Effect of prior Zika and dengue virus exposure on the severity of a subsequent dengue infection in adults

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**Supplementary Tables**

**ST1.** Effect of age, gender, infecting dengue serotype, prior dengue and zika exposure (vs. no exposure to both infections) on dengue-associated plasma leakage

| Step 1\textsuperscript{a} | Gender(1) | B   | S.E. | Wald | df | Sig. | Exp(B) | 95% C.I.for EXP(B) | Lower | Upper |
|---------------------------|-----------|-----|------|------|----|------|--------|-------------------|-------|-------|
| Step 1\textsuperscript{a} | Gender(1) | -.915 | .311 | 8.630 | 1  | .003 | .401   | .218              | .738  |
| Age                      | -.012     | .012 | .929 | 1    | .335| .988 | .965   | 1.012             |
| DZvN(1)                  | -.678     | .308 | 4.850| 1    | .028| .508 | .278   | .928              |
| Serotype1                |           | .550 | 2    | .760 |     |      |        |                   |
| Serotype1(1)             | -.232     | .543 | .182 | 1    | .670| .793 | .274   | 2.299             |
| Serotype1(2)             | .103      | .379 | .074 | 1    | .786| 1.109| .527   | 2.331             |
| Constant                 | .904      | .536 | 2.841| 1    | .092| 2.470|        |                   |

Coding: Gender (males=0, females=1), DZvN (Prior DENV and ZIKV exposure =0, not exposed to both infections =1)
ST2. Effect of age, gender, infecting dengue serotype, prior dengue exposure (vs. no exposure) on dengue-associated plasma leakage

| Step 1a | B     | S.E.  | Wald  | df  | Sig.    | Exp(B) | 95% C.I. for EXP(B) |
|---------|-------|-------|-------|-----|---------|--------|---------------------|
| Gender(1) | -1.218 | .305  | 16.001 | 1  | .000    | .296   | .163 .537           |
| Age     | -.028 | .012  | 5.500 | 1  | .019    | .973   | .950 .995           |
| Serotype1 |       |       |       |     |         |        |                     |
| Serotype1(1) | -.046 | .498  | .009  | 1  | .926    | .955   | .360 .253           |
| Serotype1(2) | .559  | .360  | 2.412 | 1  | .120    | 1.749  | .864 .354           |
| DvN(1)  | -1.511 | .305  | 24.540 | 1  | .000    | .221   | .121 .401           |
| Constant | 1.912 | .529  | 13.047 | 1  | .000    | 6.765  |                     |

Coding: Gender (males=0, females=1), DvN (Prior DENV exposure =0, no prior DENV exposure =1)