LSD RESULTS:

-Public 2018:

rate 1.094e-03 [1.000e-10 , 6.470e-03] , tMRCA 2009.147237 [-127495183.630384 , 2016.630371] , objective function 1.767990e-03

-Early 2014:

rate 3.437e-04 [1.000e-10 , 1.668e-03] , tMRCA 2014.215720 [-5997985.506852 , 2014.455654] , objective function 6.120597e-05

-Liberia 2014:

rate 1.960e-04 [1.000e-10 , 5.017e-04] , tMRCA 2010.190703 [-13584139.119445 , 2013.497073] , objective function 2.363974e-03

-2018-2019

* Subset 1:

rate 2.016e-05 [1.000e-10 , 1.377e-04] , tMRCA 1981.171283 [-17392986.929554 , 2014.597862] , objective function 3.146194e-03

* Subset 2:

rate 7.969e-05 [1.000e-10 , 2.521e-04] , tMRCA 1989.099907 [-46700180.199576 , 2011.720654] , objective function 5.368879e-03

* Subset 3:

rate 2.482e-05 [1.000e-10 , 2.396e-04] , tMRCA 2008.730710 [-7735865.841901 , 2018.142516] , objective function 6.521778e-04

-2014 large:

* 2012-2014.5

rate 1.000e-10 [1.000e-10 , 1.662e-03] , tMRCA -3581115.707133 [-10243104.056011 , 2014.090183] , objective function 6.256022e-04

* 2014.5-2015

rate 2.656e-04 [1.000e-10 , 7.338e-04] , tMRCA 2011.216508 [-12842614.943840 , 2013.917999] , objective function 4.566595e-03

* 2015-2015.5

rate 5.578e-04 [1.000e-10 , 1.231e-03] , tMRCA 2013.545861 [-16155662.043944 , 2014.505477] , objective function 2.329221e-03

* 2015.5-2016

rate 2.186e-04 [1.000e-10 , 1.208e-03] , tMRCA 2011.319864 [-19150473.029034 , 2014.925946] , objective function 2.840948e-03

* Guinea

rate 3.412e-04 [9.337e-05 , 6.105e-04] , tMRCA 2011.720106 [1999.969182 , 2013.794776] , objective function 5.152472e-03

* Democratic republic of Congo

rate 6.151e-03 [4.033e-03 , 1.016e-02] , tMRCA 2014.502522 [2014.314204 , 2014.502522] , objective function 1.133937e-03

* Liberia

rate 2.267e-04 [1.000e-10 , 5.051e-04] , tMRCA 2010.891799 [-14350747.017736 , 2013.439429] , objective function 2.419096e-03

* Sierra Leone
* 2012-2014.5

rate 1.624e-04 [1.000e-10 , 2.758e-03] , tMRCA 2013.164373 [-9350693.581542 , 2014.452921] , objective function 7.031682e-05

* 2014.5-2015

rate 2.325e-04 [1.000e-10 , 7.502e-04] , tMRCA 2012.349859 [-12884805.391289 , 2013.909764] , objective function 3.242226e-03

* 2015-2015.5

rate 3.378e-04 [1.000e-10 , 6.820e-04] , tMRCA 2011.931610 [-21351111.083752 , 2013.837498] , objective function 2.228571e-03

* 2015.5-2016

rate 9.567e-04 [1.000e-10 , 2.877e-03] , tMRCA 2014.573900 [-13788937.867206 , 2015.199100] , objective function 1.675207e-03

Democratic republic of the Congo

* Complete\_DRC

rate 7.875e-05 [1.000e-10 , 1.846e-04] , tMRCA 1801.539771 [-178687153.755158 , 1923.335824] , objective function 4.527496e-02

* 2014\_all

rate 2.527e-03 [1.000e-10 , 6.720e-03] , tMRCA 2008.029823 [-200071104.556917 , 2012.155458] , objective function 1.002985e-03

* 2014\_cladeA

rate 1.000e-10 [1.000e-10 , 1.658e-03] , tMRCA -6706838.242195 [-16027068.102758 , 2014.464555] , objective function 4.856319e-04

* 2014\_cladeB

rate 1.565e-03 [1.000e-10 , 1.566e-02] , tMRCA 2014.331339 [-8798507.045663 , 2014.452921] , objective function 2.858871e-05

* 2018\_all

rate 7.775e-04 [1.000e-10 , 1.213e-02] , tMRCA 2006.072159 [-136414004.915771 , 2017.648081] , objective function 2.247380e-04

* 2018\_cladeA

rate 4.515e-04 [1.000e-10 , 3.343e-03] , tMRCA 2018.237660 [-6865723.621057 , 2018.612232] , objective function 1.564826e-04

* 2018\_cladeB

rate 2.525e-03 [1.000e-10 , 2.045e-02] , tMRCA 2018.356725 [-7248561.623315 , 2018.411938] , objective function 2.177675e-05