

ZIKA virus reveals broad tissue and cell tropism during the first trimester of pregnancy

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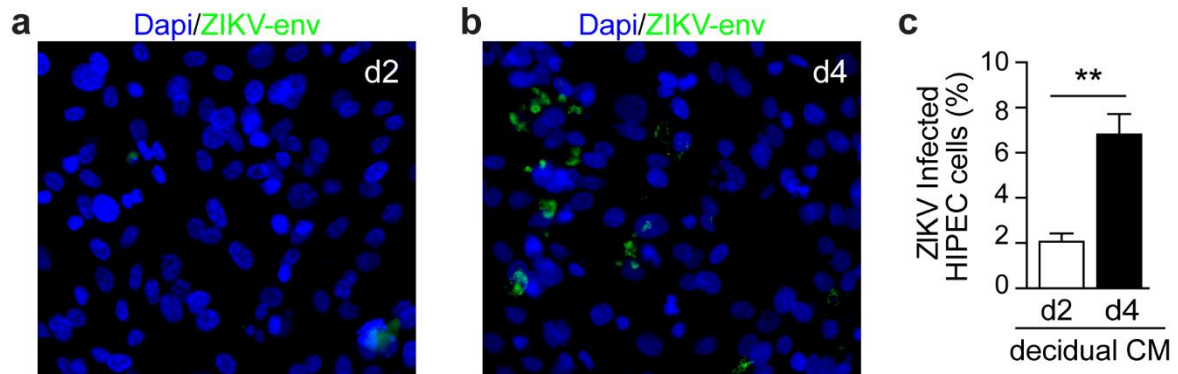
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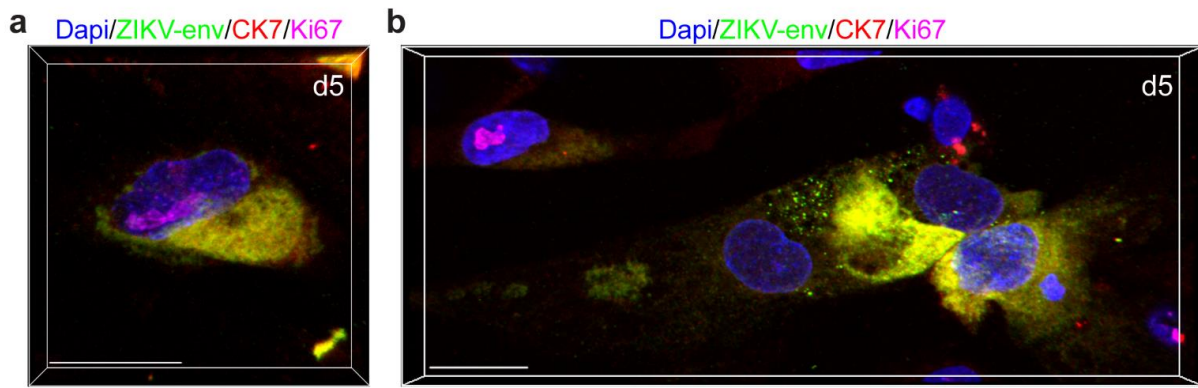
Supplementary Figure S1. Viral replication in *decidua basalis* explants produce infectious virions

HIPEC, an extravillous trophoblast cell line, was incubated with day 2 (d2) and day 4 (d4) conditioned media (CM) from infected decidual explants. The presence of infectious virions was monitored by immunostaining of the viral envelope after three days of culture.

(a) Representative large field view of ZIKV-infected HIPEC cultured in CM from d2.

(b) Representative large field view of ZIKV-infected HIPEC cultured in CM from d4.

(c) Bar graph represents the mean \pm s.e.m values determined from ten fields of view from six independent experiments. ** $p=0.0025$ using Mann-Whitney test.



Supplementary Figure S2. ZIKV replicates in EVT, CTBs and STBs

Placental cells were infected with ZIKV at a MOI of 1.

(a) 3D reconstitution of confocal microscopy of proliferating ZIKV-infected EVT at day 5 post-infection (d5). Scale bar, 20 μ m.

(b) 3D reconstitution of confocal microscopy of ZIKV-infected EVT, CTBs and STBs at d5. Scale bar, 20 μ m.