

Supplementary Table 2. Detection of *A. phagocytophilum* DNA and RNA at different times in *S. calcitrans* after a complete meal of infected blood.

Table 2A. Mean CT values of *A. phagocytophilum* DNA (without pre-amplification) at different times in *S. calcitrans* after a complete meal of infected blood. Ten *S. calcitrans* were tested per time and per experiment (n=3) and the mean CT \pm SEM was calculated on positive *S. calcitrans*.

Experiments	ComM4		ComM5		ComM6		Total	
Time	Mean CT ^a \pm SEM	Positive <i>S. calcitrans</i> for Aph	Mean CT ^a \pm SEM	Positive <i>S. calcitrans</i> for Aph	Mean CT ^a \pm SEM	Positive <i>S. calcitrans</i> for Aph	Mean CT ^a \pm SEM	Positive <i>S. calcitrans</i> for Aph
H1	27.11 \pm 2.26	8/10	19.67 \pm 0.17	10/10	19.57 \pm 0.43	10/10	21.76 \pm 0.91	28/30
H2	25.81 \pm 1.87	9/10	23.34 \pm 1.79	10/10	19.12 \pm 0.35	10/10	22.65 \pm 0.97	29/30
H3	23.97 \pm 2.02	10/10	22.06 \pm 1.71	10/10	18.64 \pm 0.13	10/10	21.55 \pm 0.95	30/30
H6	24.07 \pm 2.21	10/10	21.64 \pm 1.59	10/10	18.45 \pm 0.09	10/10	21.39 \pm 0.97	30/30
H9	20.40 \pm 1.23	10/10	21.12 \pm 1.55	9/10	20.32 \pm 1.50	10/10	20.59 \pm 0.80	29/30
H12	18.86 \pm 0.26	10/10	23.98 \pm 2.41	9/10	20.18 \pm 1.53	10/10	20.90 \pm 0.97	29/30
H24	19.84 \pm 0.27	10/10	25.87 \pm 1.88	9/10	24.31 \pm 1.86	10/10	23.25 \pm 0.97	29/30
H48*	29.54 \pm 1.08	6/10	32.84 \pm 1.80	8/10	32.47 \pm 1.75	7/10	31.77 \pm 0.96	21/30
H72*	33.32 \pm 0.78	10/10	-	0/10	34.31 \pm 1.62	3/10	33.55 \pm 0.68	13/30
H96*	34.07 \pm 0.54	2/10	-	0/10	-	0/10	34.07 \pm 0.54	2/30
H120*	35.77 \pm 0.09	2/10	-	0/10	35.67	1/10	35.73 \pm 0.06	3/30

^aMean CT on positive *S. calcitrans* for *A. phagocytophilum*

* Flies were fed with **non-infected** blood every 24h starting 48h after the initial blood meal

Aph: *A. phagocytophilum*

ComM: Complete blood meal

Table 2B. Mean CT values of *A. phagocytophilum* RNA (with pre-amplification) at different times in *S. calcitrans* after a complete meal of infected blood. Ten *S. calcitrans* were tested per time and per experiment (n=3) and the mean CT \pm SEM was calculated on positive *S. calcitrans*.

Experiments	ComM1		ComM2		ComM3		Total	
Time	Mean CT ^a \pm SEM	Positive <i>S. calcitrans</i> for Aph	Mean CT ^a \pm SEM	Positive <i>S. calcitrans</i> for Aph	Mean CT ^a \pm SEM	Positive <i>S. calcitrans</i> for Aph	Mean CT ^a \pm SEM	Positive <i>S. calcitrans</i> for Aph
H1	17.21 \pm 0.27	8/10	15.97 \pm 0.12	8/10	16.57 \pm 0.25	10/10	16.58 \pm 0.16	26/30
H2	18.27 \pm 0.60	9/10	16.85 \pm 1.00	9/10	16.13 \pm 0.12	9/10	17.08 \pm 0.41	27/30
H3	17.42 \pm 0.59	10/10	16.51 \pm 0.70	6/10	16.21 \pm 0.11	9/10	16.77 \pm 0.30	25/30
H6	18.28 \pm 0.37	7/10	16.05 \pm 0.22	10/10	19.75 \pm 1.52	8/10	17.86 \pm 0.58	25/30
H9	19.51 \pm 0.58	8/10	17.65 \pm 0.56	8/10	17.99 \pm 0.46	10/10	18.35 \pm 0.33	26/30
H12	22.32 \pm 0.78	9/10	18.85 \pm 0.58	9/10	18.95 \pm 0.42	7/10	20.13 \pm 0.49	25/30
H24	23.28 \pm 1.20	3/10	22.38 \pm 0.37	6/10	21.10 \pm 0.39	6/10	22.05 \pm 0.36	15/30
H48*	-	0/10	-	0/10	-	0/10	-	0/10
H72*	-	0/10	-	0/10	-	0/10	-	0/10

^aMean CT on positive *S. calcitrans* for *A. phagocytophilum*

*flies were fed with non-infected blood every 24h starting 48h after the initial blood meal

Aph: *A. phagocytophilum*

ComM: Complete blood meal