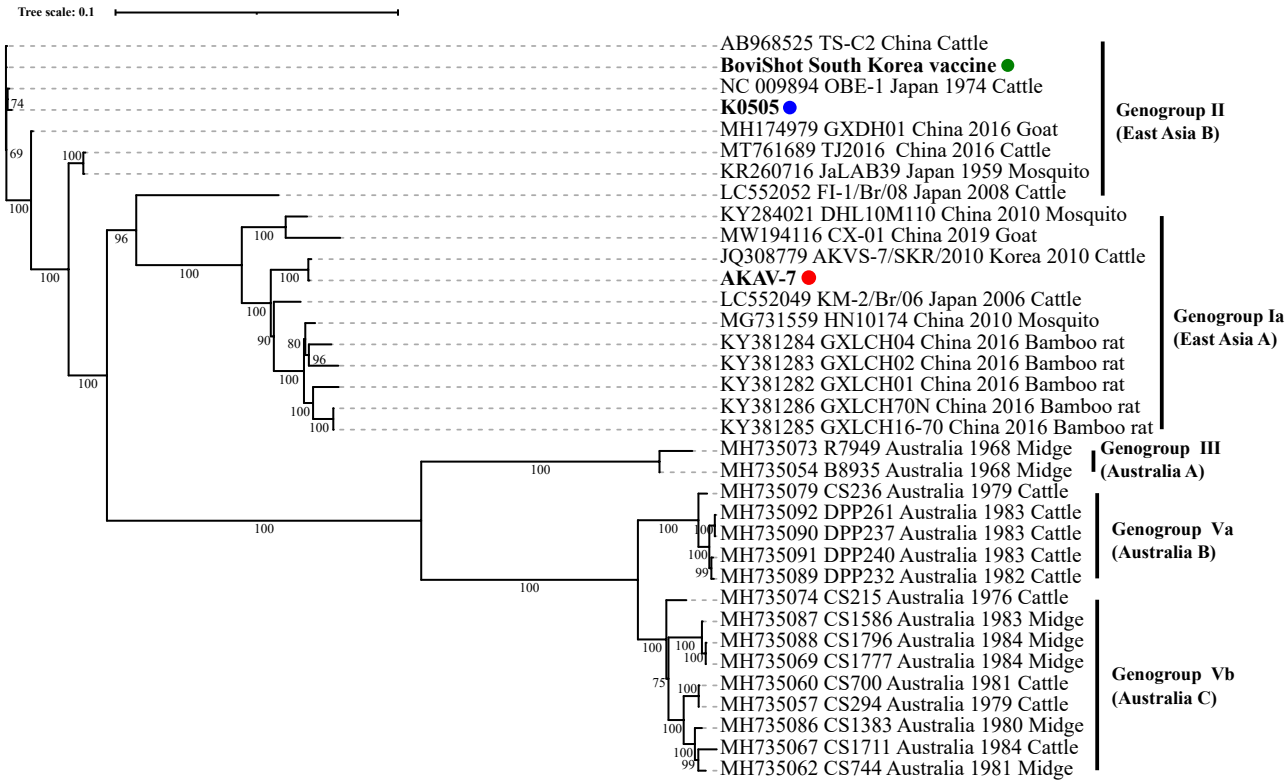
(A)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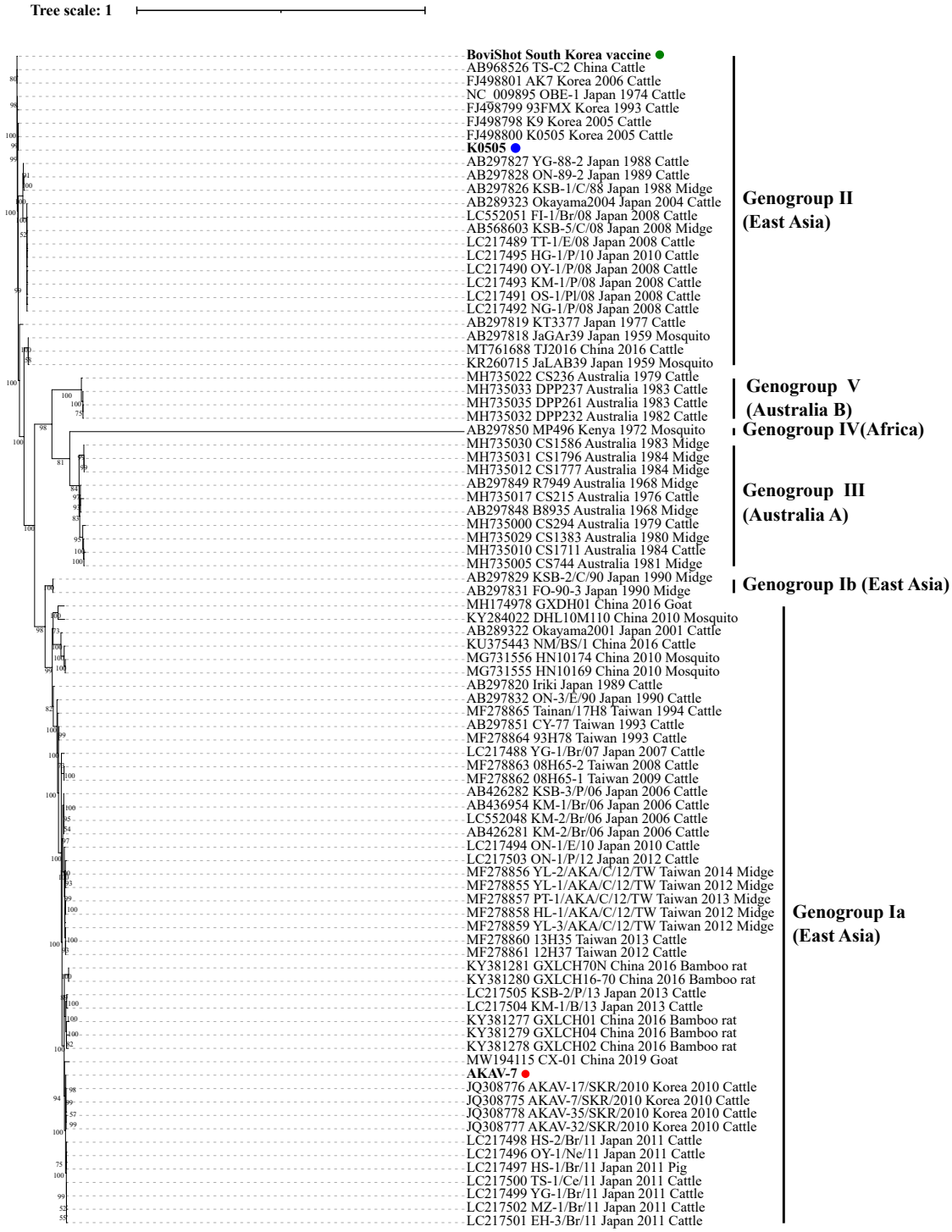
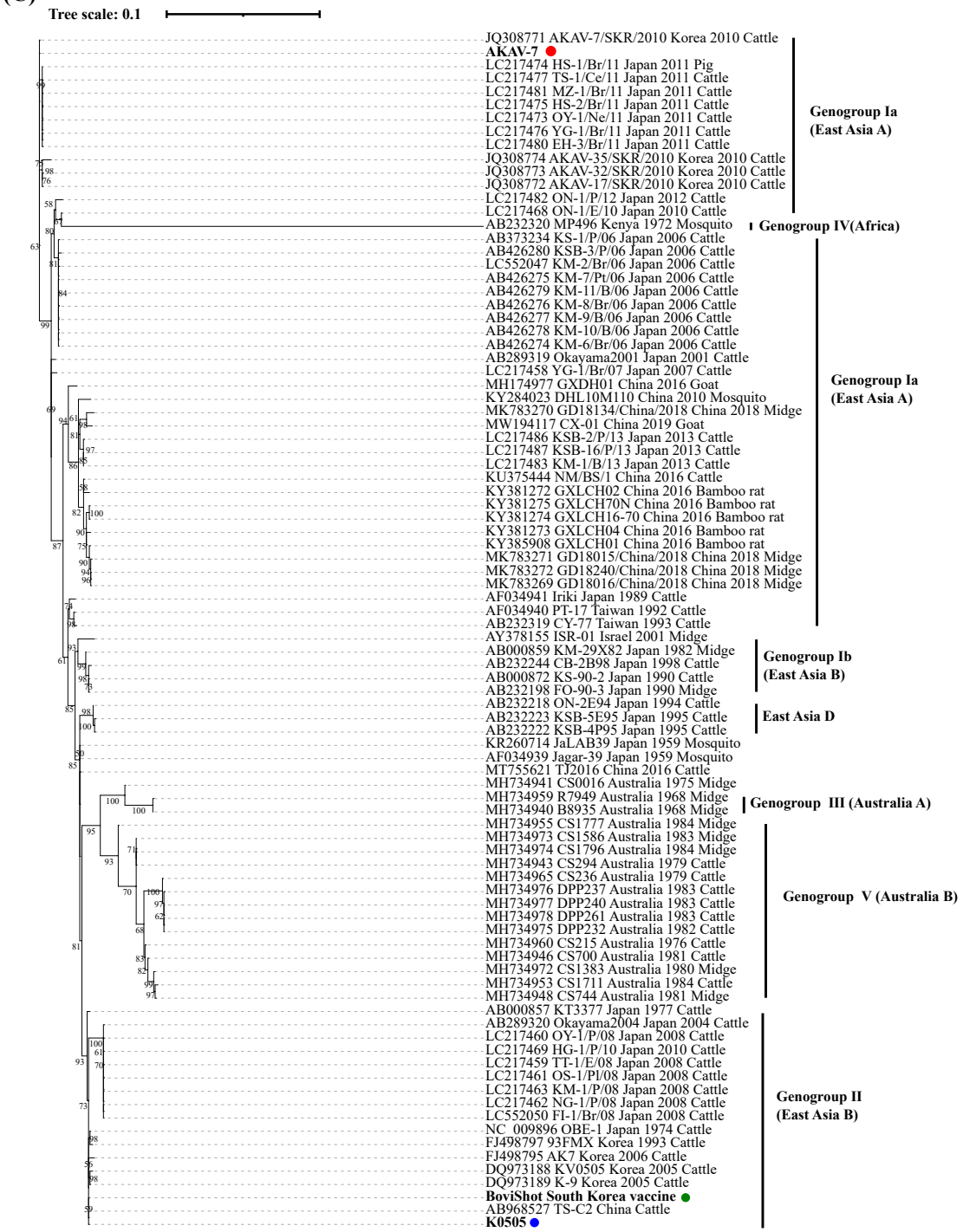
AB968525 TS-C2 China Cattle
BoviShot South Korea vaccine
NC 009894 OBE-1 Japan 1974 Cattle
K0505
MH174979 GXDH01 China 2016 Goat
MT761689 TJ2016 China 2016 Cattle
KR260716 JaLAB39 Japan 1959 Mosquito
LC552052 FI-1/Br/08 Japan 2008 Cattle
KY284021 DHL10M110 China 2010 Mosquito
MW194116 CX-01 China 2019 Goat
JQ308779 AKVS-7/SKR/2010 Korea 2010 Cattle
AKAV-7
LC552049 KM-2/Br/06 Japan 2006 Cattle
MG731559 HN10174 China 2010 Mosquito
KY381284 GXLCH04 China 2016 Bamboo rat
KY381283 GXLCH02 China 2016 Bamboo rat
KY381282 GXLCH01 China 2016 Bamboo rat
KY381286 GXLCH70N China 2016 Bamboo rat
KY381285 GXLCH16-70 China 2016 Bamboo rat
MH735073 R7949 Australia 1968 Midge
MH735054 B8935 Australia 1968 Midge
MH735079 CS236 Australia 1979 Cattle
MH735092 DPP261 Australia 1983 Cattle
MH735090 DPP237 Australia 1983 Cattle
MH735091 DPP240 Australia 1983 Cattle
MH735089 DPP232 Australia 1982 Cattle
MH735074 CS215 Australia 1976 Cattle
MH735087 CS1586 Australia 1983 Midge
MH735088 CS1796 Australia 1984 Midge
MH735069 CS1777 Australia 1984 Midge
MH735060 CS700 Australia 1981 Cattle
MH735057 CS294 Australia 1979 Cattle
MH735086 CS1383 Australia 1980 Midge
MH735067 CS1711 Australia 1984 Cattle
MH735062 CS744 Australia 1981 Midge
Genogroup II (East Asia B)
Genogroup Ia (East Asia A)
Genogroup III (Australia A)
Genogroup Va (Australia B)
Genogroup Vb (Australia C)

(B)


Tree scale: 1
BoviShot South Korea vaccine
AB968526 TS-C2 China Cattle
FJ498801 AK7 Korea 2006 Cattle
NC_009895 OBE-1 Japan 1974 Cattle
FJ498799 93FMX Korea 1993 Cattle
FJ498798 K9 Korea 2005 Cattle
FJ498800 K0505 Korea 2005 Cattle
K0505
AB297827 YG-88-2 Japan 1988 Cattle
AB297828 ON-89-2 Japan 1989 Cattle
AB297826 KSB-1/C/88 Japan 1988 Midge
AB289323 Okayama2004 Japan 2004 Cattle
LC552051 FI-1/Br/08 Japan 2008 Cattle
AB568603 KSB-5/C/08 Japan 2008 Midge
LC217489 TT-1/E/08 Japan 2008 Cattle
LC217495 HG-1/P/10 Japan 2010 Cattle
LC217490 OY-1/P/08 Japan 2008 Cattle
LC217493 KM-1/P/08 Japan 2008 Cattle
LC217491 OS-1/Pl/08 Japan 2008 Cattle
LC217492 NG-1/P/08 Japan 2008 Cattle
AB297819 KT3377 Japan 1977 Cattle
AB297818 JaGAr39 Japan 1959 Mosquito
MT761688 TJ2016 China 2016 Cattle
KR260715 JaLAB39 Japan 1959 Mosquito
Genogroup II (East Asia)
MH735022 CS236 Australia 1979 Cattle
MH735033 DPP237 Australia 1983 Cattle
MH735035 DPP261 Australia 1983 Cattle
MH735032 DPP232 Australia 1982 Cattle
Genogroup V (Australia B)
AB297850 MP496 Kenya 1972 Mosquito
Genogroup IV(Africa)
MH735030 CS1586 Australia 1983 Midge
MH735031 CS1796 Australia 1984 Midge
MH735012 CS1777 Australia 1984 Midge
AB297849 R7949 Australia 1968 Midge
MH735017 CS215 Australia 1976 Cattle
AB297848 B8935 Australia 1968 Midge
MH735000 CS294 Australia 1979 Cattle
MH735029 CS1383 Australia 1980 Midge
MH735010 CS1711 Australia 1984 Cattle
MH735005 CS744 Australia 1981 Midge
Genogroup III (Australia A)
AB297829 KSB-2/C/90 Japan 1990 Midge
AB297831 FO-90-3 Japan 1990 Midge
Genogroup Ib (East Asia)
MH174978 GXDH01 China 2016 Goat
KY284022 DHL10M110 China 2010 Mosquito
AB289322 Okayama2001 Japan 2001 Cattle
KU375443 NM/BS/1 China 2016 Cattle
MG731556 HN10174 China 2010 Mosquito
MG731555 HN10169 China 2010 Mosquito
AB297820 Iriki Japan 1989 Cattle
AB297832 ON-3/E/90 Japan 1990 Cattle
MF278865 Tainan/17H8 Taiwan 1994 Cattle
AB297851 CY-77 Taiwan 1993 Cattle
MF278864 93H78 Taiwan 1993 Cattle
LC217488 YG-1/Br/07 Japan 2007 Cattle
MF278863 08H65-2 Taiwan 2008 Cattle
MF278862 08H65-1 Taiwan 2009 Cattle
AB426282 KSB-3/P/06 Japan 2006 Cattle
AB436954 KM-1/Br/06 Japan 2006 Cattle
LC552048 KM-2/Br/06 Japan 2006 Cattle
AB426281 KM-2/Br/06 Japan 2006 Cattle
LC217494 ON-1/E/10 Japan 2010 Cattle
LC217503 ON-1/P/12 Japan 2012 Cattle
MF278856 YL-2/AKA/C/12/TW Taiwan 2014 Midge
MF278855 YL-1/AKA/C/12/TW Taiwan 2012 Midge
MF278857 PT-1/AKA/C/12/TW Taiwan 2013 Midge
MF278858 HL-1/AKA/C/12/TW Taiwan 2012 Midge
MF278859 YL-3/AKA/C/12/TW Taiwan 2012 Midge
MF278860 13H35 Taiwan 2013 Cattle
MF278861 12H37 Taiwan 2012 Cattle
KY381281 GXLCH70N China 2016 Bamboo rat
KY381280 GXLCH16-70 China 2016 Bamboo rat
LC217505 KSB-2/P/13 Japan 2013 Cattle
LC217504 KM-1/B/13 Japan 2013 Cattle
KY381277 GXLCH01 China 2016 Bamboo rat
KY381279 GXLCH04 China 2016 Bamboo rat
KY381278 GXLCH02 China 2016 Bamboo rat
MW194115 CX-01 China 2019 Goat
AKAV-7
JQ308776 AKAV-17/SKR/2010 Korea 2010 Cattle
JQ308775 AKAV-7/SKR/2010 Korea 2010 Cattle
JQ308778 AKAV-35/SKR/2010 Korea 2010 Cattle
JQ308777 AKAV-32/SKR/2010 Korea 2010 Cattle
LC217498 HS-2/Br/11 Japan 2011 Cattle
LC217496 OY-1/Ne/11 Japan 2011 Cattle
LC217497 HS-1/Br/11 Japan 2011 Pig
LC217500 TS-1/Ce/11 Japan 2011 Cattle
LC217499 YG-1/Br/11 Japan 2011 Cattle
LC217502 MZ-1/Br/11 Japan 2011 Cattle
LC217501 EH-3/Br/11 Japan 2011 Cattle
Genogroup Ia (East Asia)

(C)


Tree scale: 0.1
JQ308771 AKAV-7/SKR/2010 Korea 2010 Cattle
AKAV-7
LC217474 HS-1/Br/11 Japan 2011 Pig
LC217477 TS-1/Ce/11 Japan 2011 Cattle
LC217481 MZ-1/Br/11 Japan 2011 Cattle
LC217475 HS-2/Br/11 Japan 2011 Cattle
LC217473 OY-1/Ne/11 Japan 2011 Cattle
LC217476 YG-1/Br/11 Japan 2011 Cattle
LC217480 EH-3/Br/11 Japan 2011 Cattle
JQ308774 AKAV-35/SKR/2010 Korea 2010 Cattle
JQ308773 AKAV-32/SKR/2010 Korea 2010 Cattle
JQ308772 AKAV-17/SKR/2010 Korea 2010 Cattle
LC217482 ON-1/P/12 Japan 2012 Cattle
LC217468 ON-1/E/10 Japan 2010 Cattle
AB232320 MP496 Kenya 1972 Mosquito
AB373234 KS-1/P/06 Japan 2006 Cattle
AB426280 KSB-3/P/06 Japan 2006 Cattle
LC552047 KM-2/Br/06 Japan 2006 Cattle
AB426275 KM-7/Pt/06 Japan 2006 Cattle
AB426279 KM-11/B/06 Japan 2006 Cattle
AB426276 KM-8/Br/06 Japan 2006 Cattle
AB426277 KM-9/B/06 Japan 2006 Cattle
AB426278 KM-10/B/06 Japan 2006 Cattle
AB426274 KM-6/Br/06 Japan 2006 Cattle
AB289319 Okayama2001 Japan 2001 Cattle
LC217458 YG-1/Br/07 Japan 2007 Cattle
MH174977 GXDH01 China 2016 Goat
KY284023 DHL10M110 China 2010 Mosquito
MK783270 GD18134/China/2018 China 2018 Midge
MW194117 CX-01 China 2019 Goat
LC217486 KSB-2/P/13 Japan 2013 Cattle
LC217487 KSB-16/P/13 Japan 2013 Cattle
LC217483 KM-1/B/13 Japan 2013 Cattle
KU375444 NM/BS/1 China 2016 Cattle
KY381272 GXLCH02 China 2016 Bamboo rat
KY381275 GXLCH70N China 2016 Bamboo rat
KY381274 GXLCH16-70 China 2016 Bamboo rat
KY381273 GXLCH04 China 2016 Bamboo rat
KY385908 GXLCH01 China 2016 Bamboo rat
MK783271 GD18015/China/2018 China 2018 Midge
MK783272 GD18240/China/2018 China 2018 Midge
MK783269 GD18016/China/2018 China 2018 Midge
AF034941 Iriki Japan 1989 Cattle
AF034940 PT-17 Taiwan 1992 Cattle
AB232319 CY-77 Taiwan 1993 Cattle
AY378155 ISR-01 Israel 2001 Midge
AB000859 KM-29X82 Japan 1982 Midge
AB232244 CB-2B98 Japan 1998 Cattle
AB000872 KS-90-2 Japan 1990 Cattle
AB232198 FO-90-3 Japan 1990 Midge
AB232218 ON-2E94 Japan 1994 Cattle
AB232223 KSB-5E95 Japan 1995 Cattle
AB232222 KSB-4P95 Japan 1995 Cattle
KR260714 JaLAB39 Japan 1959 Mosquito
AF034939 Jagar-39 Japan 1959 Mosquito
MT755621 TJ2016 China 2016 Cattle
MH734941 CS0016 Australia 1975 Midge
MH734959 R7949 Australia 1968 Midge
MH734940 B8935 Australia 1968 Midge
MH734955 CS1777 Australia 1984 Midge
MH734973 CS1586 Australia 1983 Midge
MH734974 CS1796 Australia 1984 Midge
MH734943 CS294 Australia 1979 Cattle
MH734965 CS236 Australia 1979 Cattle
MH734976 DPP237 Australia 1983 Cattle
MH734977 DPP240 Australia 1983 Cattle
MH734978 DPP261 Australia 1983 Cattle
MH734975 DPP232 Australia 1982 Cattle
MH734960 CS215 Australia 1976 Cattle
MH734946 CS700 Australia 1981 Cattle
MH734972 CS1383 Australia 1980 Midge
MH734953 CS1711 Australia 1984 Cattle
MH734948 CS744 Australia 1981 Midge
AB000857 KT3377 Japan 1977 Cattle
AB289320 Okayama2004 Japan 2004 Cattle
LC217460 OY-1/P/08 Japan 2008 Cattle
LC217469 HG-1/P/10 Japan 2010 Cattle
LC217459 TT-1/E/08 Japan 2008 Cattle
LC217461 OS-1/Pl/08 Japan 2008 Cattle
LC217463 KM-1/P/08 Japan 2008 Cattle
LC217462 NG-1/P/08 Japan 2008 Cattle
LC552050 FI-1/Br/08 Japan 2008 Cattle
NC 009896 OBE-1 Japan 1974 Cattle
FJ498797 93FMX Korea 1993 Cattle
FJ498795 AK7 Korea 2006 Cattle
DQ973188 KV0505 Korea 2005 Cattle
DQ973189 K-9 Korea 2005 Cattle
BoviShot South Korea vaccine
AB968527 TS-C2 China Cattle
K0505
Genogroup Ia (East Asia A)
Genogroup IV(Africa)
Genogroup Ia (East Asia A)
Genogroup Ib (East Asia B)
East Asia D
Genogroup III (Australia A)
Genogroup V (Australia B)
Genogroup II (East Asia B)