Supplemental Information

TAM Receptors Are Not Required
for Zika Virus Infection in Mice

Andrew K. Hastings, Laura J. Yockey, Brett W. Jagger, Jesse Hwang, Ryuta Uraki, Hallie F. Gaitsch, Lindsay A. Parnell, Bin Cao, Indira U. Mysorekar, Carla V. Rothlin, Erol Fikrig, Michael S. Diamond, and Akiko Iwasaki
Figure S1. Subcutaneous infection of ZIKV in α-IFNAR blocking antibody treated Axl<sup>−/−</sup> results in replication in brain tissues, Related to Figure 1.

Three week old WT and Axl<sup>−/−</sup> mice were treated with α-IFNAR blocking antibody and infected subcutaneously with 10<sup>5</sup> PFU Cambodia strain ZIKV. After one week brains were harvested and analyzed using q-rtPCR. Data shown is result of 1 independent experiment (n = 5/group). There are no significant differences between the two groups (n.s., not significant).
Figure S2. No differences are observed in ZIKV tropism in the placenta from WT, Axl<sup>−/−</sup>, Mertk<sup>−/−</sup>, Axl<sup>−/−</sup>Mertk<sup>−/−</sup> mice, Related to Figure 1.

Pregnant WT, Axl<sup>−/−</sup>, and Axl<sup>−/−</sup>Mertk<sup>−/−</sup> dams were treated with α-IFNAR blocking antibody on E5.5 and infected subcutaneously with $10^3$ FFU of Brazil ZIKV on E6.5. After harvest at E13.5, placentas were fixed in paraformaldehyde and analyzed using in situ hybridization against genomic ZIKV RNA, positive control Mus musculus peptidylprolyl isomerase B, or negative control Chikungunya virus probes. Representative photomicrographs are shown, demonstrating rare, scattered ZIKV RNA-positive cells within the junctional, but not labyrinth, zones, in placentas of WT, Axl<sup>−/−</sup>, and Axl<sup>−/−</sup>Mertk<sup>−/−</sup> mice. Scale bar= 20μm.
Figure S3. No Axl protein is detected in spleen and brain of Axl<sup>-/-</sup> mice, Related to Experimental Procedures.

Spleen and brain tissue was harvested from uninfected WT or Axl<sup>-/-</sup> mice, protein lysate was run on a western blot and probed with an antibody specific for mouse Axl. Ponceau stain was also performed to demonstrate similar amounts of protein were run in corresponding lanes.