

**Table S1.** Clinical data for 15 dogs previously diagnosed with PCP and clear of the *CARMIL2* variant

Breed	Age (years)	Sex	Country of Origin	Reference
Whippet	3	MN	Austria	[27]
American Staffordshire	5	MN	Italy	[6]
Akita Inu	2	MI	Italy	[6]
Toy Poodle	< 1	MI	Italy	[6]
Border Collie	< 1	FI	Italy	[6]
Golden Retriever	11	MI	Italy	[6]
Not available	Not available	Not available	Italy	[6]
Boxer	< 1	FI	Italy	[6]
Not available	Not available	Not available	Italy	[6]
Not available	Not available	Not available	Italy	[6]
Not available	Not available	Not available	Italy	[6]
English Bulldog	11	MI	Italy	[6]
Jack Russel Terrier	10	FI	Italy	[6]
Mixed breed	11	FI	Italy	[6]
Not available	Not available	Not available	Italy	[6]

FI = Female intact; MI = Male intact; MN = Male neutered