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Comparison analysis of microRNAs in response to dengue virus type 2 infection between the Vero cell-adapted strain and its source, the clinical C6/36 isolated strain

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Highlights

- It was the first report to identify miRNAs that were differentially regulated following DENV-2-Vero and DENV-2-C6/36 infection in Vero cells by miRNA sequencing.
- Our results showed that the distinct changes induced by DENV-2-Vero and DENV-2-C6/36 infection may be partly linked to regulation of viral replication.
- Our results indicated that the regulation of cell death and apoptosis between DENV-2-Vero and DENV-2-C6/36 were different in the early stage of infection.
- DENV-2-Vero infection could partially alleviate the immune defense of Vero cells compared with DENV-2-C6/36.
- The results indicated that the distinct microRNA changes induced by two DENV-

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