

Table 1. Results from the univariable analyses of the probability of a positive bacteriology result for positive animals at in-vivo tests from positive herds in Soria and Burgos

Dataset (n)								
	Variable	Class	N	Number of SIT or IFN-y+/Culture- (%)	Number of SIT or IFN-y+/Culture + (%)	Odds Ratio	95% Confidence interval	P ^a
SORIA (586)	Years in the herd	0-1	100	99 (99%)	1 (1%)	1	-	0.1918
		1-3	183	172 (94%)	11 (6%)	4.27	0.7-82.3	
		3-4	139	131 (94.2%)	8 (5.8%)	3.6	0.5-72.3	
		>4	164	162 (98.8%)	2 (1.2%)	0.99	0.05-23.4	
	bTB-confirmation in the herd in the previous year	No	439	422 (96.1%)	17 (3.9%)	1	-	0.0069
		Yes	147	142 (96.6%)	5 (3.4%)	0.08	0.014-0.5	
	Age (years)	0-1	94	92 (97.8%)	2 (2.1%)	1	-	0.7954
		1-3	104	98 (94.4%)	6 (5.8%)	1.46	0.3-11.3	
		3-5	147	141 (95.9%)	6 (4.1%)	1.02	0.2-7.9	
		5-7	79	78 (98.7%)	1 (1.3%)	0.38	0.01-4.7	
		>7	162	155 (95.7%)	7 (4.3%)	1.18	0.2-8.9	
	Herd size (number animals) of	Small <=79	154	145 (94.2%)	9 (5.8%)	1.32	0.15-8.6	0.9427
		Medium 79-235	287	279 (97.2%)	8 (2.8%)	1	-	
		Large >235	145	140 (96.6%)	5 (3.4%)	0.93	0.01-46.7	
	County level prevalence in the previous year	0-0.07	388	378 (97.4%)	10 (2.6%)	1	-	0.9307
		0.07-0.17	144	137 (95.1%)	7 (4.9%)	1.45	0.03-8.9	
		>=0.17	54	49 (90.7%)	5 (9.3%)	1.35	0.02-7.3	
BURGOS (1530)	Years in the herd	0-1	184	175 (95.1%)	9 (4.9%)	1	-	0.2797
		1-3	690	664 (96.2%)	26 (3.8%)	1.48	0.6-4.3	
		3-4	474	450 (94.9%)	24 (5.1%)	0.67	0.2-2.1	

	>4	182	175 (96.2%)	7 (3.8%)	1.04	0.2-4.8	
bTB-confirmation in the herd in the previous year	No	1007	954 (94.7%)	53 (5.3%)	1	-	0.0058
	Yes	523	510 (97.5%)	13 (2.5%)	0.29	0.1-0.7	
Age (yeas)	0-1	193	186 (96.4%)	7 (3.6%)	1	-	0.7503
	1-3	276	270 (97.8%)	6 (2.2%)	0.55	0.16-1.9	
	3-5	338	328 (97.1%)	10 (2.9%)	0.7	0.23-2.2	
	5-7	199	191 (96%)	8 (4%)	0.86	0.27-2.8	
	>7	524	489 (93.3%)	35 (6.7%)	1	0.4-2.8	
Herd size (number animals of	Small <=63	261	249 (95.4%)	12 (4.6%)	1.4	0.4-4.8	0.8166
	Medium 63-195	782	744 (95.1%)	38 (4.9%)	1	-	
	Large >195	487	471 (96.7%)	16 (3.3%)	0.86	0.2-3.5	
County level prevalence in the previous year	0-0.05	917	864 (94.2%)	53 (5.8%)	1	-	0.0012
	0.05-0.5	428	418 (97.7%)	10 (2.3%)	0.15	0.04-0.4	
	>=0.5	185	182 (98.4%)	3 (1.6%)	1.3	0.2-6.7	

^a Log likelihood ratio test P-value