Supplementary information

Rapid generation of recombinant flaviviruses using circular polymerase extension reaction

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Table S1: Primers and probes used in the study

Primers used for the amplification of JEV fragments	1F	ATCTGTGTGAACTTCTTGGCTT
	1R	AACACTTGGTGAACGGCTCTACCTATGGAGTTGAAGACCCCTCC
	2F	GAGGGGTCTTCAACTCCATAGGTAGAGCCGTTCACCAAGTGTTTGG
	2R	ATGCGGTCTTCTTTCACACT
	3F	TTTCCACACACTATGGCACAC
	3R	ATTATGGCCTCTCTCCGGTA
	4F	CAGGACGCTAGGGGAGCAGT
	4R	CACCACCAGCTACATACTTCG
	Linker-F	CAAACAGCATATTGACACCTG
	Linker-R	AACTGTTTAAACTGCATTAATCTCTCGATTCTTC
Probe and primers used for the real time PCR of JEV	F	AGAGCACCAAGGGAATGAAATAGT
	R	AATAGGTTGTAGTTGGGCACTCTG
	Probe	CCACGCCACTCGACCCATAGACTG
Primers used for the amplification of ChinZIKV fragments	1F	CTATAAATACAGCCCGCAACGATCTGGTAAACGAAAAGTATATTCTACGTGTGC
	1R	CATATAGTATGCACTCCCACGTCTAGTGACCTCCGCTCCATAAGCCATACAACTC
	2F	TGAGTTGTATGGCTTATGGAGCGGAGGTCACTAGACG
	2R	TCTCTGTGTGTTATGTCAAGGCTGCATCCAATTTCAGCAGAGACGGCTGTGGATAAG
	3F	TTGATCTTCTTATCCACAGCCGTCTCTGCTGAAATTGGATGCAGCCTTGACATAAC
	3R	AATACTACAGGGGTAATGTTCTCACAACCTGCTGACTGCGCGATCGC
	4F	AACGACAGCACCTACGCTAGTGCGATCGCGCAGTC
	4R	TAAATATCCTTTATCTACCAGCCATCTGAGCTTTGCTGAACCCCGGGATAC
	5F	AAAGAGTGGAAATGTAACAGGAGGTCACGCTGTATCCCGGGGTTCAG
	5R	ACAACCTCCAAACTACCTTT
	Linker-F	CACCAGACTACACGGCACA
	Linker-R	ACCAACTATGTTACAGAATGCAC
Probe and primers	F	ATGTATGATGCAGAACACCCCTA

used for the real time PCR of ChinZIKV	R	GTGTTAGCTCCTTGACCACTC
	probe	FAM-5'ATCCATGGTAGGTCCACGTCT3'-BHQ1
Primers used for the amplification of CxFV-GFP fragments	1F	ACGCCTGGTATCTTTATAGTCC
	1R	CGCCCTTGCTCACCATCTTCTTTTTCTCCTCCTTCCTTCC
	2F	GGAAGGAAGGAGGAGAAAAAGAAGATGGTGAGCAAGGGCG
	2R	GGAACTTGTACAGCTCGTCCATG
	3F	GTCCTGCTGGAGTTCGTGACC
	3R	CTGCGCACCGCCGGAGACC
	4F	GCACATCTCAGCCGGTCTC
	4R	ACACTCTACTGTTGTCCGTCA
	5F	GCCCACAACACTTCCGTCTG
	5R	CATCTTTTACTTTCACCAGCGTT
	Linker-F	GTAAAAGATGACGCCTGGTATCTTTATAGTCCTGTCGGGTTTCGCCACCACTGATTTGA
	Linker-R	TACCAGGCGTCATCTTTTACTTTCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCA
Primers for the amplification of the GFP region in CxFV-GFP	GFP-F	TCTCGCAGAAGCGGGAAAGGACG
	GFP-R	CTGCGCACCGCCGGAGACC

Supplementary note1:

The complete genome of the ChinZIKV.

Red: ZIKV-prME

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Supplementary note2:

The complete sequence of the CxFV-GFP.

Red: C34; Green: GFP; Blue: FMDV-2A; Purple: Mutated C34

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