

Table S3

One way ANOVA test for assessing statistical significance of differences in WT and ROM1(-) oocyst numbers

Mean Oocysts	Infection	182 WT1	79 WT2	167 WT3	162 WT4	213 WT5
182	WT1					
79	WT2	ns				
167	WT3	ns	ns			
162	WT4	ns	ns	ns		
213	WT5	ns	***	ns	ns	
40	ROM1(-)1	**	ns	***	**	***
28	ROM1(-)2	***	ns	***	**	***
30	ROM1(-)3	***	ns	***	**	***
26	ROM1(-)4	***	ns	***	***	***
10	ROM1(-)5	***	ns	***	***	***
124	ROM1(-)6	ns	ns	ns	ns	ns
55	ROM1(-)7	**	ns	**	*	***

An. stephensi mosquitoes were fed separately on one of 5 mice infected with WT parasites or on one of 7 mice infected with ROM1(-) parasites. In six out of seven experiments, mosquitoes that were fed on ROM1(-) parasites formed significantly lower number of oocysts when compared to four out of five experiments using mice infected with WT parasites. P values and confidence intervals are corrected for multiple comparisons using the Boferroni's multiples comparison test (***: P<0.001; **: P<0.01; *: P<0.05, ns: P>0.05)