Figure S1. Effect of acetyl-L-carnitine on DENV2 infection of HEK293T/17 and HepG2 cells.

The cytotoxicity of acetyl-L-carnitine was assessed in (A) uninfected HEK293T/17 (left panel) and HepG2 (right panel) and (B) DENV 2 infected HEK293T/17 (left panel and HepG2 (right panel) cells. Infected and uninfected cells were incubated with various concentration of acetyl-L-carnitine for 24 hours and viability was assessed using MTT assay. The experiments were performed independently in triplicate in parallel with control treatments and mock. A negative of cells plus H₂O only was included. The standard deviation (SD) of mean are presented as error bars. (C) HEK293T/17 cells were infected with DENV 2 at MOI 0.5 and 2, and then treated with or without 0.1 and 1.0 mM acetyl-L-carnitine or with vehicle only. (D) HepG2 cells were infected with DENV 2 at MOI 2 and 5 and then treated with or without 0.1 and 1.0 mM acetyl-L-carnitine or with vehicle only. At 24 hours post infection cells were analyzed by flow cytometry to determine the percentage infection. All experiments were undertaken independently in triplicate. Error bar showed mean ± SD. (*; p value ≤ 0.05).