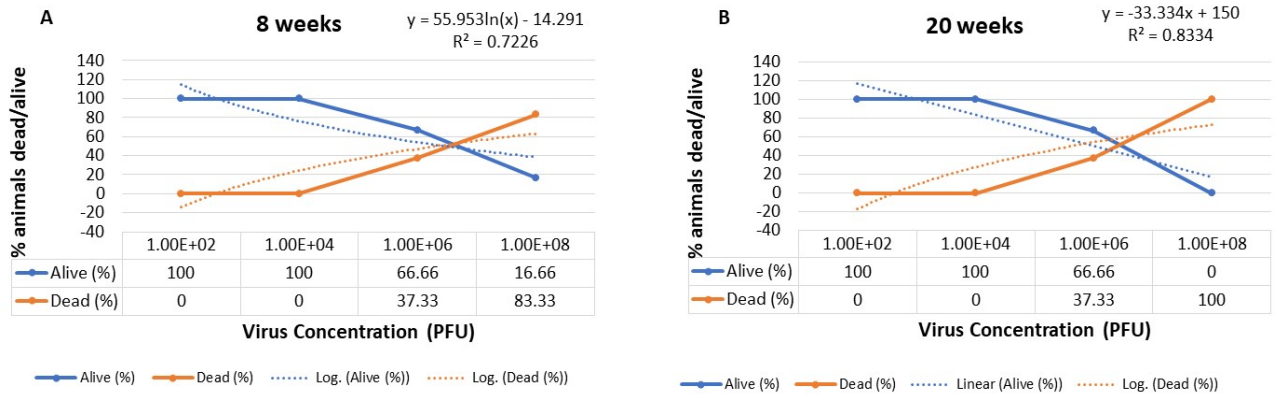
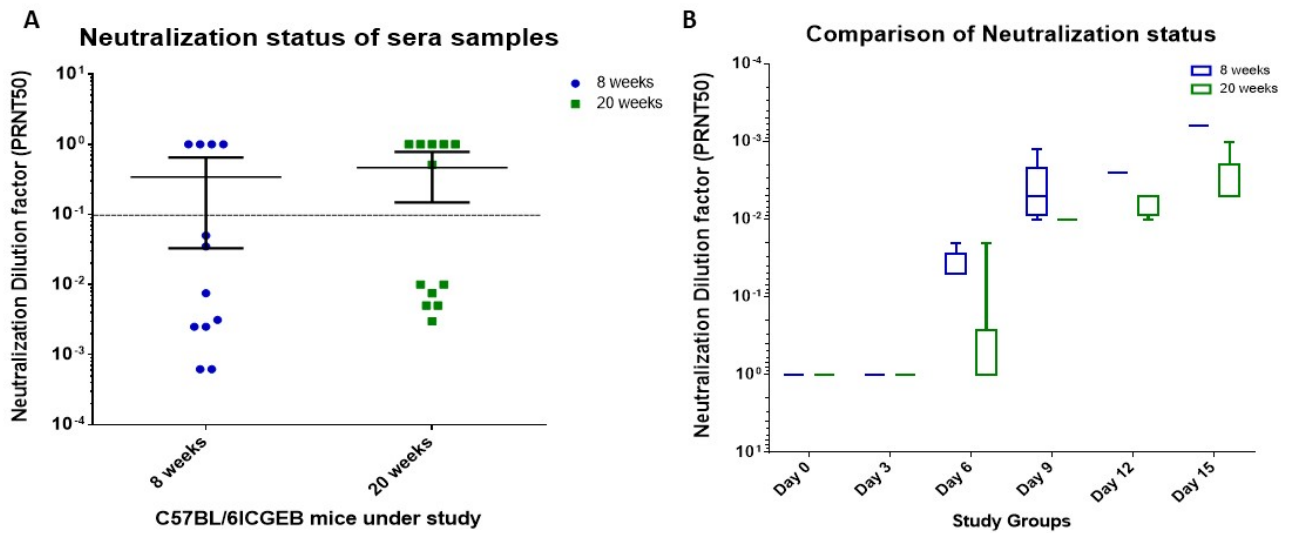


Suppl. Table 1: Evaluation of 15 CHIKV isolates for pathogenesis in 8 weeks old mice.

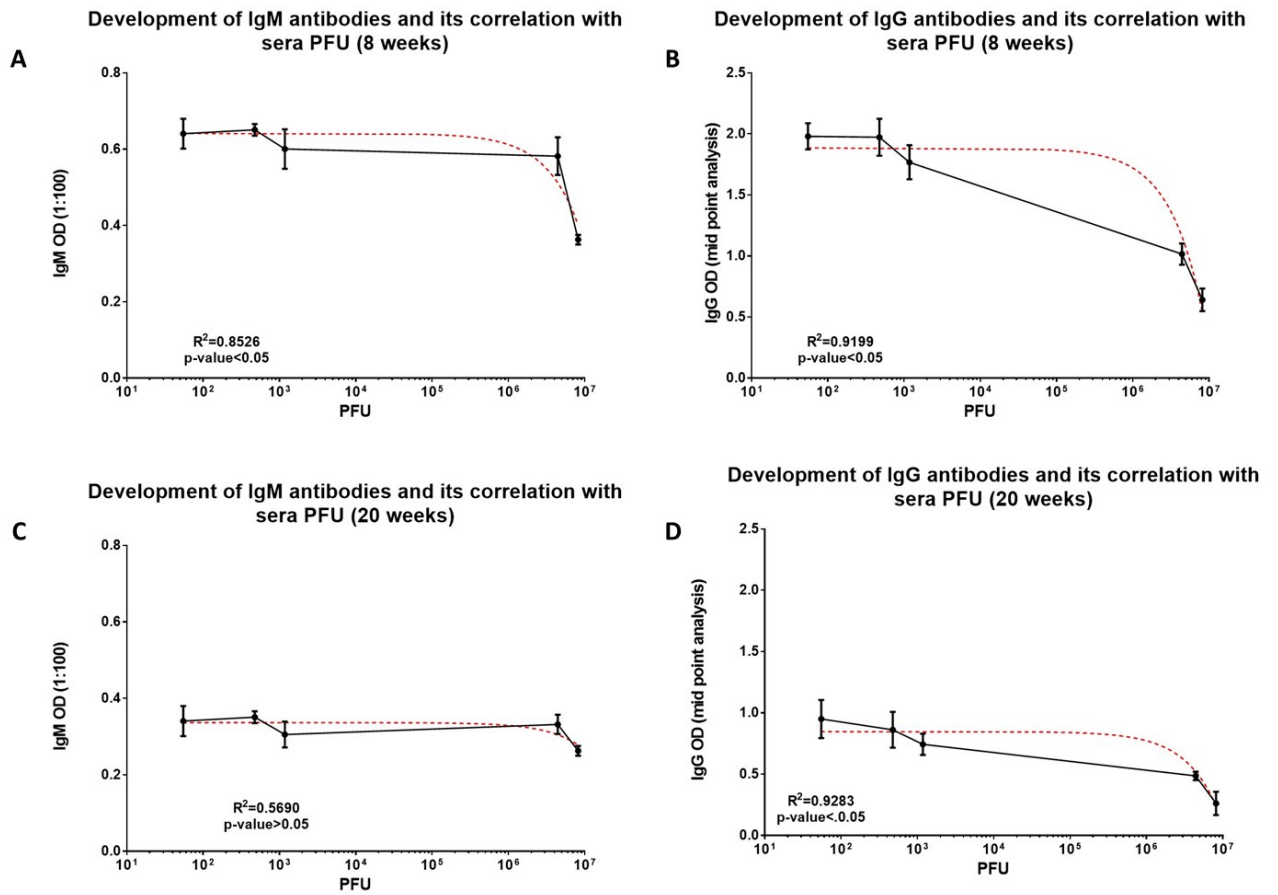
Strain n Name	8 weeks old mice														
	Day 3			Day 6			Day 9			Day 12			Day 15		
	Morbidity (scale of 1-10)	Limb thickness (fold change)	Survivability (%)	Morbidity (scale of 1-10)	Limb thickness (fold change)	Survivability (%)	Morbidity (scale of 1-10)	Limb thickness (fold change)	Survivability (%)	Morbidity (scale of 1-10)	Limb thickness (fold change)	Survivability (%)	Morbidity (scale of 1-10)	Limb thickness (fold change)	Survivability (%)
CHIKV #01	4	0.5×	100	5.5	2×	100	6.25	3×	100	9	4×	66.66	10	3.5×	16.66
CHIKV #02	0	No change	100	2	No change	100	3	No change	100	4	0.5×	100	4	0.2×	100
CHIKV #06	2	2×	100							Dead					
CHIKV #14	0	No change	100	2	No change	100	3	0.5×	100	4	0.2×	100	4	0.25×	100
CHIKV #15	0	No change	100	0	No change	100	2	0.5×	100	2	0.1×	100	3.56	0.1×	100
CHIKV #07	0	No change	100	2	No change	100	3	0.5×	100	4	0.2×	100	4.25	0.2×	100
CHIKV #10	0	No change	100	3	No change	100	3	No change	100	4	No change	100	5	No change	100
CHIKV #32	0	No change	100	0	No change	100	0	No change	100	1	No change	100	2	No change	100
CHIKV #40	0	No change	100	0	No change	100	0	No change	100	1	No change	100	2	No change	100
CHIKV #42	0	No change	100	0	No change	100	0	No change	100	0	No change	100	2	No change	100
CHIKV #11	3	No change	100	4.5	0.75×	100	5.56	1.25×	100	7	3×	100	7	2.5×	83.33
CHIKV #12	2	No change	100	3.5	1.5×	100	4.25	3×	100	6.5	3×	100	6.5	2×	83.33
CHIKV #20	2	No change	100	4	0.8×	100	4	1×	100	5	0.12×	100	5	0.1×	100
CHIKV #88	0	No change	100	0	No change	100	0	No change	100	0	No change	100	0	No change	100
CHIKV #112	0	No change	100	0	No change	100	0	No change	100	0	No change	100	2	No change	100



**Suppl. Fig. 1:** Determination of MID<sub>50</sub> for CHIKV#1 in 8 weeks and 20 weeks old infected mice. Each group of the study had eight animals (four male and four female) and the animals were observed for a period of 15 days and the percentage of animals dead/alive was calculated at 15 dpi before the termination of the study



**Suppl. Fig 2:** Comparison of the neutralization status of the binding antibodies in 8 week vs. 20 weeks old mice (2a and 2b)



**Suppl. Fig 3:** Correlation of binding Abs and viral load in 8 weeks (3a and 3b) and 20 weeks old infected mice (3c and 3d).