

Additional file 4 - Data used for estimation by ABC

Numbers of animals by age classes and sex, available in the epidemiological survey for the last eleven years, during spring (Spr.) and autumn (Aut.) (J : juveniles, Sa : subadults, A : adults). Only animals tested for antibodies and viral antigen are take into account for the parameters estimation.

	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		
	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	Spr.	Aut.	
J ♂	0	3	0	2	0	3	0	4	0	2	0	3	0	0	0	1	0	0	0	0	0	0	0
J ♀	0	1	3	2	2	3	1	5	0	2	0	0	0	0	2	2	1	0	0	0	1	0	0
Sa ♂	0	6	1	0	2	0	0	3	0	7	0	5	0	0	1	9	4	0	0	0	2	0	0
Sa ♀	0	2	0	2	0	2	0	3	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0
A ♂	1	2	2	3	1	3	3	4	0	2	0	1	0	0	1	0	0	0	0	0	1	0	0
A ♀	12	2	6	1	11	8	10	2	13	5	0	4	0	0	5	10	9	0	0	0	10	0	0
Total	13	16	12	10	16	19	14	21	13	21	0	13	0	0	9	23	14	0	0	0	14	0	0

Number of animals according to their serological status, aggregated by age classes and sampling seasons. Only data about “antibody +” and “antibody -” were used for the estimation.

	Juveniles		Subadults		Adults	
	Spring	Autumn	Spring	Autumn	Spring	Autumn
antibody +	0	3	2	12	71	45
antibody -	0	21	17	13	15	11