

SHORT COMMUNICATION

Identification of bovine papillomavirus types by PCR on biopsies of equine sarcoid in Chile

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SUPPLEMENTARY MATERIAL

Table S1.
Characterization of equine sarcoid biopsies used in this study, categorized by collection year, sex, breed, age and origin/region.

#	Year	Sex	Breed*	Age (years)	Origin	Region
1	2004	Female	CRC	7	Osorno	Los Lagos
2	2006	Male	CRC	9	Osorno	Los Lagos
3	2008	Male	CRC	11	Osorno	Los Lagos
4	2010	Female	Thoroughbred	10	Los Ángeles	Bío-Bío
5	2022	Male	CRC	7	Los Ángeles	Bío-Bío
6	2023	Female	Anglo-arabian	6	Los Ángeles	Bío-Bío
7	2023	Male	CRC	9	Osorno	Los Lagos
8	2023	Male	CRC	2	Valdivia	Los Ríos
9	2024	Female	CRC	1	Valdivia	Los Ríos
10	2023	Female	Thoroughbred	5	Santiago	Metropolitana
11	2023	Male	CRC	4	Santiago	Metropolitana
12	2024	Male	Thoroughbred	9	Rancagua	O'Higgins
13	2024	Female	CRC	10	Santiago	Metropolitana
14	2024	Male	CRC	10	Los Ángeles	Bío-Bío
15	2024	Female	CRC	4	Los Ángeles	Bío-Bío
16	2024	Female	CRC	2	Los Ángeles	Bío-Bío
17	2024	Male	CRC	3	Los Ángeles	Bío-Bío
18	2024	Female	CRC	6	Los Ángeles	Bío-Bío
19	2024	Male	Holsteiner	12	Valdivia	Los Ríos
20	2024	Male	CRC	4	Los Ángeles	Bío-Bío
21	2024	Male	CRC	5	Los Ángeles	Bío-Bío
22	2024	Female	CRC	2	Los Ángeles	Bío-Bío
23	2025	Female	CRC	2	Los Ángeles	Bío-Bío

*CRC: Caballo de Raza Chilena.

Table S2.
Detail of target genes and primer sequences used for conventional PCR in this study.

Target gene	Primer sequence (5'–3')	Product size (base pairs)
Equine mitochondrial	forward	153
	reverse	
BPV-1	forward	301
	reverse	
BPV-2	forward	164
	reverse	
BPV-13	forward	188
	reverse	

Note: Primers were design in this study.

Table S3.
Results of the association between BPV-1 positive, BPV-2 positive and co-detection cases with the variables sex, breed and age (Fisher's Exact Test).

Variable	Category	BPV-1	P-value	BPV-2	P-value	BPV-1 and 2	P-value
Sex	Female	4	1	10	1	3	1
	Male	4		11		3	
Breed	CRC	7	0.62	16	1	5	1
	Other	1		5		1	
Age	< 6 years	6	0.38	12	1	5	0.18
	> 6 years	2		9		1	