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**Supplementary Data**

**Rottlerin plays an antiviral role at early and late steps of Zika virus infection**

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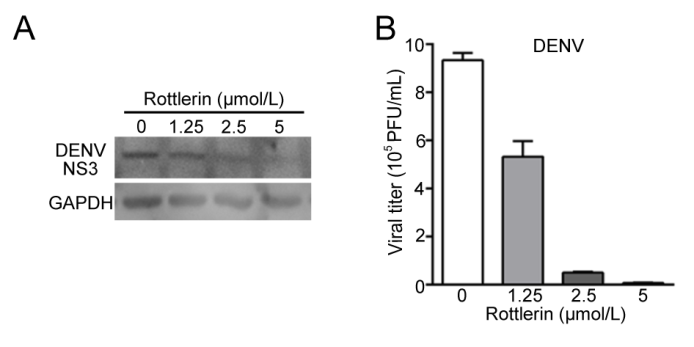
1 Shili Zhou and Quanshi Lin contributed equally to this work.

**Supplementary Table S1** Sequences of primers used in PCR.

|  |  |
| --- | --- |
| Gene name | Sequence (5′–3′) |
| PKCδ WT | 5F:ATTTGCGGCCGCATGGAGCAGAAACTCATCTCTGAAGAGGATCTGGGTGGTGGTGCGCCGTTCCTGCGCATCGCC |
|  | 3R:CGCGGATCCTCACTTATCGTCGTCATCCTTGTAATCACCACCACCATCTTCCAGGAGGTGCTCGAATTT |
| PKCδ CAT | 5F:ATTTGCGGCCGCATGGAGCAGAAACTCATCTCTGAAGAGGATCTGGGTGGTGGTGGTTTCGAGAAGAAGACCGGA |
|  | 3R:CGCGGATCCTCACTTATCGTCGTCATCCTTGTAATCACCACCACCATCTTCCAGGAGGTGCTCGAATTT |

**Supplementary Table S2** Sequences of primers used in qRT-PCR.

|  |  |
| --- | --- |
| Gene name | Sequence(5′ –3′) |
| ZIKV NS1 | 5F:GTCAGAGCAGCAAAGACAA |
|  | 3R:CAGCCTCCTTTCCCTTAACA |
| VSVG N | 5F:TTGGCAAGTATGCTAAGTCAG |
|  | 3R:AGGACTTGAGATACTCACGAA |
| HSV1 UL19 | 5F:AACAGCCTGTACGACGTC |
|  | 3R:AACTTGGTACACACGCACGC |
| EV71 5’UTR | 5F:CCCACCCACAGGGCCCACTGG |
|  | 3R:CGTTGATTTACAGCTTCTAA |
| EMCV 2A2B | 5F: AATGCCCACTACGCTGGT |
|  | 3R: GTCGTTCGGCAGTAGGGT |
| β-actin | 5F:GCTCCTCCTGAGCGCAAG |
|  | 3R: CATCTGCTGGAAGGTGGACA |



**Supplementary Fig. S1** Rottlerin inhibits the replication of DENV. A549 cells were infected with DENV (MOI = 3) followed by rottlerin treatment at 1 h.p.i. Cells were harvested at 24 h.p.i. for Western blot (**A**), and supernatants were collected for plaque assay (**B**). Data are shown as mean ± standard deviation of at least three independent experiments.