

Table 1. Sample size and seroprevalence of *Toxoplasma gondii* by species, season and sampling site in wild ungulates and livestock.

Species	Season	CR		SO		RBD		PU		MA	
		N	Seroprevalence (%)	N	Seroprevalence (%)	N	Seroprevalence (%)	N	Seroprevalence (%)	N	Seroprevalence (%)
Red deer	2005–2006	6	0	20	15						
	2006–2007	23	69.6	6	16.7	7	28.6	2	0	8	12.5
	2007–2008										
	2009–2010										
	2010–2011	16	43.8	7	57.1	-		2	0	5	20
	2011–2012	7	71.4	14	64.3	3	33.3	3	0	5	0
	2012–2013	8	100	5	40	3	33.3	1	100	10	20
	2013–2014	4	75	4	50	1	0	-	-	-	
	2014–2015	16	18.8	8	50	4	0	-	-	-	
	2015–2016	15	66.7	15	46.7	17	23.5	15	20	15	13.3
Fallow deer	2016–2017	10	40	15	20	15	6.7	15	6.7	15	13.3
	2017–2018	15	60	15	26.7	15	20	15	0	15	6.7
	2005–2006	5	100	13	76.9	-		-	-	-	
	2006–2007	31	61.3	20	50	8	25	5	80	13	38.5
	2007–2008										
	2009–2010										
	2010–2011	4	75	9	55.6	3	100	7	42.9	7	42.9
	2011–2012	5	60	12	33.3	3	66.7	5	40	6	50
	2012–2013	10	70	6	83.3	2	0	2	0	10	30
	2013–2014	2	100	5	0	2	100	4	25	3	66.7
Wild boar	2014–2015	1	0	7	0	5	40	5	20	7	0
	2015–2016	15	13.3	15	6.7	13	7.7	18	16.7	16	6.3
	2016–2017	15	40	15	20	14	0	15	6.7	15	0
	2017–2018	12	16.7	15	6.7	18	5.6	15	6.7	15	0
	2005–2006			6	16.7	12	8.3	8	25	25	28
	2006–2007	14	42.9	14	21.4	17	29.4	18	38.9	4	25
	2007–2008			26	53.8	7	42.9	13	30.8	27	25.9
	2009–2010	2	50	4	50	17	23.5			18	5.6

2010–2011	17	58.8	10	50	20	20	12	8.3	9	33.3
2011–2012	8	75	19	31.6	19	26.3	11	18.2	11	9.1
2012–2013	9	33.3	6	0	13	0	7	14.3	19	15.8
2013–2014	-	-			7	0	18	33.3	-	
2014–2015	2	50	16	6.3	8	37.5	17	37.5	7	28.6
2015–2016	15	53.3	12	16.7	10	30	6	16.7	8	12.5
2016–2017	15	46.7	15	26.7	14	14.3	20	10	15	16.7
2017–2018	14	57.1	14	64.3	13	23.1	13	23.1	14	21.4
2010–2011	-	21	4.8	-		27	7.4	27	3.7	
2011–2012	-	-	-	-		-		21	19	
Cattle	2012–2013	-	-		12	16.7	-		20	30
	2015–2016	-	23	8.7	32	18.8	55	16.4	41	4.9
	2016–2017	-	-		2	0	-		-	

Table 2. Summary of the stepwise model selection procedure, based on the AIC, used to explain the serological status against *Toxoplasma gondii*.

Model.	AIC
[M1] full model for red deer: age + sex + generalized_TBL + DE + DCOAST + DHS + DWAT + closed_ha + water_ha + FD_den + RD_den + WB_den + horse_den + cattle_den + KAI_carn + KAI_lynx + rainfall + temperature + sex*age + age*RD_den + rainfall*RD_den + rainfall*sex + rainfall*age + rainfall*temperature	448.21
M1-DWAT [M2]	446.22
M2-closed_ha [M3]	444.23
M3-rainfall*age [M4]	442.02
M4-age*RD_den [M5]	441.70
M5-water_ha [M6]	439.72
M6-KAI_lynx [M7]	437.87
M7-rainfall*temperature [M8]	436.06
M8-DHS [M9]	434.24
M9-DURB [M10]	432.48
M10-WB_den [M11]	431.19
M11-cattle_den [M12]	430.34
M12-sex*age [M13]	429.48
M13-rainfall*RD_den [final model]	428.39
[M1] full model for fallow deer: age + sex + generalized_TBL + DE + DCOAST + DHS + DWAT + closed_ha + water_ha + FD_den + RD_den + WB_den + horse_den + cattle_den + KAI_carn + KAI_lynx + rainfall + temperature + sex*age + age*FD_den + rainfall*FD_den + rainfall*sex + rainfall*age + rainfall*temperature	451.51
M1-age*FD_den [M2]	447.67
M2-rainfall*age [M3]	445.27
M3-age*DE [M4]	443.27
M4-DHS [M5]	441.27
M5-DWAT [M6]	440.05
M6-cattle_den [M7]	438.15
M7-WB_den [M8]	436.22
M8-RD_dens [M9]	434.64
M9-rainfall*FD_den [M10]	433.24
M10-rainfall*sex [M11]	432.09
M11-horse_den [M12]	430.88
M12-DURB [M13]	429.83
M13-water_ha [M14]	429.05
M12-sex*age [M13]	428.50
M13-sex [M14]	426.77
M14-age [M15]	425.25
M15-KAI_carn [final model]	424.92
[M1] full model for wild boar:	
age+sex+GeneralizedTBL+DE+DCOAST+DHS+DWAT+closed_ha+water_ha+FD_den+RD_den+WB_de n+horse_den+cattle_den+KAI_carn+KAI_lynx+rainfall+temperature+sex*age+age*WB_den+rainfall*WB _den+ rainfall*sex + rainfall*age+rainfall*temperature	780.79
M1-cattle_den [M2]	770.04
M2-horse_den [M3]	773.84
M3-sex*WB_den [M4]	771.88
M4-KAI_car [M5]	768.09
M5-DWAT [M6]	766.23
M6-DE [M7]	764.56
M7-rainfall*temperature [M8]	763.29
M8-generalizedTBL [M9]	762.15
M9-DURB [M10]	761.39
M10-closed_ha [final model]	761.27