ebola\_early2014\_sc\_het + ebola\_early2014\_ucld\_het

-after adding uniform prior the rate is E-5 (previously was E-6)

-Best model is still sc\_het

-weird regression

2014.5-2015\_sierra\_leone\_max200\_sc\_het

- root=1753,

2014.5-2015\_sierra\_leone\_max200\_ucld\_het

-root=2008

-was the best fitting model

guinea\_subset\_sc\_iso + subset1\_aln\_ucld\_het

-fix mle.results file (mcmc didn’t fully run but gave good results)

Democratic Republic of the Congo analyses

2014:

All (UCLD+ISO)

🡪Best model is isochronous but p value is 1

🡪regression: SC+ISO

dcr\_all\_2014\_sc\_het

-root=2007

dcr\_all\_2014\_ucld\_het

-rate=E-2

Clade A (SC+HET)

🡪Best model is Heterochronous (rate= 4.882E-4) but p value is 0

🡪UCLD+ISO and SC+HET: MLE scores are very similar

🡪regression: UCLD+ISO

Clade B (UCLD+ISO)

🡪 Best model is isochronous but p value is 0.98

🡪Very different rate values between SC+HET (1.2071) and UCLD+HET (1.2643E-4)

🡪UCLD, 2 distinct groups

2018:

All (UCLD+HET)

🡪p value: 0.89

🡪regression: UCLD+HET

Clade A

🡪regression: UCLD

dcr\_cladeA\_2018\_sc\_het

-root=1936

-mean rate=E-6

Clade B (SC+HET)

🡪Best fitting model: SC+HET (weird trace)

🡪Low rates from BEAST (E-5), higher rates from tempest and LSD (E-3)

🡪regression: UCLD+HET

dcr\_cladeB\_2018\_sc\_het (weird trace) + dcr\_cladeB\_2018\_ucld\_het

-mean rates=E-5