

SUPPLEMENTARY MATERIAL

Table S1 .Oligonucleotides used for molecular typing and subsequent discrimination in *B. canis* Group 1 and Group 2. The MLVA sequences of the four markers used are also shown.

Primer	Sequence (5'-3')	Amplicon size (bp)	References
BMEI1426	TCGTCG GTG GACTGGATG AC	774	Zygmunt et al., (2009)
BMEI1427	ATGGTCCGCAAGGTGCTTTT		
BR1080f	CCCTTGGTTTGTAGCGGT TG	197	Halling et al., (2005)
BR1080r	TCATCGTCCTCCGTCATCCT		
BMEI1688	TCAACTGCGTGAACAATGCT	278	Rajashekara et al., (2004)
BMEI1687	GCGGGCTCTATCTCAAGGTC		Halling et al., (2005)
BMEI0205f	CGTCAACTCGCTGGCCAAGAG	299, 425, 551, 614	Le Fle`che et al., (2006)
BMEI0205r	GCAGGAGAACCGCAACCT AA		
BMEI1434f	GCCAGCCACAGGATCAGGTGAT	1674, 607	Rajashekara et al., (2004),
BMEI1436r	GGATCCGTTTCGTTTCGCTCG		
BME2436f	CCAACCGTATGTCCTCTCT	766	Kang et al (2011)
BME2435r	TGCGGGAAGTGGTGTTTCGACG		
BRUCE04	CTGACGAAGGGAAGGCAATAAG CGATCTGGAGATTATCGGGAAG	152-208	Le Fle`che et al., (2006)
BRUCE07	GCTGACGGGGAAGAACATCTAT ACCCTTTTTCAGTCAAGGCAAA	150-190	Le Fle`che et al., (2006)
BRUCE09	CTGACGAAGGGAAGGCAATAAG CGATCTGGAGATTATCGGGAAG	124-244	Le Fle`che et al., (2006)
BRUCE16	ACGGGAGTTTTTGTGCTCAAT GGCCATGTTTCCGTTGATTAT	144-240	Le Fle`che et al., (2006)

bp: base pairs

Table S2. Number of alleles and Hunter-Gaston diversity index obtained with the four selected markers.

Locus	Nº of allele	HDGI^a	IC 95%^b
Bruce04	5	0.705	0.550-0.859
Bruce07	5	0.848	0.805-0.890
Bruce09	8	0.895	0.816-0.974
Bruce16	7	0.876	0.803-0.949

^a Hunter-Gaston discriminatory index, ^b Confidence interval of 95% of the HDGI for each locus

Table S3. Number of repetitions obtained with each marker, molecular patterns and origin of each of the strains analyzed with MLVA.

Isolate	Bruce04	Bruce07	Bruce09	Bruce16	Origin	Molecular patterns
C25	4	8	6	9	Tortuguillas	4-8-6-9
C42	6	5	8	5	Del Viso	6-5-8-5
C32	6	5	11	8	Del Viso	6-5-11-8
51545	6	5	11	9	V. Ballester	6-5-11-9
60616	6	6	5	6	Recoleta	6-6-5-6
87447	6	6	8	9	La Pampa	6-6-8-9
79207	6	8	10	11	Banfield	6-8-10-11
C15	6	9	8	8	Tucumán	6-9-8-8
C9	7	7	10	5	Verónica	7-7-10-5
82543	8	6	7	9	Ituzaingó	8-6-7-9
1789	8	6	8	8	Rosario	8-6-8-8
Cepa 12	8	8	4	12	Corrientes	8-8-4-12
1864	8	9	9	11	Rio Grande	8-9-9-11
C61	8	9	5	5	Rio cuarto	8-9-5-5
76531	11	7	10	7	Paso del rey	11-7-10-7