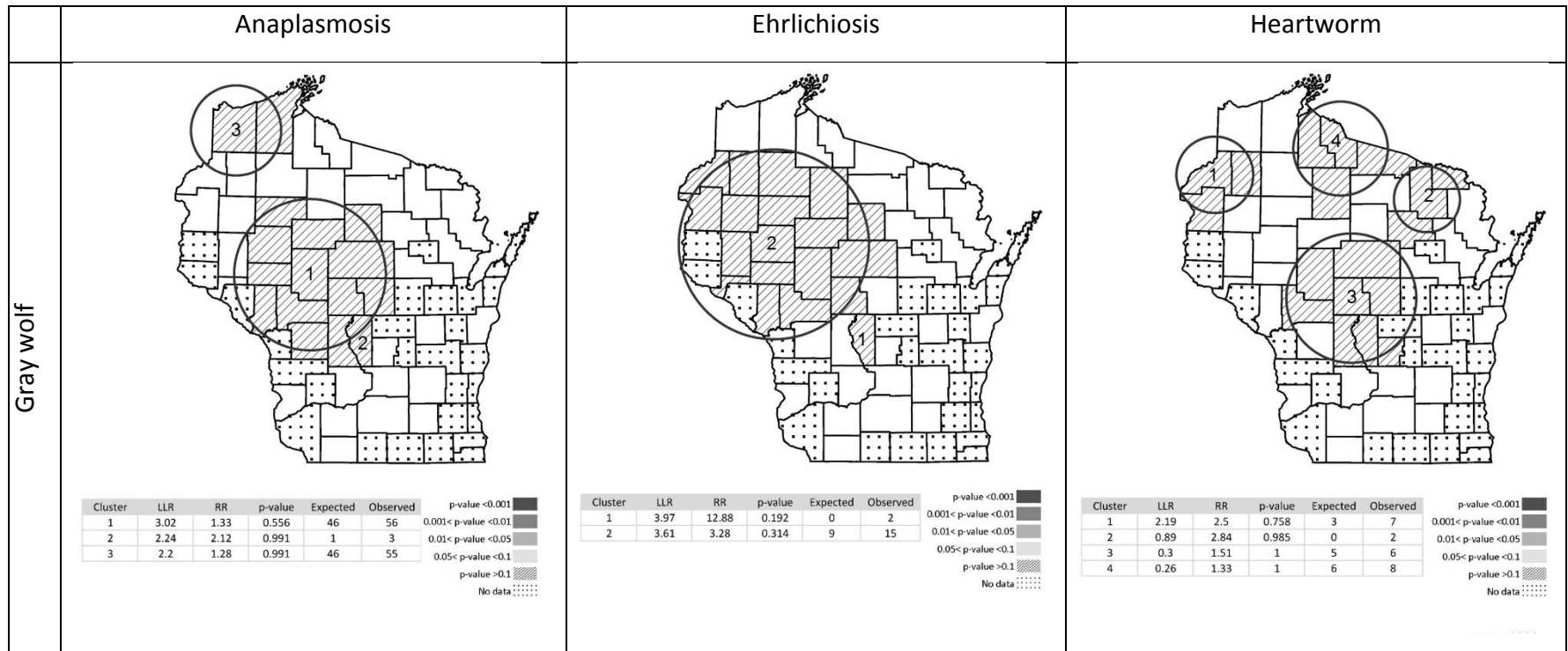
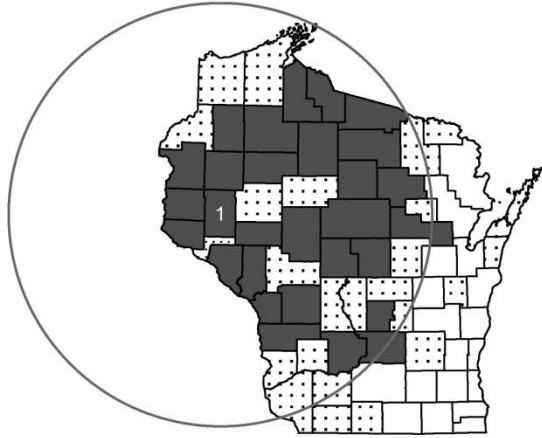


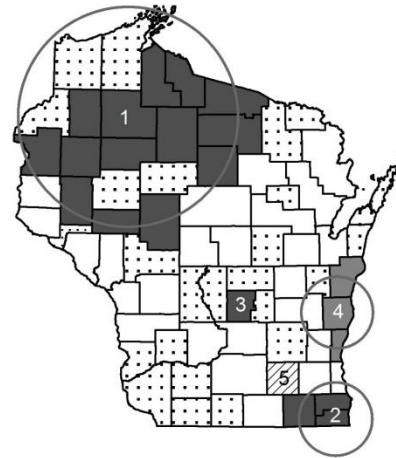
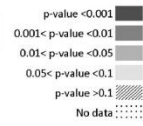
- 1 **S1 Fig. Spatial distribution of clusters of exposure to *A. phagocytophilum*, *E. canis* and infection with *D. immitis* in Gray wolves**
- 2 **(1985-2011) and domestic dogs (2007-2013) in Wisconsin.** The maps show the location and extent of the most likely cluster and
- 3 secondary clusters and the counties encompassed by it are shaded. In addition, the log likelihood ratio (LLR), relative risk (RR),
- 4 significance (P-value), expected number of cases (Expected) and observed number of cases (Observed) are shown for each cluster.



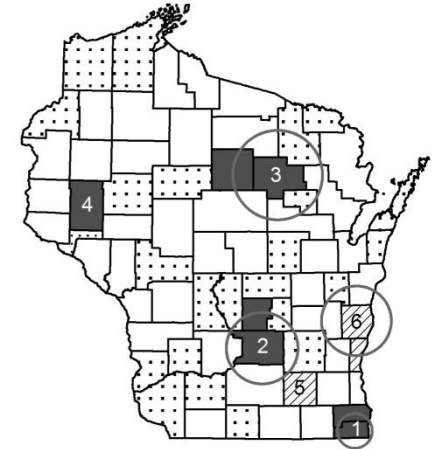
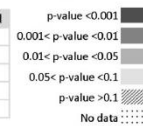
Domestic dog



Cluster	LLR	RR	p-value	Expected	Observed
1	16917.16	12.92	<0.001	6,266	20,005



Cluster	LLR	RR	p-value	Expected	Observed
1	111.51	3.19	<0.001	102	272
2	76.25	2.71	<0.001	101	238
3	49.77	9.92	<0.001	4	36
4	8.57	1.59	0.004	65	100
5	0.37	1.21	1	18	22



Cluster	LLR	RR	p-value	Expected	Observed
1	270.19	5.7	<0.001	79	340
2	89.44	6.1	<0.001	17	95
3	37.59	4.56	<0.001	12	52
4	16.94	3.49	<0.001	9	32
5	4.81	1.82	0.13	18	33
6	3.26	1.41	0.448	46.06	64

