

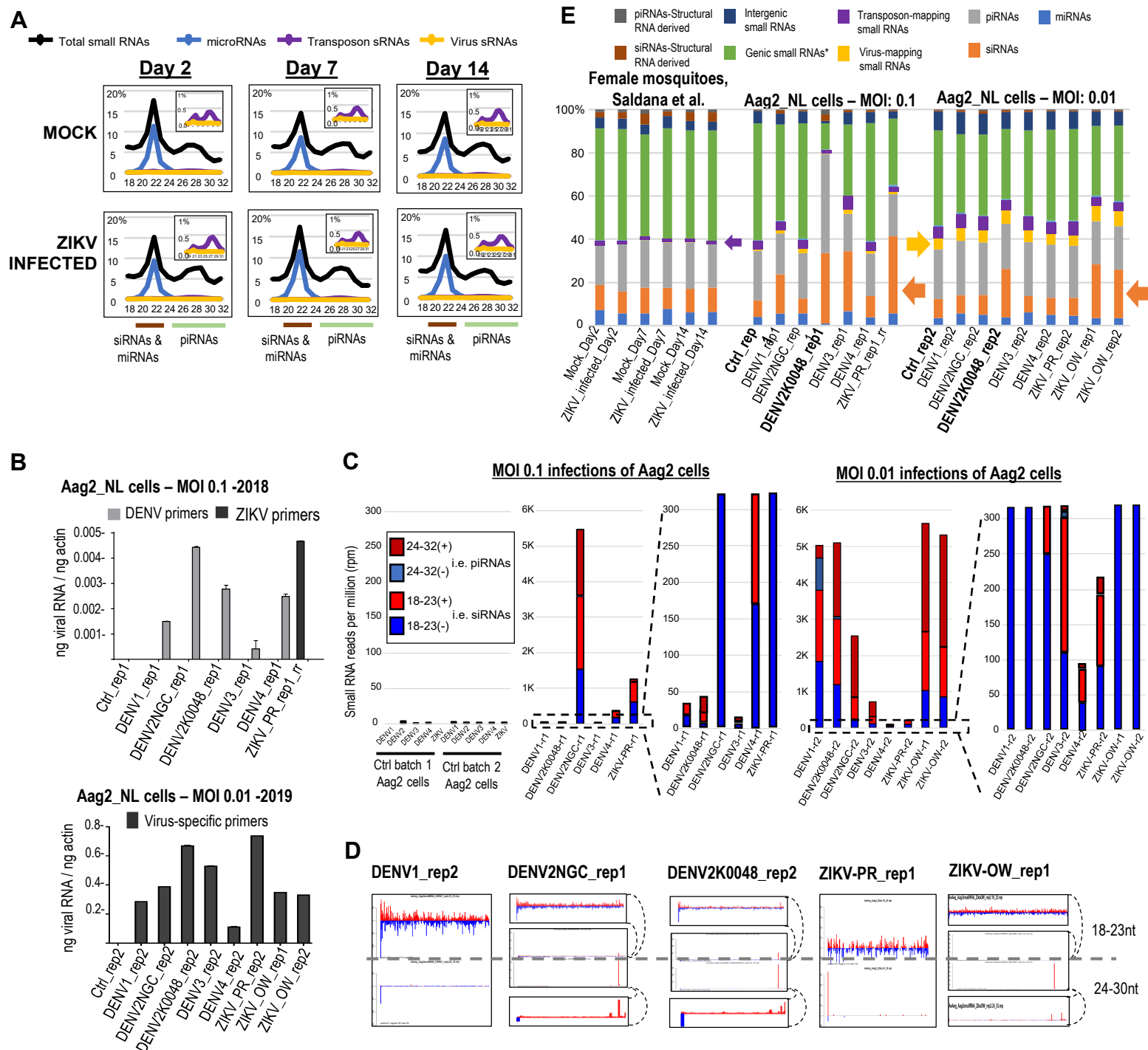


Figure S7. Small RNA profiles from *Aedes aegypti* (AeAeg) mosquitoes and cell cultures during viral infections.

(A) Small RNA length distribution plots from the re-analysis of ZIKV and CFAV small RNAs from AeAeg females as sequenced from (Saldana et al. 2017), in relation to Figure 4A. (B) Quantitative RT-PCR assessment of arbovirus replication during two independent batches of infection of Aag2-NL cells. (C) Control Aag2-NL cells do not exhibit any small RNAs mapping to DENV and ZIKV, however varying amounts of siRNAs and piRNAs specific to the individual serotypes of DENV and strains of ZIKV are detected in Aag2-NL cells 7 days after infection. (D) Plots of small RNA mapping patterns to DENV and ZIKV divided by siRNAs versus piRNAs, and insets above and below main plots are zoomed-in narrower Y-scale views of those viruses because in the main view a single plus-strand peak of a very abundant small RNA distorts the view of the other less abundant and distributed small RNAs. (E) Small RNA functional annotation proportions from the re-analysis of the Saldana et al datasets and the two batches of Aag2-NL cell infections with various DENV and ZIKV serotypes.