

Table S2. Anamnestic data related to the dogs included in the study.

		Healthy N=41	Subclinical mastitis N=17	Clinical mastitis N=29
Age		1.2-7 years	1.5-7 years	1-14 years
Bodyweight		3-60 kg	7-65 kg	5-56 kg
Season	Spring	14(34.1%)	1 (5.9%)	12 (41.4%)
	Summer	9 (22.0%)	5 (29.4%)	7 (24.1%)
	Autumn	10 (24.4%)	7 (41.2%)	5 (17.2%)
	Winter	8 (19.5%)	4 (23.5%)	5 (17.2%)
Type of shelter	Backyard	10 (24.4%)	9 (52.9%)	11 (37.9%)
	Flat	5 (12.2%)	1 (5.9%)	5 (17.2%)
	House and backyard	1 (2.4%)	-	2 (6.9%)
	House	6 (14.06%)	-	6 (20.7%)
	Kennel	19 (46.3%)	7 (41.2%)	4 (13.8%)
	Street			1(3.4%)
	Commercial	17 (41.5%)	6 (35.3%)	11 (37.9%)
	Commercial/Cooked	16 (39.0%)	7 (41.2%)	8 (27.6%)
Type of food	Cooked	4 (9.8%)	1 (5.9%)	5 (17.2%)
	NDA	4 (9.8%)	3 (17.6%)	5 (17.2%)
	LSG	1 (2.4%)	1 (5.9%)	5 (17.2%)
	Obstetrical	4 (9.8%)	4 (23.5%)	3 (10.3%)
History	Other pathology	1 (2.4%)	1 (5.9%)	
	NDA	35 (85.4%)	11 (64.7%)	21 (72.4%)
	AI	7 (17.1%)	4 (23.5%)	1 (3.4%)
	Natural controlled	29 (70.7%)	11 (64.7%)	9 (31.0%)
Type of coitus	Natural uncontrolled	2 (4.9%)	1(5.9%)	6 (20.7%)
	NDA	3 (7.5%)	1 (5.9%)	13 (44.8%)
	Intact	1 (2.4%)	-	8 (27.6%)
	Primiparous	17 (41.5%)	4 (23.5%)	10 (34.5%)
Reproduction status	Multiparous	23 (56.1%)	12 (70.6%)	9 (31.0%)
	NDA	-	1 (5.9%)	2 (6.9%)
	LSG	1 (2.4%)	1 (5.9%)	12 (41.4%)
	AP	2 (4.9%)	-	1 (3.4%)
Lactation period	PP	38 (92.7%)	16 (94.1%)	16 (55.2%)
	1 st	21 (51.2%)	12 (70.6%)	8 (27.6%)
	2 nd	9 (22.0%)	2 (11.8%)	3 (10.3%)
	3 rd	5 (12.2%)	1 (5.9%)	2 (6.9%)
Lactation age in weeks	4 th	-	-	-
	5 th	2 (4.9%)	-	-
	7 th	1 (2.4%)	-	1 (3.4%)
	8 th	1 (2.4%)	1 (5.9%)	-
	NDA	2 (4.9%)	1 (5.9%)	15 (51.7%)
Gestation duration		51-67 days	54-64 days	56-67 days
Mammary gland clinical signs	Hard without modified milk secretion	-	-	7 (24.1%)
	Hard with modified milk secretion	-	-	2 (6.9%)
	Hard and sensitive	-	-	5 (17.2%)

	Modified milk secretion	-	-	5 (17.2%)
	No overt signs	41 (100.0%)	17 (100.0%)	10 (34.5%)
Concurrent affections	Mortinatality	14 (34.1%)	10 (58.8%)	4 (13.8%)
	Small litter	3 (7.3%)	-	2 (6.9%)
	Obstetrical	3 (7.3%)	4 (23.5%)	7 (24.1%)
	Other pathology	1 (2.4%)	-	5 (17.2%)
	NDA	20 (48.8%)	3 (17.6%)	11 (37.9%)
Laboratory assays				
Milk pH	Acidic (6.0-6.5)	25 (61.0%)	2 (11.8%)	3 (10.3%)
	Alkaline (7.0-9.5)	14 (34.1%)	14 (82.4%)	23 (79.3%)
	NDA	2 (4.9%)	1 (5.9%)	3 (10.3%)
CRP	Milk	0.1–2.5 µg/mL	2.9–20.7 µg/mL	2.8–9.2 µg/mL
	Serum	3.9–8.0 µg/mL	8.1–67.9 µg/mL	5.2–81.7 µg/mL
Milk cytology		Few somatic and squamous cells	Moderate somatic cells, degenerated neutrophils, foamy and epithelial cells, bacteria and phagocytosis	Increased somatic cells, degenerated neutrophils, eosinophils, foamy cells, cellular debris, erythrocytes, bacteria, and phagocytosis

Abbreviations: LSG=*Lactatio sine graviditate*; AP=*Ante-partum*; PP=*Post-partum*; AI=Artificial insemination; NDA=No data available; CRP=C-reactive protein; N=number of observations.