**Supplementary Information**

**Supplementary Table 1 | (a)** Summary of the Zika virus sequencing data produced in this study. (**b**) Epidemiological data and travelers entering Miami, Florida from January to June, 2016.

**Supplementary Table 2 | (a)** Probe sequences and **(b)** reference genomes for RNA Access targeted enrichment of Zika virus. **(c)** Primer sequences used for long-range Zika virus amplification. **(d)** Comparison of amplicon and enrichment Zika virus sequencing approaches.

**Supplementary File 1 |** Raw MAFFT codon alignment, PhyML tree, BEAST XML file, and BEAST MCC time-structured phylogeny.