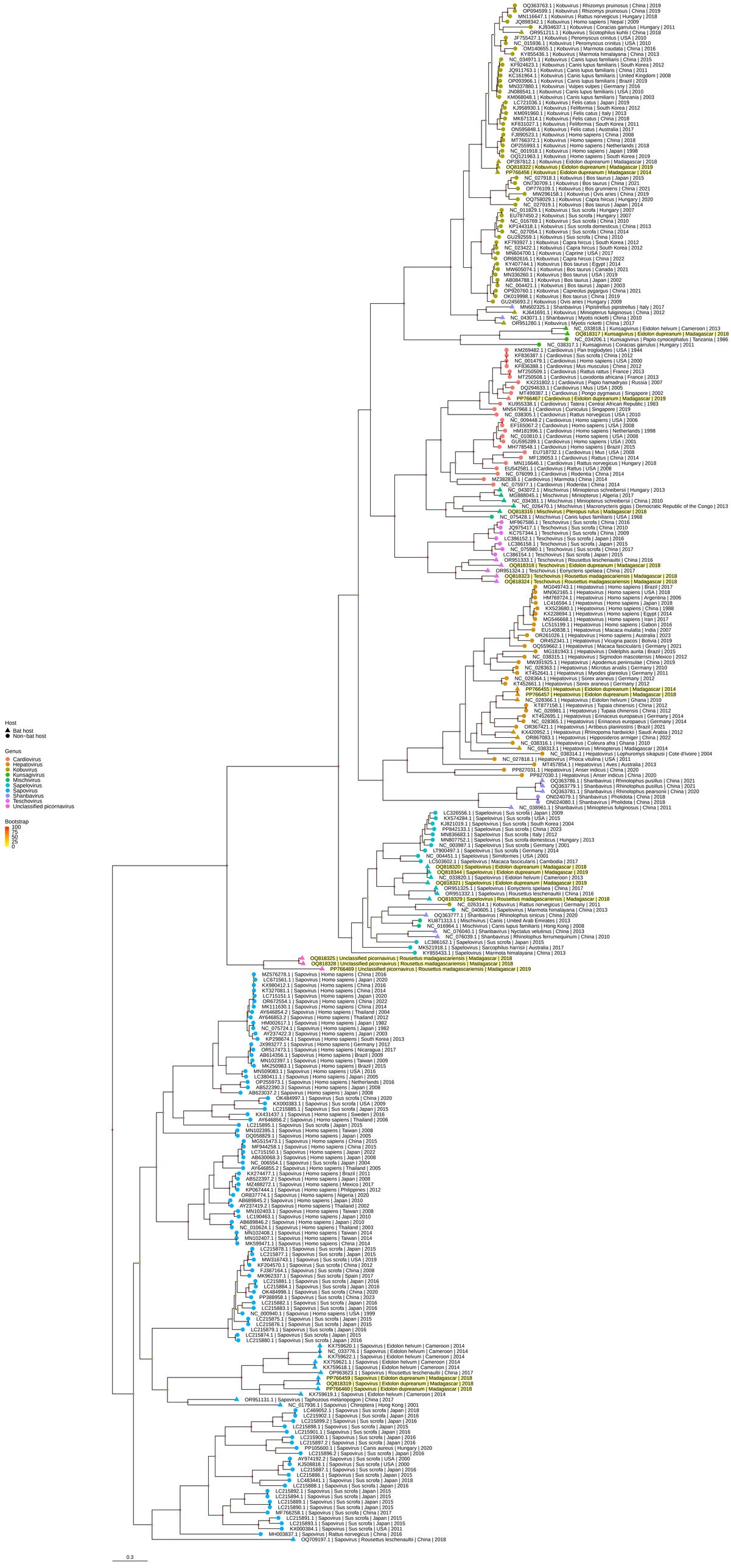
OQ363763.1 | Kobuvirus | Rhizomys pruinosus | China | 2019
OP094599.1 | Kobuvirus | Rhizomys pruinosus | China | 2019
MN116647.1 | Kobuvirus | Rattus norvegicus | Hungary | 2018
JQ898342.1 | Kobuvirus | Homo sapiens | Nepal | 2009
KJ934637.1 | Kobuvirus | Coracias garrulus | Hungary | 2011
OR951211.1 | Kobuvirus | Scotophilus kuhlii | China | 2018
JF755427.1 | Kobuvirus | Peromyscus crinitus | USA | 2010
NC_015936.1 | Kobuvirus | Peromyscus crinitus | USA | 2010
OM140655.1 | Kobuvirus | Marmota caudata | China | 2016
KY855436.1 | Kobuvirus | Marmota himalayana | China | 2013
NC_024971.1 | Kobuvirus | Canis lupus familiaris | China | 2015
KF924623.1 | Kobuvirus | Canis lupus familiaris | South Korea | 2012
JQ911763.1 | Kobuvirus | Canis lupus familiaris | China | 2011
KC161964.1 | Kobuvirus | Canis lupus familiaris | United Kingdom | 2008
OP093966.1 | Kobuvirus | Canis lupus familiaris | Brazil | 2019
MN337880.1 | Kobuvirus | Vulpes vulpes | Germany | 2016
JN088541.1 | Kobuvirus | Canis lupus familiaris | USA | 2010
KM068048.1 | Kobuvirus | Canis lupus familiaris | Tanzania | 2003
LC721036.1 | Kobuvirus | Felis catus | Japan | 2019
KJ958930.1 | Kobuvirus | Feliformia | South Korea | 2012
KM091960.1 | Kobuvirus | Felis catus | Italy | 2013
MK673134.1 | Kobuvirus | Felis catus | China | 2018
KF831027.1 | Kobuvirus | Feliformia | South Korea | 2011
ON595848.1 | Kobuvirus | Felis catus | Australia | 2017
FJ890523.1 | Kobuvirus | Homo sapiens | China | 2008
MT766372.1 | Kobuvirus | Homo sapiens | China | 2018
OP255993.1 | Kobuvirus | Homo sapiens | Netherlands | 2018
NC_001918.1 | Kobuvirus | Homo sapiens | Japan | 1998
OQ121963.1 | Kobuvirus | Homo sapiens | South Korea | 2019
OP287812.1 | Kobuvirus | Eidolon dupreanum | Madagascar | 2018
OQ818322 | Kobuvirus | Eidolon dupreanum | Madagascar | 2019
PP766456 | Kobuvirus | Eidolon dupreanum | Madagascar | 2014
NC_027918.1 | Kobuvirus | Bos taurus | Japan | 2015
ON730709.1 | Kobuvirus | Bos taurus | China | 2021
OP776109.1 | Kobuvirus | Bos grunniens | China | 2021
MW296158.1 | Kobuvirus | Ovis aries | China | 2019
OQ758029.1 | Kobuvirus | Capra hircus | Hungary | 2020
NC_027919.1 | Kobuvirus | Bos taurus | Japan | 2014
NC_011829.1 | Kobuvirus | Sus scrofa | Hungary | 2007
EU787450.2 | Kobuvirus | Sus scrofa | Hungary | 2007
NC_016766.1 | Kobuvirus | Sus scrofa | China | 2010
KP144318.1 | Kobuvirus | Sus scrofa domesticus | China | 2013
NC_027054.1 | Kobuvirus | Sus scrofa | China | 2014
GU292559.1 | Kobuvirus | Sus scrofa | China | 2010
KF793927.1 | Kobuvirus | Capra hircus | South Korea | 2012
NC_023422.1 | Kobuvirus | Capra hircus | South Korea | 2012
MN604700.1 | Kobuvirus | Caprine | USA | 2017
OR682616.1 | Kobuvirus | Capra hircus | China | 2022
KY407744.1 | Kobuvirus | Bos taurus | Egypt | 2014
MW605074.1 | Kobuvirus | Bos taurus | Canada | 2021
MN336260.1 | Kobuvirus | Bos taurus | USA | 2019
AB084788.1 | Kobuvirus | Bos taurus | Japan | 2002
NC_004421.1 | Kobuvirus | Bos taurus | Japan | 2003
OP920760.1 | Kobuvirus | Capreolus pygargus | China | 2021
OK019998.1 | Kobuvirus | Bos taurus | China | 2019
GU245693.2 | Kobuvirus | Ovis aries | Hungary | 2009
MN602325.1 | Shanbavirus | Pipistrellus pipistrellus | Italy | 2017
KJ641691.1 | Kobuvirus | Miniopterus fuliginosus | China | 2012
NC_043071.1 | Shanbavirus | Myotis ricketti | China | 2010
OR951280.1 | Kobuvirus | Myotis ricketti | China | 2017
NC_033818.1 | Kunsagivirus | Eidolon helvum | Cameroon | 2013
OQ818317 | Kunsagivirus | Eidolon dupreanum | Madagascar | 2018
NC_034206.1 | Kunsagivirus | Papio cynocephalus | Tanzania | 1986
NC_038317.1 | Kunsagivirus | Coracias garrulus | Hungary | 2011
KM269482.1 | Cardiovirus | Pan troglodytes | USA | 1944
KF836387.1 | Cardiovirus | Sus scrofa | China | 2012
NC_001479.1 | Cardiovirus | Homo sapiens | USA | 2000
KF836388.1 | Cardiovirus | Mus musculus | China | 2012
MT250509.1 | Cardiovirus | Rattus rattus | France | 2013
MT250508.1 | Cardiovirus | Loxodonta africana | France | 2013
KX231802.1 | Cardiovirus | Papio hamadryas | Russia | 2007
DQ294633.1 | Cardiovirus | Mus | USA | 2005
MT493387.1 | Cardiovirus | Pongo pygmaeus | Singapore | 2002
PP766467 | Cardiovirus | Eidolon dupreanum | Madagascar | 2019
KU955338.1 | Cardiovirus | Tatera | Central African Republic | 1983
MN547968.1 | Cardiovirus | Cuniculus | Singapore | 2019
NC_038305.1 | Cardiovirus | Rattus norvegicus | USA | 2010
NC_009448.2 | Cardiovirus | Homo sapiens | USA | 2006
EF165067.2 | Cardiovirus | Homo sapiens | USA | 2008
HM181996.1 | Cardiovirus | Homo sapiens | Netherlands | 1998
NC_010810.1 | Cardiovirus | Homo sapiens | USA | 2008
GU595289.1 | Cardiovirus | Homo sapiens | USA | 2001
MH778548.1 | Cardiovirus | Homo sapiens | Brazil | 2015
EU718732.1 | Cardiovirus | Mus | USA | 2008
MF139053.1 | Cardiovirus | Rattus | China | 2014
MN116646.1 | Cardiovirus | Rattus norvegicus | Hungary | 2018
EU542581.1 | Cardiovirus | Rattus | USA | 2008
NC_076099.1 | Cardiovirus | Rodentia | China | 2014
MZ382838.1 | Cardiovirus | Marmota | China | 2014
NC_075977.1 | Cardiovirus | Rodentia | China | 2014
NC_043072.1 | Mischivirus | Miniopterus schreibersii | Hungary | 2013
MG888045.1 | Mischivirus | Miniopterus | Algeria | 2017
NC_034381.1 | Mischivirus | Miniopterus schreibersii | China | 2010
NC_026470.1 | Mischivirus | Macronycteris gigas | Democratic Republic of the Congo | 2013
OQ818316 | Mischivirus | Pteropus rufus | Madagascar | 2018
NC_075428.1 | Mischivirus | Canis lupus familiaris | USA | 1988
MF967586.1 | Teschovirus | Sus scrofa | China | 2016
JQ975417.1 | Teschovirus | Sus scrofa | China | 2010
KC757344.1 | Teschovirus | Sus scrofa | China | 2009
LC386152.1 | Teschovirus | Sus scrofa | Japan | 2016
LC386158.1 | Teschovirus | Sus scrofa | Japan | 2015
NC_075980.1 | Teschovirus | Sus scrofa | China | 2017
LC386154.1 | Teschovirus | Sus scrofa | Japan | 2015
OR951333.1 | Teschovirus | Rousettus leschenaultii | China | 2016
OQ818318 | Teschovirus | Eidolon dupreanum | Madagascar | 2018
OR951324.1 | Teschovirus | Eonycteris spelaea | China | 2017
OQ818323 | Teschovirus | Rousettus madagascariensis | Madagascar | 2018
OQ818324 | Teschovirus | Rousettus madagascariensis | Madagascar | 2018
MG049743.1 | Hepatovirus | Homo sapiens | Brazil | 2017
MN062165.1 | Hepatovirus | Homo sapiens | USA | 2018
HM769724.1 | Hepatovirus | Homo sapiens | Argentina | 2006
LC416594.1 | Hepatovirus | Homo sapiens | Japan | 2018
KX523680.1 | Hepatovirus | Homo sapiens | China | 1988
KX228694.1 | Hepatovirus | Homo sapiens | Egypt | 2014
MG546668.1 | Hepatovirus | Homo sapiens | Iran | 2017
LC515199.1 | Hepatovirus | Homo sapiens | Gabon | 2016
EU140838.1 | Hepatovirus | Macaca mulatta | India | 2007
OR261026.1 | Hepatovirus | Homo sapiens | Australia | 2023
OR452341.1 | Hepatovirus | Vicugna pacos | Bolivia | 2019
OQ559662.1 | Hepatovirus | Macaca fascicularis | Germany | 2021
MG181943.1 | Hepatovirus | Didelphis aurita | Brazil | 2015
NC_038315.1 | Hepatovirus | Sigmodon mascotensis | Mexico | 2012
MW391925.1 | Hepatovirus | Apodemus peninsulae | China | 2019
NC_028363.1 | Hepatovirus | Microtus arvalis | Germany | 2010
KT452641.1 | Hepatovirus | Myodes glareolus | Germany | 2011
NC_028364.1 | Hepatovirus | Sorex araneus | Germany | 2012
KT452661.1 | Hepatovirus | Sorex araneus | Germany | 2012
PP766455 | Hepatovirus | Eidolon dupreanum | Madagascar | 2014
PP766457 | Hepatovirus | Eidolon dupreanum | Madagascar | 2018
NC_028366.1 | Hepatovirus | Eidolon helvum | Ghana | 2010
KT877158.1 | Hepatovirus | Tupaia chinensis | China | 2012
NC_028981.1 | Hepatovirus | Tupaia chinensis | China | 2012
KT452695.1 | Hepatovirus | Erinaceus europaeus | Germany | 2014
NC_028365.1 | Hepatovirus | Erinaceus europaeus | Germany | 2014
OR367421.1 | Hepatovirus | Artibeus planirostris | Brazil | 2021
KX420952.1 | Hepatovirus | Rhinopoma hardwickii | Saudi Arabia | 2012
OR867083.1 | Hepatovirus | Hipposideros armiger | China | 2022
NC_038316.1 | Hepatovirus | Coleura afra | Ghana | 2010
NC_038313.1 | Hepatovirus | Miniopterus | Madagascar | 2014
NC_038314.1 | Hepatovirus | Lophuromys sikapusi | Cote d'Ivoire | 2004
NC_027818.1 | Hepatovirus | Phoca vitulina | USA | 2011
MT457854.1 | Hepatovirus | Aves | Australia | 2013
PP827031.1 | Hepatovirus | Anser indicus | China | 2020
PP827030.1 | Hepatovirus | Anser indicus | China | 2020
OQ363786.1 | Shanbavirus | Rhinolophus pusillus | China | 2021
OQ363779.1 | Shanbavirus | Rhinolophus pusillus | China | 2021
OQ363781.1 | Shanbavirus | Rhinolophus pearsonii | China | 2020
ON024079.1 | Shanbavirus | Pholidota | China | 2018
ON024080.1 | Shanbavirus | Pholidota | China | 2018
NC_038961.1 | Shanbavirus | Miniopterus fuliginosus | China | 2011
LC326556.1 | Sapelovirus | Sus scrofa | Japan | 2009
KX574284.1 | Sapelovirus | Sus scrofa | USA | 2015
KJ821019.1 | Sapelovirus | Sus scrofa | South Korea | 2004
PP842133.1 | Sapelovirus | Sus scrofa | China | 2023
MN836683.1 | Sapelovirus | Sus scrofa | Italy | 2012
MN807752.1 | Sapelovirus | Sus scrofa domesticus | Hungary | 2013
NC_003987.1 | Sapelovirus | Sus scrofa | Germany | 2001
LT900497.1 | Sapelovirus | Sus scrofa | Germany | 2014
NC_004451.1 | Sapelovirus | Siimiformes | USA | 2001
LC503602.1 | Sapelovirus | Macaca fascicularis | Cambodia | 2017
OQ818320 | Sapelovirus | Eidolon dupreanum | Madagascar | 2018
OQ818344 | Sapelovirus | Eidolon dupreanum | Madagascar | 2019
NC_033820.1 | Sapelovirus | Eidolon helvum | Cameroon | 2013
OQ818321 | Sapelovirus | Eidolon dupreanum | Madagascar | 2019
OR951325.1 | Sapelovirus | Eonycteris spelaea | China | 2017
OR951332.1 | Sapelovirus | Rousettus leschenaultii | China | 2016
OQ818329 | Sapelovirus | Rousettus madagascariensis | Madagascar | 2018
NC_026314.1 | Sapelovirus | Rattus norvegicus | Germany | 2011
NC_040605.1 | Sapelovirus | Marmota himalayana | China | 2013
OQ363777.1 | Shanbavirus | Rhinolophus sinicus | China | 2020
KU871313.1 | Mischivirus | Canis | United Arab Emirates | 2013
NC_016964.1 | Mischivirus | Canis lupus familiaris | Hong Kong | 2008
NC_076040.1 | Shanbavirus | Nyctalus velutinus | China | 2013
NC_076039.1 | Shanbavirus | Rhinolophus ferrumequinum | China | 2010
LC386162.1 | Sapelovirus | Sus scrofa | Japan | 2015
MK521918.1 | Sapelovirus | Sarcophilus harrisii | Australia | 2017
KY855433.1 | Sapelovirus | Marmota himalayana | China | 2013
OQ818325 | Unclassified picornavirus | Rousettus madagascariensis | Madagascar | 2018
OQ818328 | Unclassified picornavirus | Rousettus madagascariensis | Madagascar | 2018
PP766469 | Unclassified picornavirus | Rousettus madagascariensis | Madagascar | 2019
MZ576278.1 | Sapovirus | Homo sapiens | China | 2016
LC671561.1 | Sapovirus | Homo sapiens | Japan | 2020
KX980412.1 | Sapovirus | Homo sapiens | China | 2016
KT327081.1 | Sapovirus | Homo sapiens | China | 2014
LC715151.1 | Sapovirus | Homo sapiens | Japan | 2020
OR672554.1 | Sapovirus | Homo sapiens | China | 2022
MK111630.1 | Sapovirus | Homo sapiens | China | 2014
AY646854.2 | Sapovirus | Homo sapiens | Thailand | 2004
AY646853.2 | Sapovirus | Homo sapiens | Thailand | 2012
HM002617.1 | Sapovirus | Homo sapiens | Japan | 1982
NC_075724.1 | Sapovirus | Homo sapiens | Japan | 1982
AY237422.3 | Sapovirus | Homo sapiens | Japan | 2003
KP298674.1 | Sapovirus | Homo sapiens | South Korea | 2013
JX993277.1 | Sapovirus | Homo sapiens | Germany | 2012
OR517473.1 | Sapovirus | Homo sapiens | Nicaragua | 2017
AB614356.1 | Sapovirus | Homo sapiens | USA | 2016
MN102397.1 | Sapovirus | Homo sapiens | Taiwan | 2009
MK250983.1 | Sapovirus | Homo sapiens | Brazil | 2015
MN509083.1 | Sapovirus | Homo sapiens | USA | 2016
LC380411.1 | Sapovirus | Homo sapiens | Japan | 2005
OP255973.1 | Sapovirus | Homo sapiens | Netherlands | 2016
AB522390.3 | Sapovirus | Homo sapiens | Japan | 2008
AB623037.2 | Sapovirus | Homo sapiens | Japan | 2008
OK484997.1 | Sapovirus | Sus scrofa | China | 2020
KX000383.1 | Sapovirus | Sus scrofa | USA | 2009
LC215885.1 | Sapovirus | Sus scrofa | Japan | 2015
KX431437.1 | Sapovirus | Homo sapiens | Sweden | 2016
AY646856.2 | Sapovirus | Homo sapiens | Thailand | 2006
LC215895.1 | Sapovirus | Sus scrofa | Japan | 2015
MN102395.1 | Sapovirus | Homo sapiens | Taiwan | 2008
DQ058829.1 | Sapovirus | Homo sapiens | Japan | 2005
MG515473.1 | Sapovirus | Homo sapiens | China | 2015
MF944258.1 | Sapovirus | Homo sapiens | China | 2015
LC715150.1 | Sapovirus | Homo sapiens | Japan | 2022
AB630068.3 | Sapovirus | Homo sapiens | Japan | 2008
NC_006554.1 | Sapovirus | Sus scrofa | Japan | 2004
AY646855.2 | Sapovirus | Homo sapiens | Thailand | 2005
KX274477.1 | Sapovirus | Homo sapiens | Brazil | 2011
AB522397.2 | Sapovirus | Homo sapiens | Japan | 2008
MZ488272.1 | Sapovirus | Homo sapiens | Mexico | 2017
KP067444.1 | Sapovirus | Homo sapiens | Philippines | 2012
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AY237419.2 | Sapovirus | Homo sapiens | Thailand | 2002
MN102403.1 | Sapovirus | Homo sapiens | Taiwan | 2008
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AB689846.2 | Sapovirus | Homo sapiens | Japan | 2010
NC_010624.1 | Sapovirus | Homo sapiens | Thailand | 2003
MN102408.1 | Sapovirus | Homo sapiens | Taiwan | 2014
MN102407.1 | Sapovirus | Homo sapiens | Taiwan | 2014
MK599471.1 | Sapovirus | Homo sapiens | China | 2014
LC215878.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215877.1 | Sapovirus | Sus scrofa | Japan | 2015
MW316743.1 | Sapovirus | Sus scrofa | USA | 2019
KF204570.1 | Sapovirus | Sus scrofa | China | 2012
FJ387164.1 | Sapovirus | Sus scrofa | China | 2008
MK962337.1 | Sapovirus | Sus scrofa | Spain | 2017
LC215881.1 | Sapovirus | Sus scrofa | Japan | 2016
LC215884.1 | Sapovirus | Sus scrofa | Japan | 2016
OK484998.1 | Sapovirus | Sus scrofa | China | 2020
PP388958.1 | Sapovirus | Sus scrofa | China | 2023
LC215882.1 | Sapovirus | Sus scrofa | Japan | 2016
LC215883.1 | Sapovirus | Sus scrofa | Japan | 2016
NC_000940.1 | Sapovirus | Homo sapiens | USA | 1999
LC215875.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215876.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215879.1 | Sapovirus | Sus scrofa | Japan | 2016
LC215874.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215880.1 | Sapovirus | Sus scrofa | Japan | 2016
KX759620.1 | Sapovirus | Eidolon helvum | Cameroon | 2014
NC_033776.1 | Sapovirus | Eidolon helvum | Cameroon | 2014
KX759622.1 | Sapovirus | Eidolon helvum | Cameroon | 2014
KX759621.1 | Sapovirus | Eidolon helvum | Cameroon | 2014
KX759618.1 | Sapovirus | Eidolon helvum | Cameroon | 2014
OP963623.1 | Sapovirus | Rousettus leschenaultii | China | 2017
PP766459 | Sapovirus | Eidolon dupreanum | Madagascar | 2018
OQ818319 | Sapovirus | Eidolon dupreanum | Madagascar | 2018
PP766460 | Sapovirus | Eidolon dupreanum | Madagascar | 2018
KX759619.1 | Sapovirus | Eidolon helvum | Cameroon | 2014
OR951131.1 | Sapovirus | Taphozous melanopogon | China | 2017
NC_017936.1 | Sapovirus | Chiroptera | Hong Kong | 2001
LC469052.1 | Sapovirus | Sus scrofa | Japan | 2018
LC215902.1 | Sapovirus | Sus scrofa | Japan | 2016
LC215899.2 | Sapovirus | Sus scrofa | Japan | 2016
LC215898.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215901.1 | Sapovirus | Sus scrofa | Japan | 2016
LC215900.1 | Sapovirus | Sus scrofa | Japan | 2016
LC215897.2 | Sapovirus | Sus scrofa | Japan | 2016
PP105600.1 | Sapovirus | Canis aureus | Hungary | 2020
LC215896.2 | Sapovirus | Sus scrofa | Japan | 2016
AY974192.2 | Sapovirus | Sus scrofa | USA | 2000
KJ508818.1 | Sapovirus | Sus scrofa | USA | 2000
LC215887.1 | Sapovirus | Sus scrofa | Japan | 2016
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LC215888.1 | Sapovirus | Sus scrofa | Japan | 2016
LC215892.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215894.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215889.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215890.1 | Sapovirus | Sus scrofa | Japan | 2015
MF766258.1 | Sapovirus | Sus scrofa | China | 2017
LC215891.1 | Sapovirus | Sus scrofa | Japan | 2015
LC215893.1 | Sapovirus | Sus scrofa | Japan | 2015
KX000384.1 | Sapovirus | Sus scrofa | USA | 2011
MH003837.1 | Sapovirus | Rattus norvegicus | China | 2016
OQ709197.1 | Sapovirus | Rousettus leschenaultii | China | 2018
0.3
Host
Bat host
Non−bat host
Genus
Cardiovirus
Hepatovirus
Kobuvirus
Kunsagivirus
Mischivirus
Sapelovirus
Sapovirus
Shanbavirus
Teschovirus
Unclassified picornavirus
Bootstrap
100
75
50
25
0