| Segment | Full Substitution rate | Full TMRCA | Subset Substitution rate | Subset TMRCA |
|---------|------------------------|------------|--------------------------|-------------|
| S       | 3.6392 x 10^{-4}       | 1929       | 3.63 x 10^{-4}           | 1914        |
|         | (2.8114 x 10^{-4} to 4.5813 x 10^{-4}) | (1920-1937) | (2.058 x 10^{-4} to 5.248 x 10^{-4}) | (1893-1935) |
| M       | 3.7774 x 10^{-4}       | 1914       | 2.74 x 10^{-4}           | 1881        |
|         | (2.7391 x 10^{-4} to 4.8902 x 10^{-4}) | (1897-1928) | (1.965 x 10^{-4} to 3.573 x 10^{-4}) | (1844-1907) |
| L       | 2.7310 x 10^{-4}       | 1909       | 2.406 x 10^{-4}          | 1870        |
|         | (1.9289 x 10^{-4} to 3.6677 x 10^{-4}) | (1888-1927) | (1.106 x 10^{-4} to 4.4065 x 10^{-4}) | (1810-1919) |

* Subset datasets refer to the random subsets of the original full sequences. The subset is produced by randomly removing sequences from each alignment until they contained no more than one sequence from isolates obtained in a single country during a single year.

S3 File: Substitution rate and TMRCA estimates of RVFV based on two datasets of sequences; one included all sequences in GenBank, and another one which is a random subset from the full sequences represented the downsampled dataset.