

Table S1. Binary logistic regression models related to *Anaplasma ovis* and *Theileria ovis* infection presence in sheep

A. ovis model							95% CI	
Variable	B	SE	Wald	Df	p	OR	Lower	Upper
<i>Rhipicephalus turanicus</i> presence: yes	2.099	0.445	22.280	1	<0.001	8.154	3.412	19.490
No of <i>Dermacentor marginatus</i> males	-0.286	0.141	4.150	1	0.042	0.751	0.570	0.989
Constant	1.080	0.155	48.462	1	<0.001	2.943		
R ² (Nagelkerke): 17.9%								
Omnibus Tests of Model Coefficients: χ^2 (2) = 44.778, p< 0.001								
H-L test: χ^2 (1) = 0.169, p = 0.681								
T. ovis model								
No of <i>R. turanicus</i> females	0.175	0.59	8.691	1	0.003	1.191	1.060	1.337
Constant	0.322	0.118	7.473	1	0.006	1.379		
R ² (Nagelkerke): 4.2%								
Omnibus Tests of Model Coefficients: χ^2 (1) = 12.150, p< 0.001								
H-L test: χ^2 (2) = 1.468, p = 0.480								