

The following supplement accompanies the article

West Greenland harbour porpoises assayed for antibodies against *Toxoplasma gondii*: false positives with the direct agglutination method

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Supplement.

Table S1. Review of detection methods, cut offs and seroprevalence of *Toxoplasma gondii* in animals with Arctic or sub-arctic range. The ‘Sample’ column indicates what sample was used for testing (S: serum; P: plasma; Wb: whole blood; Bf: body fluids). The ‘Confirmed’ column indicates whether the serological results were confirmed by any additional method (molecular, bioassay or histology). LAT: latex agglutination test; DAT: direct agglutination test; MAT: modified agglutination test; AbDT: antibody dye test (Sabin-Feldman dye test)

Species	Location	Detection method	Cut-off	Result (prevalence)	Sample	Confirmed	Source
<i>Ursus americanus</i>	USA (Alaska)	LAT	>1/64	Y (24%)	S	N	Chomel et al. (1995)
<i>Ursus arctos</i>	USA (Alaska)	LAT	>1/64	Y (18%)	S	N	
<i>Cystophora cristata</i>	N Atlantic	DAT	>1/40	N (0/78)	S	N	Oksanen et al. (1998)
<i>Pagophilus groenlandicus</i>	N Atlantic	DAT	>1/40	N (0/316)	S	N	
<i>Phoca hispida</i>	Svalbard, Greenland	DAT	>1/40	N (0/48)	S	N	
<i>Balaenoptera acutorostrata</i>	NE Atlantic	DAT	>1/40	N (0/202)	S	N	
<i>Ovibos moschatus</i>	Canada (NU)	MAT	>1/25	Y (13/203 = 6.4%)	S	N	Kutz et al. (2000)
<i>Delphinapterus leucas</i>	Canada	DAT	>1/25	Y (27%)	S	N	Mikaelian et al. (2000)
<i>Ursus americanus</i>	USA (Alaska)	DAT	>1/25	Y (43%)	S	N	Zarnke et al. (2000)
<i>Canis lupus</i>	USA (Alaska)	DAT	>1/25	Y (9%)	S	N	
<i>Ovis dalli</i>	USA (Alaska)	DAT	>1/25	Y (7%)	S	N	
<i>Rangifer tarandus</i>	USA (Alaska)	DAT	>1/25	Y (6%)	S	N	
<i>Alces alces</i>	USA (Alaska)	DAT	>1/25	Y (1%)	S	N	
<i>Bison bison</i>	USA (Alaska)	DAT	>1/25	Y (1%)	S	N	
<i>Lynx canadensis</i>	Canada	DAT	>1/25	Y (44%)	S	N	Labelle et al. (2001)
<i>Lynx rufus</i>	Canada	DAT	>1/25	Y (40%)	S	N	
<i>Phoca vitulina</i>	NE Pacific, USA	MAT	>1/25	Y (7.6%)	S	N	Lambourn et al. (2001)
<i>Odobenus rosmarus</i>	USA (Alaska)	DAT	>1/25	Y (5.6%)	S	N	Dubey et al. (2003)
<i>Phoca vitulina</i>	USA (Alaska)	DAT	>1/25	Y (16.4%)	S	N	

<i>Phoca hispida</i>	USA (Alaska)	DAT	>1/25	Y (15.6%)	S	N	
<i>Erignathus barbatus</i>	USA (Alaska)	DAT	>1/25	Y (50%)	S	N	
<i>Phoca largha</i>	USA (Alaska)	DAT	>1/25	Y (11%)	S	N	
<i>Histiophoca fasciata</i>	USA (Alaska)	DAT	>1/25	N (0/14)	S	N	
<i>Phoca vitulina</i>	Canada	DAT	>1/25	Y (9%)	S	Y	Measures et al. (2004)
<i>Pagophilus groenlandicus</i>	Canada	DAT	>1/25	N (0/112)	S	N	
<i>Cystophora cristata</i>	Canada	DAT	>1/25	Y (1.7%)	S	N	
<i>Halichoerus grypus</i>	Canada	DAT	>1/25	Y (9%)	S	Y	
<i>Ursus maritimus</i>	Beaufort Sea	LAT	>1/64	Y (6%)	S	N	Rah et al. (2005)
<i>Phoca vitulina stejnegeri</i>	NW Pacific, Japan	ELISA	OD > 0.1	Y	S	Y	Fujii et al. (2007)
<i>Phoca largha</i>	NW Pacific, Japan	ELISA	OD > 0.1	N	S	Y	
<i>Histiophoca fasciata</i>	Japan	ELISA	OD > 0.1	N	S	Y	
<i>Erignathus barbatus</i>	Japan	ELISA	OD > 0.1	N	S	Y	
<i>Vulpes lagopus</i>	Svalbard, Greenland	DAT	>1/40	Y (43%)	Wb/Bf	N	Prestrud et al. (2007)
<i>Branta leucopsis</i>	Svalbard, Greenland	DAT	>1/40	Y (7%)	S	N	
<i>Odobenus rosmarus</i>	Svalbard, Greenland	DAT	>1/40	Y (6%)	S	N	
<i>Rangifer tarandus platyrhynchus</i>	Svalbard, Greenland	DAT	>1/40	N (0/612)	P	N	
<i>Microtus rossiaemeridionalis</i>	Svalbard, Greenland	DAT	>1/40	N (0/361)	S	N	
<i>Rissa tridactyla</i>	Svalbard, Greenland	DAT	>1/40	N (0/58)	S	N	
<i>Larus hyperboreus</i>	Svalbard, Greenland	DAT	>1/40	N (0/27)	S	N	
<i>Gulo gulo</i>	Canada (NU)	MAT	>1/25	Y (17/41 = 41.5%)	Wb/Bf	N	Reichard et al. (2008)
<i>Delphinapterus leucas</i>	Canada	DAT	>1/25	Y	S	N	Dubey et al. (2009)
<i>Delphinus delphis</i>	NE Atlantic, UK	AbDT	>2 IU ml ⁻¹	Y (28%)	S	N	Forman et al. (2009)
<i>Megaptera novaeangliae</i>	NE Atlantic, UK	AbDT	>2 IU ml ⁻¹	Y (1/1)	S	N	
<i>Grampus griseus</i>	NE Atlantic, UK	AbDT	>2 IU ml ⁻¹	N (0/9)	S	N	
<i>Lagenorhynchus acutus</i>	NE Atlantic, UK	AbDT	>2 IU ml ⁻¹	N	S	N	
<i>Phocoena phocoena</i>	NE Atlantic, UK	AbDT	>2 IU ml ⁻¹	Y (1/70)	S	N	
<i>Stenella coeruleoalba</i>	NE Atlantic, UK	AbDT	>2 IU ml ⁻¹	N	S	N	

<i>Tursiops truncatus</i>	NE Atlantic, UK	AbDT	>2 IU ml ⁻¹	N	S	N	
<i>Ziphius cavirostris</i>	NE Atlantic, UK	AbDT	>2 IU ml ⁻¹	N	S	N	
<i>Rangifer tarandus</i>	Canada (NU)	MAT	>1/25	Y (43/117 = 37%)	S	N	Kutz et al. (2001)
<i>Ursus maritimus</i>	Svalbard, Greenland	MAT	>1/25	Y (95/444 = 21.4%)	S	N	Oksanen et al. (2009)
<i>Ursus maritimus</i>	Svalbard, Greenland	DAT	>1/40	Y (45.6%)	P	N	Jensen et al. (2010)
<i>Phoca hispida</i>	Svalbard, Greenland	DAT	>1/40	Y (18.7%)	P	N	
<i>Erignathus barbatus</i>	Svalbard, Greenland	DAT	>1/40	Y (66.7%)	P	N	
<i>Phoca vitulina</i>	Svalbard, Greenland	DAT	>1/40	N	P	N	
<i>Delphinapterus leucas</i>	Svalbard, Greenland	DAT	>1/40	N	P	N	
<i>Monodon monoceros</i>	Svalbard, Greenland	DAT	>1/40	N	P	N	
<i>Ursus maritimus</i>	USA (Alaska)	LAT		Y (13.2%)	S	N	Kirk et al. (2010)
<i>Halichoerus grypus</i>	NE Atlantic	DAT	>1/25	Y (23.4%)	S	N	Cabezón et al. (2011)
<i>Phoca vitulina</i>	NE Atlantic	DAT	>1/25	Y (5.4%)	S	N	
<i>Pusa hispida</i>	Canada (NU)	DAT	>1/40	Y (80/788 = 10.2%)	Wb	Y	Simon et al. (2011)
<i>Erignathus barbatus</i>	Canada (NU)	DAT	>1/40	Y (2/20 = 10%)	Wb	Y	
<i>Phoca vitulina</i>	Canada (NU)	DAT	>1/40	Y (2/9 = 22.2%)	Wb	Y	
<i>Vulpes lagopus</i>	Russia (Commander Islands)	ELISA	OD > 0.1	Y (5%)	S	N	Bocharova et al. (2013)
<i>Branta leucopsis</i>	Russia (Tobseda)	DAT	>1/40	Y (15%)	S	N	Sandström et al. (2013)
<i>Branta leucopsis</i>	Svalbard, Greenland	DAT	>1/40	Y (18%)	S	N	
<i>Anser brachyrhynchus</i>	Svalbard, Greenland	DAT	>1/40	Y (6.5%)	S	N	

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