SUPPLEMENTARY FIGURES

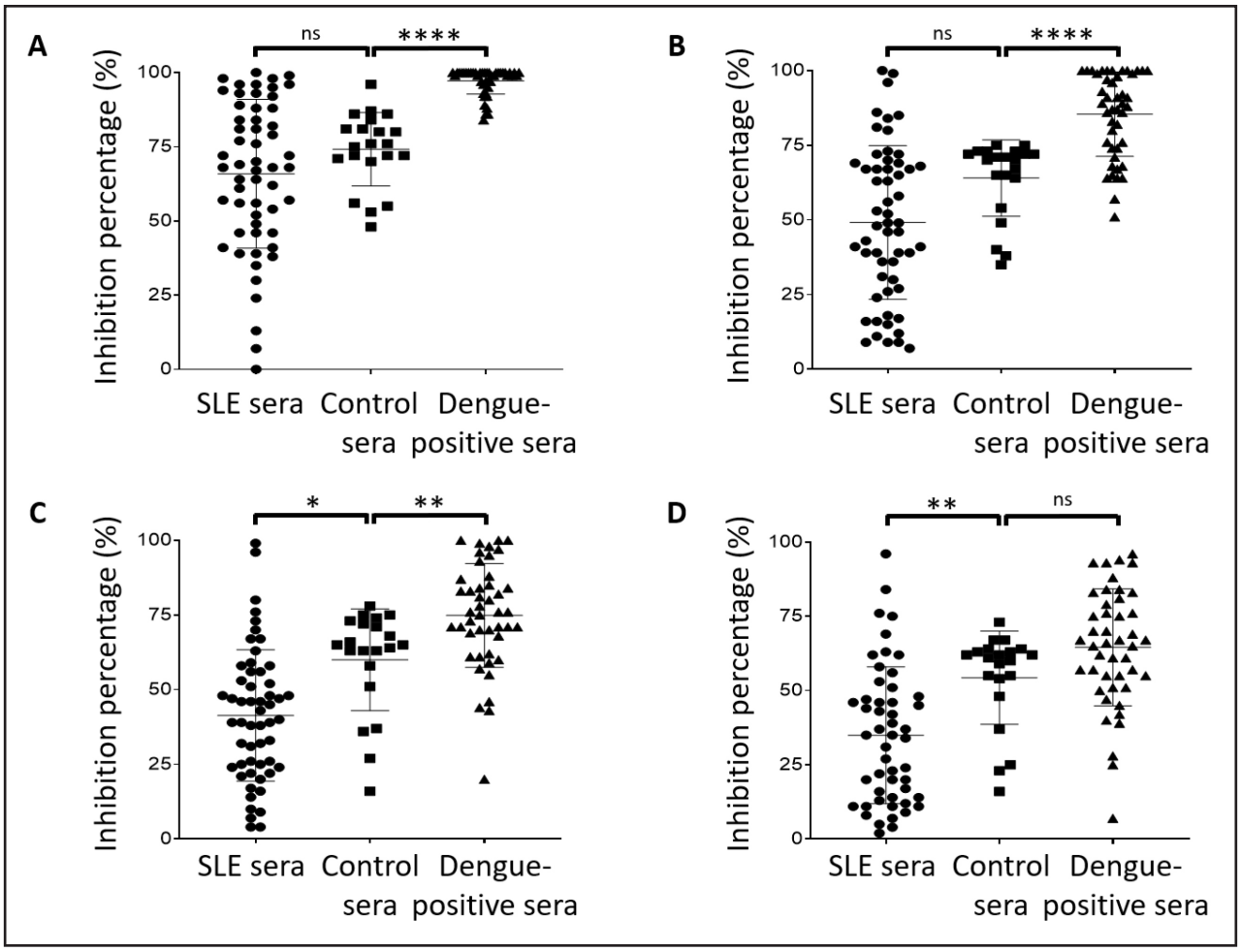

Figure S1. Serum neutralizing activity against DENV-1. SLE sera (n=56), control sera (n=21), and dengue-IgG positive sera (n=45) were diluted into (A) 1/80, (B) 1/320, (C) 1/1280, (D) 1/5120 and incubated with DENV-1 for 80 minutes. Significant differences were assessed using Dunnett's multiple comparisons test and are indicated as ns (not significant), *P<0.05, **P<0.005, and ****P<0.0001.

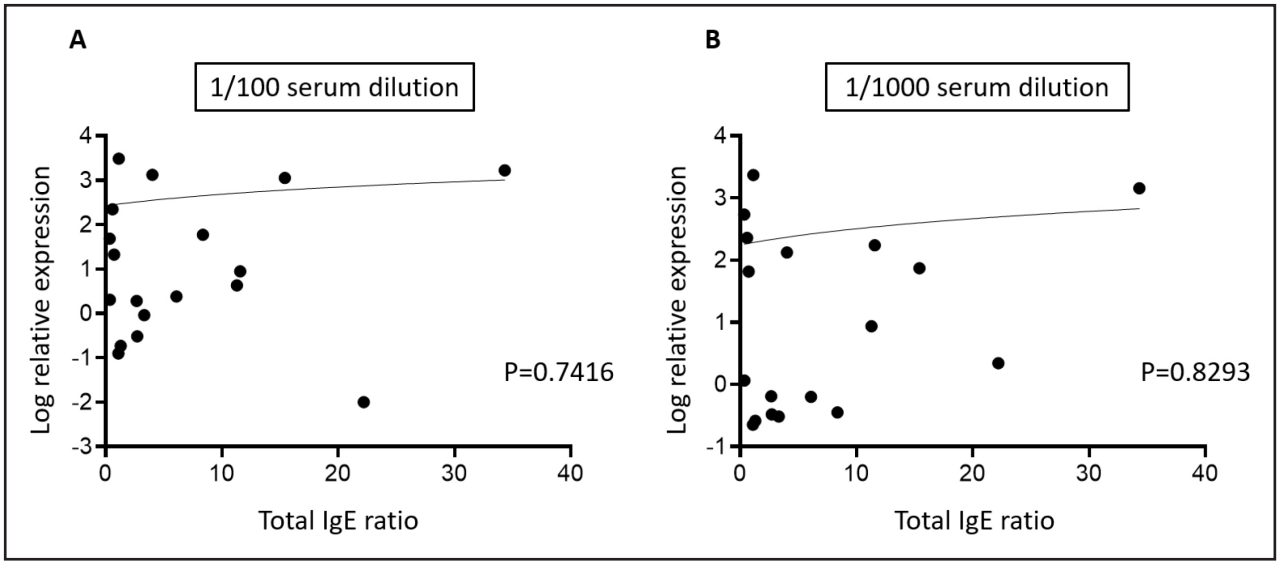

Figure S2. Association of log relative expression of DENV-1 with total IgE ratio in SLE sera. SLE sera were diluted to 1:100 (A) and 1:1000 (B) and subjected to ADE assay against DENV using KU812 cells. RNA was extracted and qRT-PCR was performed to measure the relative expression of DENV-1. The association between DENV-1 expression levels in KU812 cells and the total IgE antibody ratio in SLE sera was assessed using Spearman's correlation test.

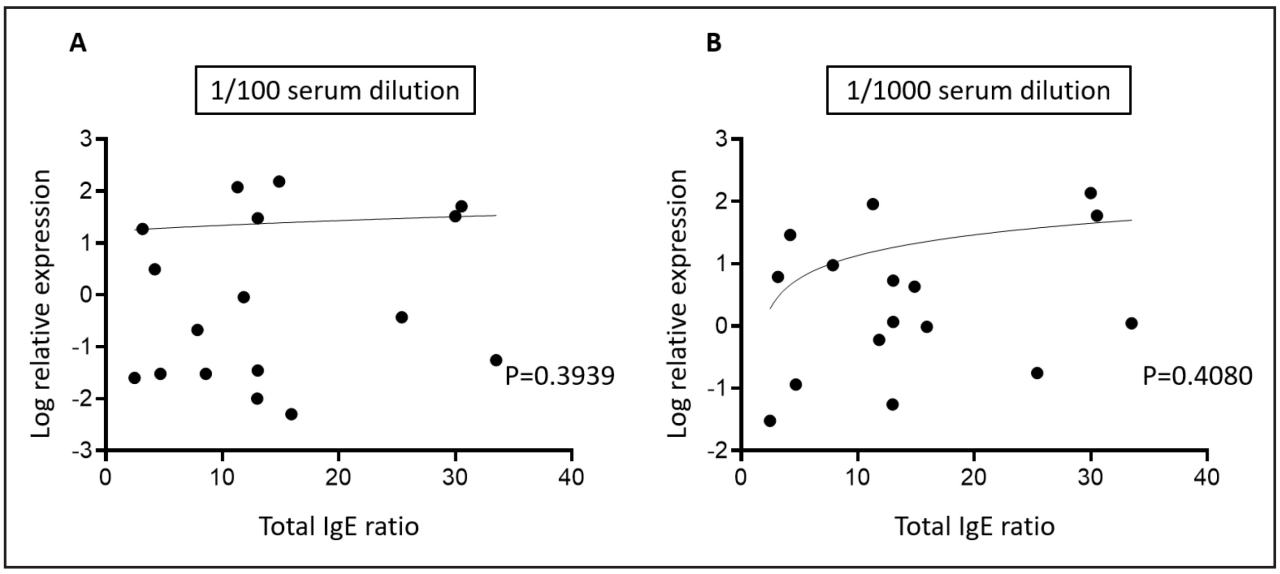

Figure S3. Association of log relative expression of DENV-1 with total IgE ratio in dengue-positive sera. Dengue-positive sera were diluted to 1:100 (A) and 1:1000 (B) and subjected to ADE assay against DENV using KU812 cells. RNA was extracted and qRT-PCR was performed to measure the relative expression of DENV-1. The association between DENV-1 expression levels in KU812 cells and the total IgE antibody ratio in SLE sera was assessed using Spearman's correlation test.

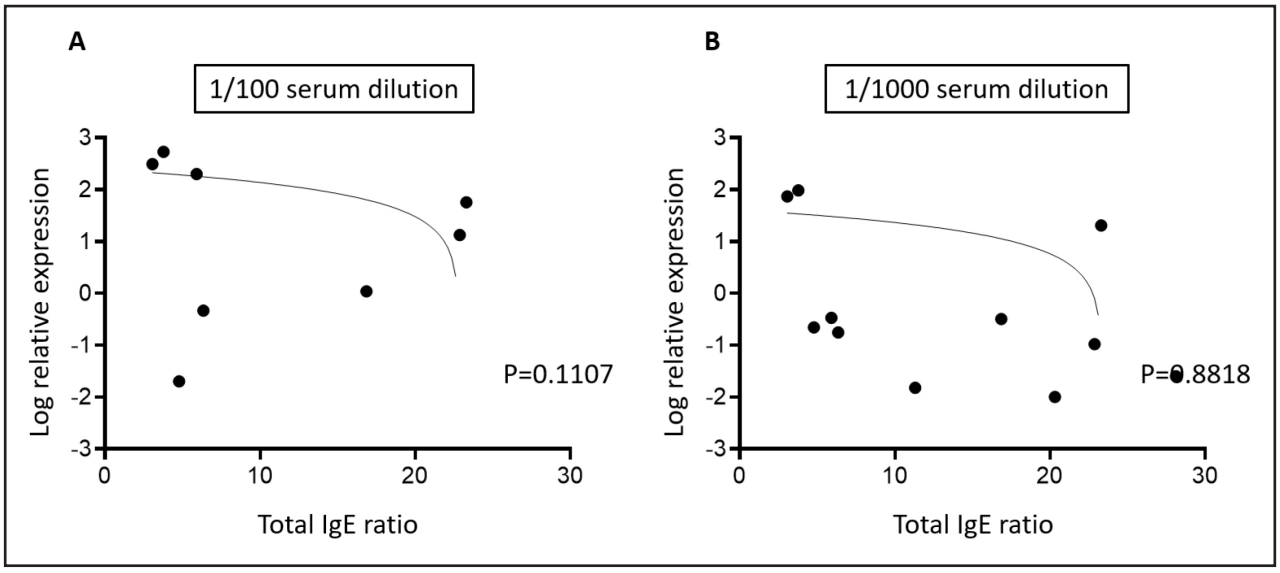

Figure S4. Association of log relative expression of DENV-1 with total IgE ratio in control sera. Control sera were diluted to 1:100 (A) and 1:1000 (B) and subjected to ADE assay against DENV using KU812 cells. RNA was extracted and qRT-PCR was performed to measure the relative expression of DENV-1. The association between DENV-1 expression levels in KU812 cells and the total IgE antibody ratio in SLE sera was assessed using Spearman's correlation test.