

Table S1. Mouse clinical scoring system in the CHIKV Balb/C mouse model.

	0	1	2	3
Activity	Normal	Isolated, lethargy, abnormal posture	Huddled, inactive or overactive	Moribund or seizing
Breathing	Normal	Rapid, shallow	Rapid, abdominal	Laboured
Movement	Normal	Slight incoordination	Single limb dragging/paralysis	Staggering, paralysis, multiple limbs dragging
Body Weight	Normal (Gaining weight 0.51g/day)	Stopped or markedly reduced growth (5% loss over 24h)	Weight loss >15% or up to 10% in 24h	Weight loss >20% or >10% over 24h

Table S2. Nucleotide and amino acid differences between CHIKVBP and CHIKV-SP based on BigDye™ Terminator sequencing data analysis.

	Position	CHIKV-BP	CHIKV-SP
Nucleotide	5459	C	T
	8677	G	A
Amino acid residue	nsP3-471	Serine (Ser)	Proline (Pro)
	E2-55	Glycine (Gly)	Arginine (Arg)