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2 **Fig. S1.** Graphical representation of acute and convalescent paired samples analyzed by IEM,

3 stratified by sample set. Analysis of (A) paired acute and early convalescent samples and (B)

4 paired annual samples is shown, with red dots representing paired samples that underwent a ≥ 4 -

5 fold increase in antibody titer and blue triangles representing the paired samples that yielded a < 4 -

6 fold increase in antibody titer.

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9 **Table S1. Breakdown of sample characteristics of study population.**

	MAC-ELISA	NS1 BOB	INHIBITION ELISA	RT-PCR
DENV-naïve Zika	62	62	61 ^a	62
DENV-immune Zika	65	65	65	65
DENV1	24	24	24	24
DENV2	34	34	34	34
DENV3	39	39	39	39
Negative	77	77	72 ^a	76 ^a

10 ^aInsufficient sample volume

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