

1 **Pathogen-specific changes in composition and quality traits of milk from goats affected**
2 **by subclinical intramammary infections**

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12 **SUPPLEMENTARY FILE**

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14 **Table S1.** Milk production decrease in $\frac{3}{4}$ Alpine (n=12) and Anglo Nubian (n=10) goats
15 associated with subclinical intramammary infections caused by *S. aureus*, non-aureus
16 staphylococci (NAS), and co-infection by both *S. aureus* and NAS¹

Daily production (kg / animal /day)		
No infection	1.8	Reference
NAS	1.7	-0.1
<i>S. aureus</i>	1.6	-0.2
<i>S. aureus</i> + NAS	1.5	-0.4
P	0.60	

17 ¹Linear mixed model = animal as random effect, and lactation period and intramammary
18 infection as fixed effects.

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30 **Table S2.** Frequency of intramammary infection in $\frac{3}{4}$ Alpine (n=12) and Anglo Nubian
 31 (n=10) goat breeds at different lactation stages

Lactation stage	Frequency (%)	SEM
50 days	38.8a	0.21
100 days	34.0a	0.22
150 days	15.9b	0.35
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Breed		
$\frac{3}{4}$ Alpine	31.25	0.17
Anglo Nubian	21.87	0.23

32 Within each factor, means followed by different superscripts in the row are significantly
 33 different by negative binomial distribution ($P < 0.05$)

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