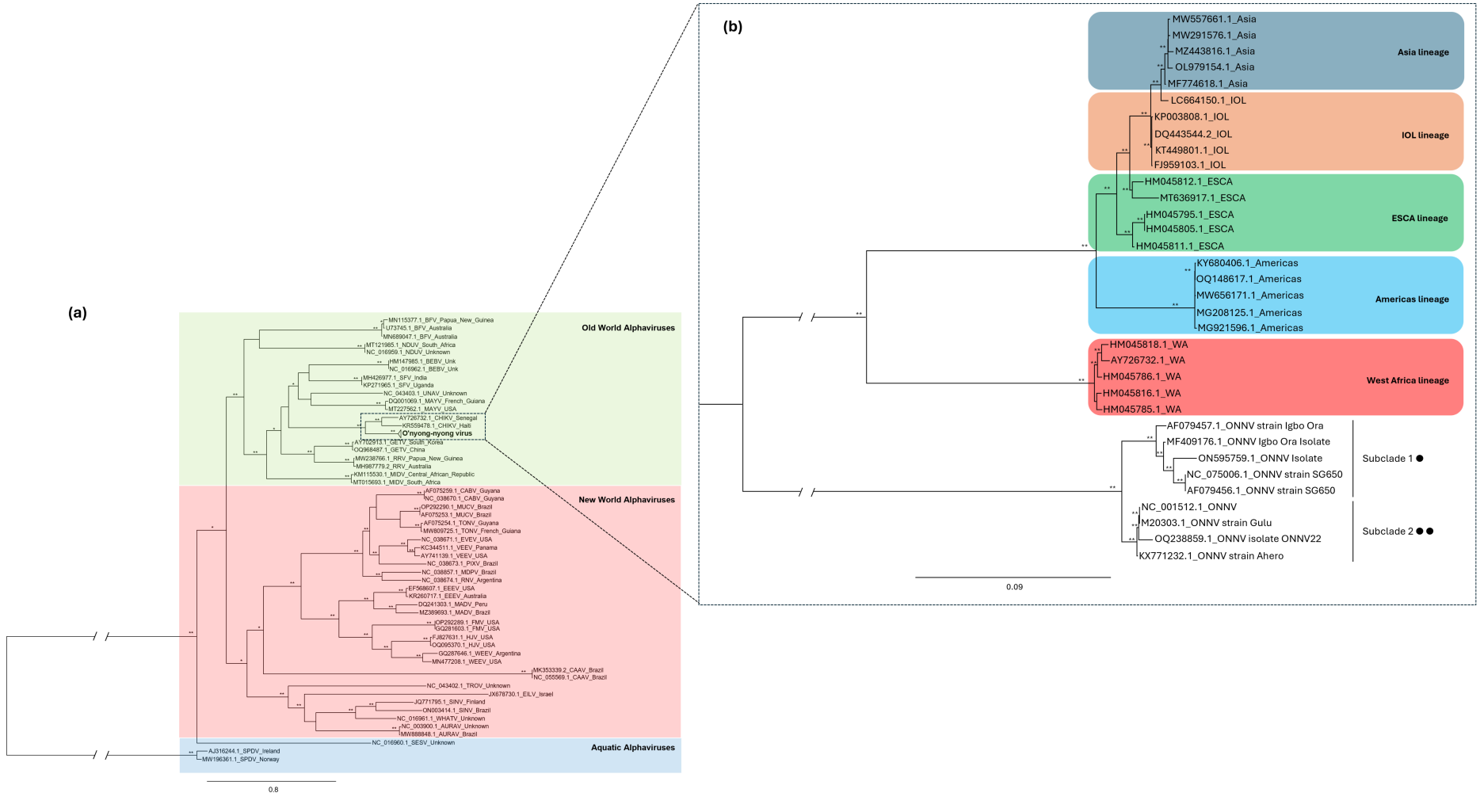

(a)
Old World Alphaviruses
New World Alphaviruses
Aquatic Alphaviruses
MN115377.1_BFV_Papua_New_Guinea
U73745.1_BFV_Australia
MN689047.1_BFV_Australia
MT121985.1_NDUV_South_Africa
NC_016959.1_NDUV_Unknown
HM147985.1_BEBV_Unk
NC_016962.1_BEBV_Unk
MH426977.1_SFV_India
KP271965.1_SFV_Uganda
NC_043403.1_UNAV_Unknown
DQ001069.1_MAYV_French_Guiana
MT227562.1_MAYV_USA
AY726732.1_CHIKV_Senegal
KR559478.1_CHIKV_Haiti
O'nyong-nyong virus
AY702913.1_GETV_South_Korea
OQ968487.1_GETV_China
MW238766.1_RRV_Papua_New_Guinea
MH987779.2_RRV_Australia
KM115530.1_MIDV_Central_African_Republic
MT015693.1_MIDV_South_Africa
AF075259.1_CABV_Guyana
NC_038670.1_CABV_Guyana
OP292290.1_MUCV_Brazil
AF075253.1_MUCV_Brazil
AF075254.1_TONV_Guyana
MW809725.1_TONV_French_Guiana
NC_038671.1_EVEV_USA
KC344511.1_VEEV_Panama
AY741139.1_VEEV_USA
NC_038673.1_PIXV_Brazil
NC_038857.1_MDPV_Brazil
NC_038674.1_RNV_Argentina
EF568607.1_EEEV_USA
KR260717.1_EEEV_Australia
DQ241303.1_MADV_Peru
MZ389693.1_MADV_Brazil
OP292289.1_FMV_USA
GQ281603.1_FMV_USA
FJ827631.1_HJV_USA
OQ095370.1_HJV_USA
GQ287646.1_WEEV_Argentina
MN477208.1_WEEV_USA
MK353339.2_CAAV_Brazil
NC_055569.1_CAAV_Brazil
NC_043402.1_TROV_Unknown
JX878730.1_EILV_Israel
JQ771795.1_SINV_Finland
ON003414.1_SINV_Brazil
NC_016961.1_WHATV_Unknown
NC_003900.1_AURAV_Unknown
MW888848.1_AURAV_Brazil
NC_016960.1_SESV_Unknown
AJ316244.1_SPDV_Ireland
MW196361.1_SPDV_Norway
0.8
(b)
Asia lineage
MW557661.1_Asia
MW291576.1_Asia
MZ443816.1_Asia
OL979154.1_Asia
MF774618.1_Asia
IOL lineage
LC664150.1_IOL
KP003808.1_IOL
DQ443544.2_IOL
KT449801.1_IOL
FJ959103.1_IOL
ESCA lineage
HM045812.1_ESCA
MT636917.1_ESCA
HM045795.1_ESCA
HM045805.1_ESCA
HM045811.1_ESCA
Americas lineage
KY680406.1_Americas
OQ148617.1_Americas
MW656171.1_Americas
MG208125.1_Americas
MG921596.1_Americas
West Africa lineage
HM045818.1_WA
AY726732.1_WA
HM045786.1_WA
HM045816.1_WA
HM045785.1_WA
AF079457.1_ONNV strain Igbo Ora
MF409176.1_ONNV Igbo Ora Isolate
ON595759.1_ONNV Isolate
NC_075006.1_ONNV strain SG650
AF079456.1_ONNV strain SG650
Subclade 1 ●
NC_001512.1_ONNV
M20303.1_ONNV strain Gulu
OQ238859.1_ONNV isolate ONNV22
KX771232.1_ONNV strain Ahero
Subclade 2 ● ●
0.09