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**Table S2.** Summary of Logistic Regression Model for CHIKV Dissemination Efficiency.

4 days post feeding						
Predictors	Category	Reference	<i>Odds Ratios</i>	<i>CI (95%)</i>	<i>P-value</i> <i>(Wald's test)</i>	<i>Overall</i> <i>P-value (LR-test)</i>
	(Intercept)		0.05	0.040 – 0.24	0.003	
	JAB	ARA	2.00	0.18 – 45.09	0.584	
Population	PET	ARA	2.22	0.20 – 50.23	0.529	0.012
	POA	ARA	3.16	0.37 – 66.97	0.337	
Observations 85 R <sup>2</sup> Tjur 0.012						
8 days post feeding						
Predictors	Category	Reference	<i>Odds Ratios</i>	<i>CI (95%)</i>	<i>P-value</i> <i>(Wald's test)</i>	<i>Overall</i> <i>P-value (LR-test)</i>
	(Intercept)		0.10	0.02 – 0.34	0.002	
	JAB	ARA	1.00	0.11 – 9.01	1.000	
Population	PET	ARA	1.00	0.11 – 9.01	1.000	0.6602
	POA	ARA	2.50	0.43 – 19.74	0.324	
Observations 86 R <sup>2</sup> Tjur 0.021						
4 and 8 days post feeding						
Predictors	Category	Reference	<i>Odds Ratios</i>	<i>CI (95%)</i>	<i>P-value</i> <i>(Wald's test)</i>	<i>Overall</i> <i>P-value (LR-test)</i>
	(Intercept)		0.08	0.02 – 0.21	<0.001	
	JAB	ARA	1.33	0.28 – 7.13	0.718	
Population	PET	ARA	1.40	0.29 – 7.52	0.670	0.5226
	POA	ARA	2.67	0.68 – 10.10	0.178	
Observations 171 R <sup>2</sup> Tjur 0.014						