**Supplementary Table 1**: Details of the LASV and MOPV sequences used for phylogenetic analysis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Clade | Country | Year Isolated | Strain Name | Genbank# S | Genbank# L | Reference |
| 1 | Nigeria | 1969 | Pinneo | KM822128.1 | KM822127.1 | (Andersen et al., 2015) |
| 2 | Nigeria | 1974 | 810801-NIG-1974 | MG812681 | MG812680 | N/A |
| 2 | Nigeria | 1989 | 806593-NIG-1989 | KU978811.1 | KU978812.1 | N/A |
| 2 | Nigeria | 2008 | Nig08-04 | GU481068.1 | GU481069.1 | (Ehichioya et al., 2010) |
| 2 | Nigeria | 2008 | Nig08-A47 | GU481078.1 | GU481079.1 | (Ehichioya et al., 2011) |
| 2 | Nigeria | 2009 | LASV035-NIG-2009 | KM822004 | KM822003 | (Andersen et al., 2015) |
| 2 | Nigeria | 2010 | LASV221-NIG-2010 | KM822022 | KM822021 | (Andersen et al., 2015) |
| 2 | Nigeria | 2011 | ISTH0009-NIG-2011 | KM821912.1 | KM821911.1 | (Andersen et al., 2015) |
| 2 | Nigeria | 2012 | ISTH1121-NIG-2012 | KM821945.1 | KM821944.1 | (Andersen et al., 2015) |
| 3 | Nigeria | 1981 | 807876-NIG-1981 | MG812635 | MG812634 | N/A |
| 3 | Nigeria | 2008 | Nig08-A18 | GU481070.1 | GU481071.1 | (Ehichioya et al., 2010) |
| 3 | Nigeria | 2008 | Nig08-A19 | GU481072.1 | GU481073.1 | (Ehichioya et al., 2010) |
| 4 | Liberia | 1972 | 803204-LBR-1972 | MG812648 | MG812649 | N/A |
| 4 | Sierra Leone | 1975 | 803209-SLE-1975 | MG812647 | MG812646 | N/A |
| 4 | Sierra Leone | 1976 | Josiah | AY628203.1 | AY628202.1 | N/A |
| 4 | Sierra Leone | 1977 | 806827-SLE-1977 | MG812639 | MG812638 | N/A |
| 4 | Sierra Leone | 1979 | 806568-SLE-1979 | MG812643 | MG812642 | N/A |
| 4 | Liberia | 1980 | Z148 | AY628205.1 | AY628204.1 | N/A |
| 4 | Liberia | 1981 | 806829-LBR-1981 | MG812636 | MG812637 | N/A |
| 4 | Guinea | 1981 | Macenta | AY628201.1 | AY628200.1 | N/A |
| 4 | Guinea | 1996 | Guinea Faranah | KU978807.1 | KU978808.1 | N/A |
| 4 | Sierra Leone | 2000 | NL | AY179173.1 | AY179172.1 | (Schmitz et al., 2002) |
| 4 | Sierra Leone | 2009 | G502-SLE-2009 | KM821773.1 | KM821772.1 | (Andersen et al., 2015) |
| 4 | Sierra Leone | 2009 | G692-SLE-2009 | KM821783.1 | KM821782.1 | (Andersen et al., 2015) |
| 4 | Sierra Leone | 2009 | L395-SLE-2009 | KM822115 | KM822114 | (Andersen et al., 2015) |
| 4 | Liberia | 2010 | 811606-LBR-USA-2010 | MG812679 | MG812678 | N/A |
| 4 | Sierra Leone | 2010 | G1180-SLE-2010 | KM821794.1 | KM821793.1 | (Andersen et al., 2015) |
| 4 | Sierra Leone | 2011 | G1442-SLE-2011 | KM821800.1 | KM821799.1 | (Andersen et al., 2015) |
| 4 | Sierra Leone | 2011 | G2222-SLE-2011 | KM821832.1 | KM821831.1 | (Andersen et al., 2015) |
| 4 | Sierra Leone | 2012 | G2259-SLE-2012 | KM821835.1 | KM821834.1 | (Andersen et al., 2015) |
| 4 | Sierra Leone | 2012 | LM779-SLE-2012 | KM822126 | KM822125 | (Andersen et al., 2015) |
| 4 | Sierra Leone | 2013 | G3010-SLE-2013 | KM821882.1 | KM821881.1 | (Andersen et al., 2015) |
| 4 | Liberia | 2014 | 812337-LBR-USA-2014 | MG812658 | MG812659 | N/A |
| 4 | Liberia | 2015 | 812673-LBR-USA-2015 | MG812650 | MG812651 | N/A |
| 5 | Ghana, CI, BF | 2000 | AV | AF246121.2 | AY179171.1 | (Günther et al., 2000) |
| 5 | Mali | 2012 | Bamba-R114 | KF478766.1 | KF478761.1 | (Safronetz et al., 2013) |
| 5 | Mali | 2012 | Komina-R16 | KF478767.1 | KF478760.1 | (Safronetz et al., 2013) |
| 5 | Mali | 2012 | Ouoma-R123 | KF478768.1 | KF478764.1 | (Safronetz et al., 2013) |
| 5 | Mali | 2012 | Soromba-R | KF478765.1 | KF478762.1 | (Safronetz et al., 2013) |
| 5 | Mali | 2012 | Soromba-R30 | KF478769.1 | KF478763.1 | (Safronetz et al., 2013) |
| 6 | Togo | 2016 | Togo/2016/7082 | KU961971.1 | KU961972.2 | N/A |
| N/A | Mozambique | 1972 | Mopeia AN20410 | AY772170.1 | AY772169.1 | (Wulff et al., 1977) |
| N/A | Mozambique | unknown | Mopeia Mozambique | DQ328874.1 | DQ328875.1 | (Emonet et al., 2006) |
| N/A | N/A | N/A | rJosiah | HQ688673.1 | HQ688675.1 | (Albariño et al., 2011) |

References included where applicable. CI, Côte d’Ivoire; BF, Burkina Faso; N/A, not applicable.

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