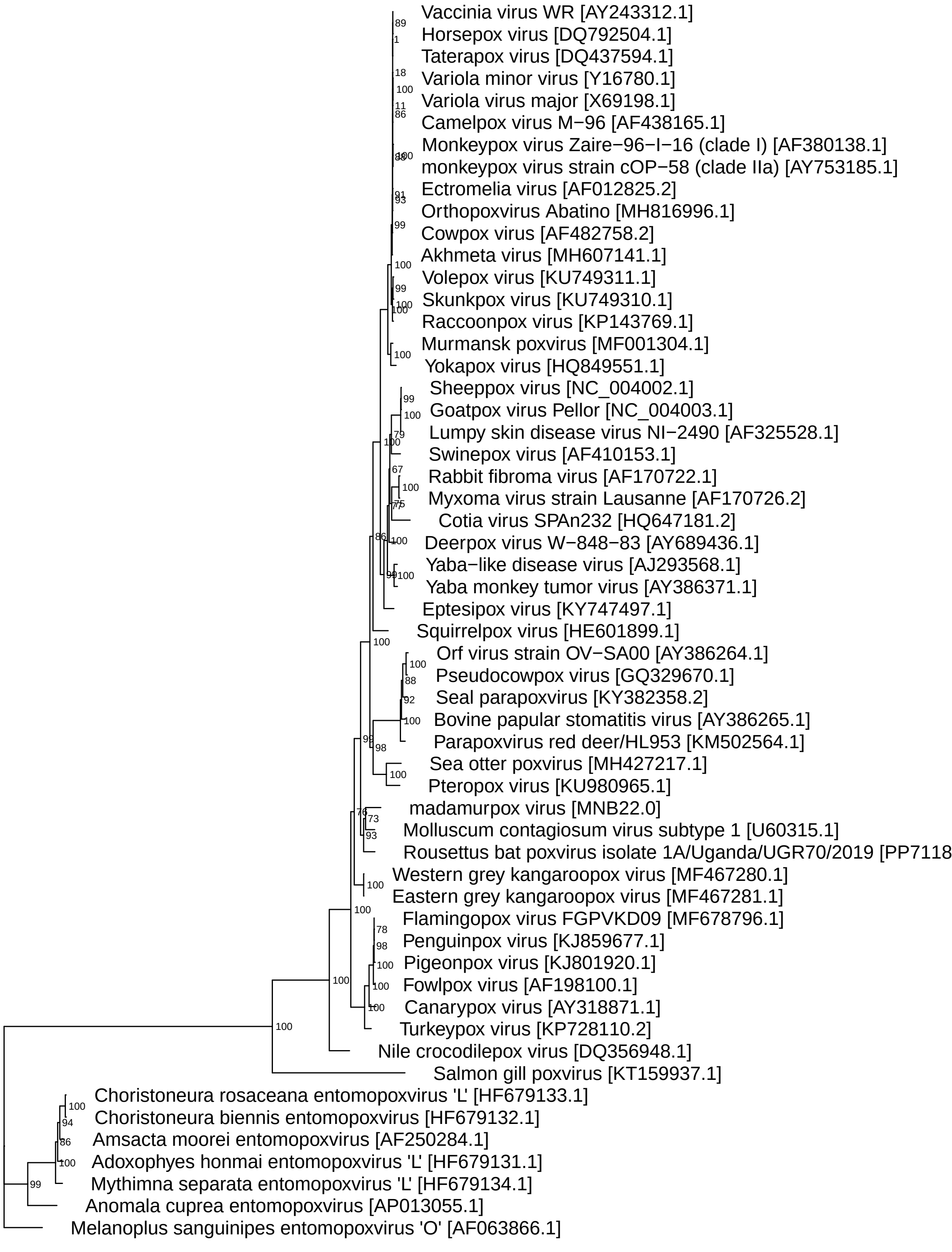
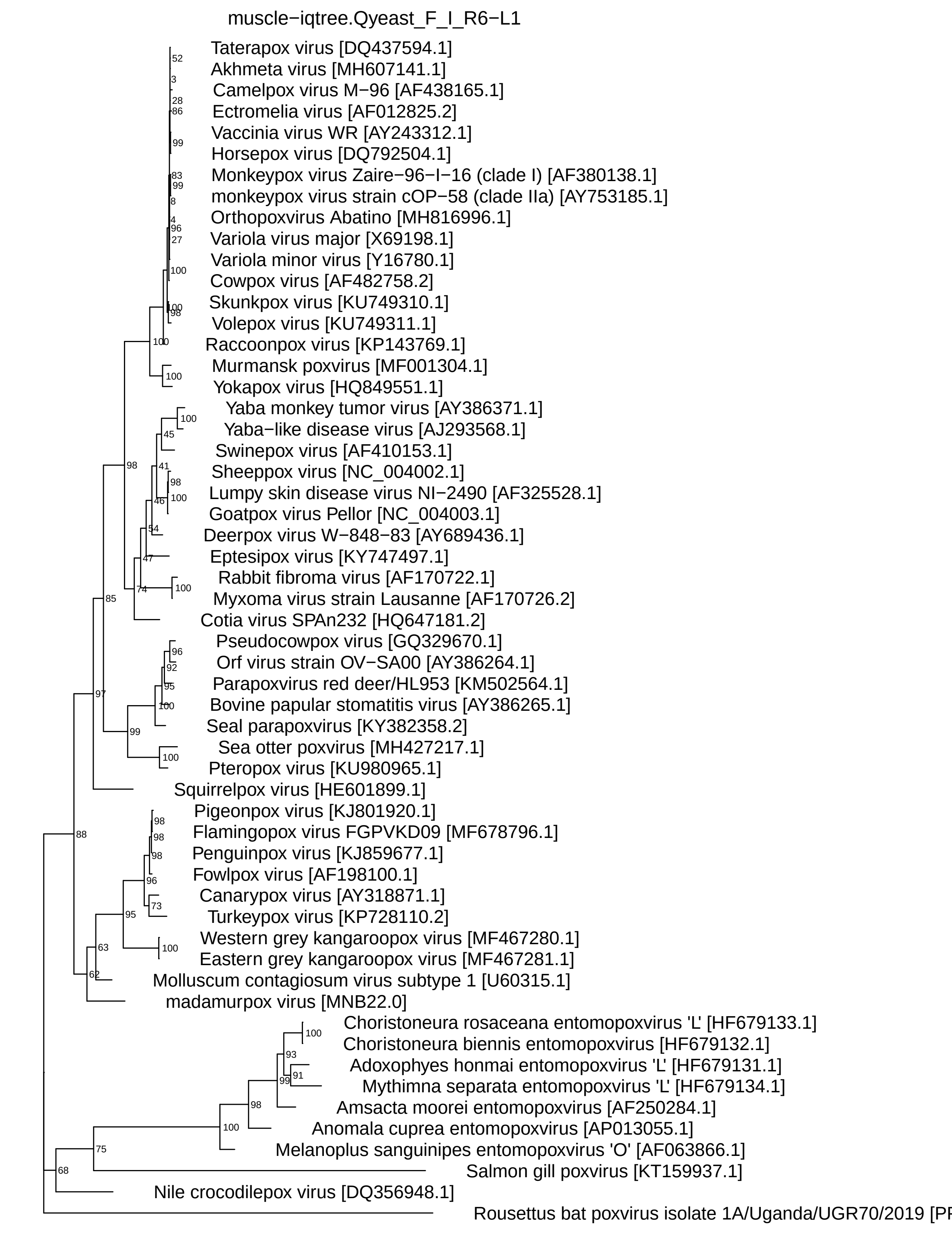
Salmon gill poxvirus [KT159937.1]

muscle−iqtree.Qyeast_F_I_R6−J6

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Deerpox virus W−848−83 [AY689436.1]
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Orf virus strain OV−SA00 [AY386264.1]
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Bovine papular stomatitis virus [AY386265.1]
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Flamingopox virus FGPVKD09 [MF678796.1]
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Rousettus bat poxvirus isolate 1A/Uganda/UGR70/2019 [PR