

Table S1: Characteristics of the case population.

Dog#	ID#	Gender	Intact, Spayed or Neutered	BW (kg)
1	12285	F	S	11.0
2	13204	M	I	11.0
3	13256	M	N	10.8
4	13206	M	I	40.9
5	13201	F	S	4.0
6	13250	M	N	11.3
7	13266	M	N	10.8
8	13194	F	S	6.2
9	13241	M	N	5.9
10	12840	F	I	3.2
11	11031	F	S	4.4