

Molecular determinants of plaque size as an indicator of dengue virus attenuation

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Supplementary Information

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Supplementary Table 1: Dengue Genome Sequences

| Virus Strain | GenBank Accession Number |
|---------------------|---------------------------------|
| DENV-2 16681 | KU725663 |
| DENV-2 PDK53 | KU725664 |
| DENV-3 16562 | KU725665 |
| DENV-3 PGMK30FRhL3 | KU725666 |

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Supplementary Table 2: PCR Primer Sequences

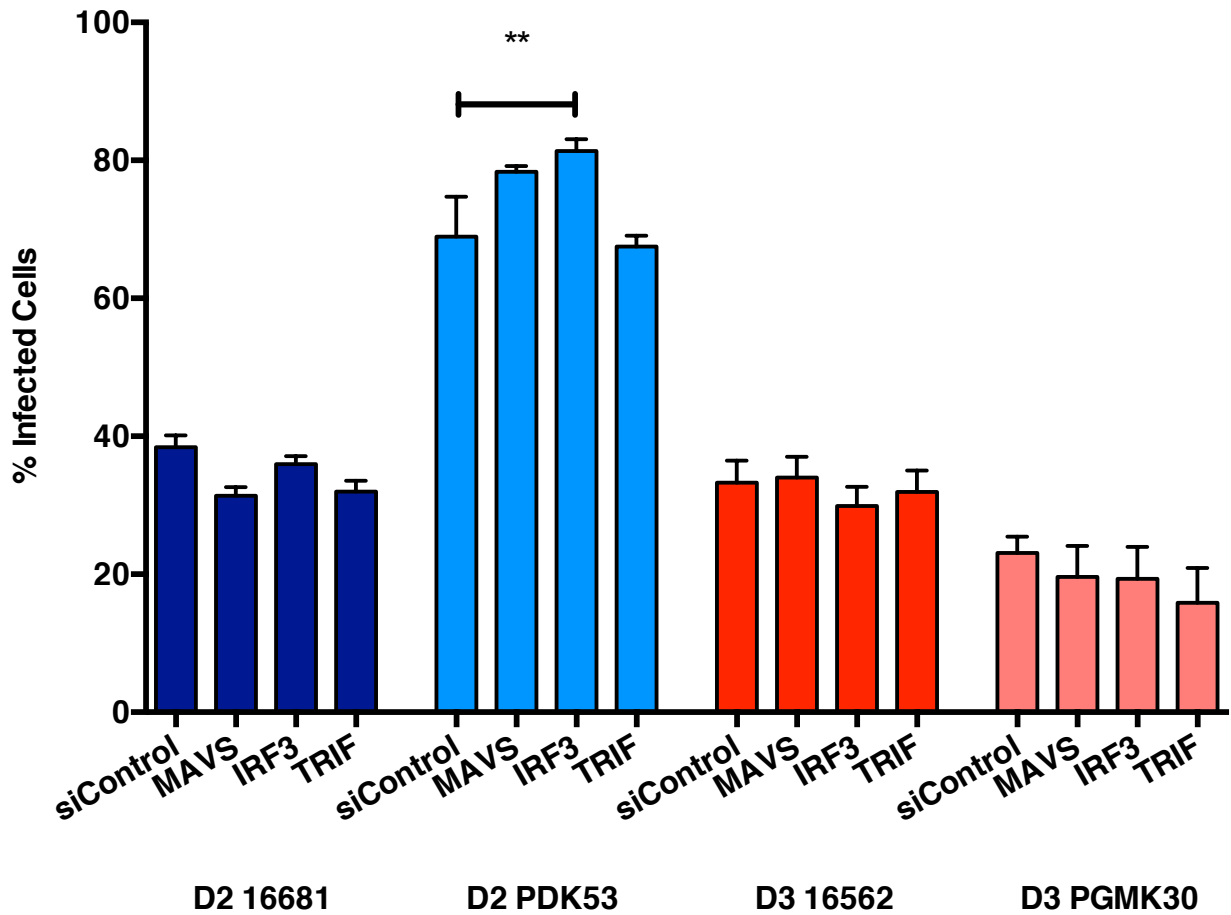
| Gene Target | Primer Sequence |
|--------------------|--|
| DENV LYL 3'UTR | Forward: TTGAGTAAACYRTGCTGCCTGTAGCTC Reverse: GAGACAGCAGGATCTCTGGTCTYTC |
| GAPDH (Human) | Forward: GAGTCAACGGATTTGGTCGT Reverse: TTGATTTTGGAGGGATCTCG |
| CXCL10 (Human) | Forward: GGTGAGAAGAGATGTCTGAATCC Reverse: GTCCATCCTTGGAAGCACTGCA |
| ISG20 (Human) | Forward: ACACGTCCACTGACAGGCTGTT Reverse: ATCTTCCACCGAGCTGTGTCCA |
| IFIT2 (Human) | Forward: GAAGAGGAAGATTTCTGAAG Reverse: CATTTTAGTTGCCGTAGG |
| IFNa (Canine) | Forward: GCTCTTGTGACCACTACACCA Reverse: AAGACCTTCTGGGTCATCACG |
| IFNb (Canine) | Forward: GGATGGAATGAGACCACTGTCTG Reverse: ACGTCCTCCAGGATTATCTCCA |

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Supplementary Table 3: BHK21 siRNA Sequences (*Mesocricetus auratus*)

| Gene Target | siRNA Sequence |
|--------------------|---|
| IRF3 | Sense: GGAACAAUGGGAGUUCGAAAdTdT Antisense: UUCGAACUCCCAUUGUUCcdTdT |
| STAT1 | Sense: CCGUUUCCAUGACCUCCUUdTdT Antisense: AAGGAGGUCAUGGAAACGGdTdT |
| NF-kB p65 | Sense: GCAUCCAGACCAACAAUAAdTdT Antisense: UUAUUGUUGGUCUGGAUGCdTdT |
| NF-kB p50 | Sense: CCUCAUGUUCACCGCCUUdTdT Antisense: AAAGGCGGUGAACAUGAGGdTdT |

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Supplementary Figure 1:



Supplementary Figure 1: Percentage of infected HuH-7 cells after siRNA measured by flow cytometry. There is a modest increase in the amount of cells infected by PDK53, especially with IRF3 knockdown; the other viruses are not affected.

