

Table S1. Detailed individual data of the dogs included in the study.

	Breed	Years	Months	Body weight	Lactation period	Diagnostic	Reproduction status
1	Rottweiler	3 years	36	45 kg	PP	Mastitis acuta	Primiparous
2	Cocker Spaniel	10 years	120	15 kg	LSG	Mastitis acuta	Intact
3	Mongrel	5 years	60	30 kg	PP	Mastitis acuta	NDA
	Caucasian Shepherd						
4	Dog	4 years	48	55 kg	PP	Mastitis acuta	Multiparous
5	Bichon	4 years	48	8 kg	LSG	Mastitis acuta	Primiparous
6	Dobermann	1.4 years	16	35 kg	PP	Healthy	Primiparous
7	Vizsla	3 years	36	23 kg	PP	Mastitis acuta	Primiparous
8	Boxer	6 years	72	26 kg	PP	Mastitis acuta	Multiparous
9	Rottweiler	5 years	60	40 kg	PP	Subclinical mastitis	Multiparous
10	Mongrel	12 years	144	35 kg	AP	Mastitis acuta	Primiparous
	Caucasian Shepherd						
11	Dog	4.5 years	53	65 kg	PP	Subclinical mastitis	Multiparous
12	Beagle	6 years	72	16 kg	PP	Healthy	Multiparous
13	English Bulldog	3 years	36	25 kg	PP	Subclinical mastitis	Multiparous
14	Cane Corso	5 years	60	45 kg	PP	Mastitis acuta	Multiparous
15	Basset Hound	2 years	24	30 kg	PP	Subclinical mastitis	Primiparous
						Mammary congestion	
16	Yorkshire Terrier	2.5 years	29	5 kg	PP		Primiparous
17	German Shepherd	7 years	84	30 kg	PP	Subclinical mastitis	Multiparous
18	German Shepherd	5 years	60	30 kg	PP	Healthy	Multiparous
19	German Shepherd	6 years	72	30 kg	PP	Healthy	Multiparous
20	English Bulldog	2 years	24	20 kg	PP	Healthy	Primiparous
21	Siberian Husky	2.5 years	29	25 kg	PP	Healthy	Multiparous
22	Shih Tzu	2 years	24	7 kg	PP	Healthy	Primiparous
23	Pekingese	3 years	36	3 kg	LSG	Healthy	Intact
24	Mongrel	1.5 years	17	50 kg	PP	Subclinical mastitis	Multiparous
25	Rottweiler	3 years	36	40 kg	PP	Healthy	Multiparous
	Caucasian Shepherd						
26	Dog	5 years	60	60 kg	PP	Subclinical mastitis	Multiparous
27	Saint Bernard	6 years	72	50 kg	PP	Healthy	Multiparous
28	Rottweiler	1.3 years	15	25 kg	PP	Galactostasis	Primiparous
29	Cane Corso	3 years	36	45 kg	PP	Healthy	Primiparous
30	Dobermann	3 years	36	35 kg	PP	Galactostasis	Primiparous
31	Bichon	5 years	60	7 kg	PP	Subclinical mastitis	Multiparous
	American						
32	Staffordshire Terrier	1.5 years	17	23 kg	PP	Healthy	Primiparous
33	Rottweiler	1.5 years	17	40 kg	LSG	Galactostasis	Intact
34	German Shepherd	3 years	36	30 kg	PP	Healthy	Multiparous
35	German Shepherd	3 years	36	30 kg	PP	Healthy	Multiparous
36	Labrador retriever	4 years	48	30 kg	PP	Galactostasis	Multiparous
	Caucasian Shepherd						
37	Dog	1.8 years	20	51 kg	PP	Subclinical mastitis	Primiparous
38	Neapolitan Mastiff	3 years	36	51 kg	LSG	Galactostasis	Intact
39	Cane Corso	4 years	48	40 kg	PP	Subclinical mastitis	Multiparous
40	Yorkshire Terrier	1.2 years	14	5 kg	PP	Healthy	Primiparous
41	Cane Corso	3 years	36	50 kg	PP	Subclinical mastitis	Multiparous
42	Pekingese	2.3 years	27	3 kg	PP	Healthy	Primiparous
43	French Bulldog	3 years	36	12 kg	LSG	Galactostasis	Intact
44	Cane Corso	3 years	36	40 kg	PP	Healthy	Multiparous
45	German Shepherd	3 years	36	30 kg	PP	Healthy	Primiparous
46	Dobermann	5 years	60	40 kg	LSG	Subclinical mastitis	NDA
47	American Bulldog	3.5 years	41	40 kg	PP	Healthy	Multiparous
48	Bichon	14 years	168	8 kg	LSG	Galactostasis	Multiparous
49	Rottweiler	2.5 years	29	40 kg	PP	Healthy	Primiparous
	Central Asian						
50	Shepherd Dog	7 years	84	50 kg	PP	Subclinical mastitis	Multiparous
51	Mongrel	3 years	36	10 kg	LSG	Galactostasis	Intact
52	Saint Bernard	3 years	36	40 kg	PP	Healthy	Primiparous
53	Rottweiler	5.4 years	64	56 kg	LSG	Galactostasis	Multiparous
54	Beagle	3 years	36	16 kg	PP	Healthy	Multiparous
55	Mongrel	2 years	24	3 kg	PP	Healthy	Primiparous
56	German Shepherd	3 years	36	25 kg	PP	Healthy	Multiparous
57	German Shepherd	3.5 years	41	27 kg	PP	Healthy	Multiparous
58	German Shepherd	3 years	36	30 kg	PP	Healthy	Multiparous
59	German Shepherd	3 years	36	30 kg	PP	Healthy	Multiparous
60	German Shepherd	7 years	84	35 kg	PP	Healthy	Multiparous
61	Yorkshire Terrier	1.3 years	15	5 kg	PP	Mastitis gangrenosa	Primiparous

62	Caucasian Shepherd Dog	5 years	60	50 kg	AP	Healthy	Multiparous
63	Yorkshire Terrier	3 years	36	3 kg	PP	Healthy	Multiparous
64	American Bulldog	1.3 years	15	35 kg	LSG	Galactostasis	Intact
65	German Shepherd	1.5 years	17	20 kg	PP	Mammary congestion	Primiparous
66	German Shepherd	6 years	72	25 kg	PP	Mammary congestion	Multiparous
67	German Shepherd	2.5 years	29	20 kg	PP	Healthy	Multiparous
68	Belgian Shepherd	5.5 years	65	20 kg	PP	Healthy	Multiparous
69	Mongrel	4 years	48	20 kg	PP	Mastitis acuta	Multiparous
70	Caucasian Shepherd Dog	3 years	36	60 kg	AP	Healthy	Multiparous
71	Cane Corso	3 years	36	45 kg	PP	Healthy	Primiparous
72	German Shepherd	5 years	60	25 kg	PP	Subclinical mastitis	Multiparous
73	German Shepherd	1.5 years	17	25 kg	PP	Healthy	Primiparous
74	German Shepherd	1.5 years	17	25 kg	PP	Healthy	Primiparous
75	German Shorthaired Pointer	6 years	72	31 kg	PP	Healthy	Primiparous
76	Siberian Husky	3 years	36	25 kg	PP	Healthy	Multiparous
77	Cane Corso	4 years	48	35 kg	PP	Mastitis acuta	Multiparous
78	Bucovina Shepherd Dog	3.3 years	39	44 kg	LSG	Galactostasis	NDA
79	German Shepherd	5 years	60	30 kg	PP	Healthy	Multiparous
80	Cane Corso	3 years	36	45 kg	PP	Subclinical mastitis	Multiparous
81	Cane Corso	3 years	36	40 kg	PP	Subclinical mastitis	Primiparous
82	Siberian Husky	4 years	48	12 kg	LSG	Galactostasis	Intact
83	French Bulldog	3 years	36	13 kg	PP	Healthy	Primiparous
84	Golden Retriever	4 years	48	25 kg	PP	Healthy	Primiparous
85	Dachshund	1 year	12	8 kg	LSG	Galactostasis	Intact
86	Dobermann	1.8 years	20	40 kg	PP	Mastitis acuta	Primiparous
87	German Shorthaired Pointer	5 years	60	20 kg	PP	Subclinical mastitis	Primiparous

Abbreviations: LSG—*Lactatio sine graviditate*; AP—*Ante-partum*; PP—*Post-partum*; NDA—No data available.