

**Table S1.** Calculation of significant differences in the general well-being (significant differences in bold) of the experimental sheep. Significance was calculated using the Mann-Whitney test. An error probability of  $p < 0.05$  was assumed to be significant.

Day	Negative Control/ PG2T	Negative Control/ PLM	PG2T/ PLM
-5	0,121	<b>0,018</b>	0,465
-4	<b>0,014</b>	<b>0,006</b>	0,334
-3	0,221	0,052	0,353
-2	0,863	0,470	0,189
-1	0,476	0,082	0,189
0	<b>0,043</b>	<b>0,092</b>	0,380
0, 2 h p.i.	0,116	0,368	0,210
0, 8 h p.i.	0,080	0,306	0,163
1	<b>0,014</b>	0,170	0,200
2	<b>0,014</b>	<b>0,009</b>	0,821
3	<b>0,007</b>	<b>0,001</b>	0,725
4	<b>0,006</b>	<b>0,003</b>	0,826
5	<b>0,011</b>	<b>0,004</b>	0,912
6	<b>0,043</b>	<b>0,028</b>	0,664
7	<b>0,043</b>	<b>0,005</b>	0,280
8	0,241	<b>0,013</b>	0,094
9	0,194	<b>0,033</b>	0,369
10	0,075	<b>0,009</b>	0,430
11	<b>0,007</b>	<b>0,000</b>	0,822
12	0,056	0,134	0,360
13	<b>0,011</b>	<b>0,002</b>	0,475
14	<b>0,007</b>	<b>0,003</b>	<b>0,009</b>
15	<b>0,030</b>	<b>0,006</b>	0,872

**Table S2.** Course of the average internal body temperature (°C) over the test period; pathological values are written in bold

Day	Group							
	Negative Control	PG2T	PLM U	PLM V	PLM W	PLM X	PLM Y	PLM Z
-5	38,9	<b>39,6</b>	nb	nb	39,5	nb	nb	nb
-4	39,1	<b>39,7</b>	39,5	<b>39,9</b>	39,5	<b>40,0</b>	39,3	39,6
-3	38,7	39,1	39,2	39,3	39,2	39,0	39,1	39,1
-2	39,1	39,1	39,5	39,3	39,3	39,0	39,0	38,9
-1	38,9	39,2	39,0	38,8	39,1	38,7	39,2	39,0
0	38,8	39,0	39,2	38,9	39,2	38,8	39,1	38,9
0, 2 h p.i.	38,7	<b>39,6</b>	<b>39,9</b>	39,1	<b>39,6</b>	38,9	39,5	39,1
0, 4 h p.i.	39,0	39,5	<b>39,9</b>	<b>39,6</b>	<b>39,6</b>	39,0	<b>39,7</b>	<b>40,2</b>
0, 8 h p.i.	38,9	<b>39,6</b>	<b>39,8</b>	<b>39,8</b>	39,5	38,8	39,4	<b>39,9</b>
0, 12 h p.i.	38,9	<b>39,6</b>	<b>39,8</b>	<b>39,8</b>	39,5	38,8	39,1	<b>39,7</b>
1	38,9	38,9	39,2	38,9	38,7	38,8	39,1	38,8
2	38,6	39,4	38,8	39,1	39,1	<b>40,0</b>	39,1	38,8
3	38,8	<b>39,7</b>	39,0	39,0	39,1	<b>39,8</b>	39,5	39,4
4	38,6	<b>39,6</b>	39,3	39,2	39,1	<b>39,9</b>	39,3	39,4
5	38,6	<b>39,6</b>	<b>40,0</b>	39,3	39,3	<b>39,6</b>	39,5	39,4
6	38,8	39,3	39,3	39,3	39,4	39,0	39,2	38,9
7	38,7	39,2	39,3	39,2	39,1	38,8	38,8	38,9
8	38,6	39,1	39,0	39,1	39,2	38,7	38,9	38,8
9	38,6	39,2	39,0	38,6	39,1	38,6	38,9	39,0
10	38,8	39,2	39,1	39,1	39,4	38,9	38,8	38,9
11	38,7	39,1	38,6	39,1	39,0	39,3	38,7	38,7
12	38,6	38,7	38,8	39,1	39,0	38,6	38,8	38,7
13	38,6	38,9	38,9	38,9	39,4	38,7	38,8	38,9
14	38,7	38,9	38,9	38,7	39,0	38,7	39,0	38,8
<b>15</b>	38,6	39,0	39,0	38,7	39,2	38,9	38,9	38,9
16	nb	38,9	39,0	38,9	39,0	38,9	39,0	39,0

17	nb	38,8	nb	nb	39,2	39,0	nb	39,0
18	nb	39,0	nb	nb	nb	nb	nb	nb

**Table S3.** Calculation of significant differences in the milk yield from the infected right udder halves between the groups (significant differences in bold). Significance was calculated using the post hoc test. An error probability of  $p < 0.05$  was assumed to be significant.

Day	Milk Yield (Right Udder halves)		
	Negative Control/ PG2 <sup>T</sup>	Negative Control/ PLM	PG2T/ PLM
-4	1,000	1,000	1,000
-3	1,000	1,000	1,000
-2	1,000	1,000	1,000
-1	0,402	0,448	1,000
0	0,101	0,093	1,000
1	0,181	<b>0,021</b>	1,000
2	<b>0,001</b>	<b>0,000</b>	1,000
3	<b>0,002</b>	<b>0,000</b>	1,000
4	<b>0,000</b>	<b>0,000</b>	1,000
5	<b>0,001</b>	<b>0,000</b>	1,000
6	<b>0,000</b>	<b>0,000</b>	1,000
7	<b>0,010</b>	<b>0,001</b>	1,000
8	<b>0,001</b>	<b>0,000</b>	1,000
9	<b>0,000</b>	<b>0,000</b>	1,000
10	<b>0,001</b>	<b>0,000</b>	1,000
11	<b>0,007</b>	<b>0,001</b>	1,000
12	<b>0,012</b>	<b>0,003</b>	1,000
13	<b>0,010</b>	<b>0,002</b>	1,000
14	<b>0,009</b>	<b>0,001</b>	1,000
15	<b>0,003</b>	<b>0,000</b>	1,000

**Table S4.** Hyperplasia of the right (A) and left (B) udder lymph node.

**(A)**

Group		Frequency		
<b>Negativ</b>	Valid	.00	6	
	<b>PG2</b>	Valid	1.00	2
			2.00	3
			2.50	1
		Total		6
<b>PLM_U</b>	Valid	2.00	3	
<b>PLM_V</b>	Valid	1.50	1	
		2.00	2	
		Total		3
<b>PLM_W</b>	Valid	2.00	1	
		3.00	2	
		Total		3
<b>PLM_X</b>	Valid	1.00	1	
		2.00	2	
		Total		3
<b>PLM_Y</b>	Valid	2.00	2	
		3.00	1	
		Total		3
<b>PLM_Z</b>	Valid	.00	1	
		1.00	1	
		2.00	1	
		Total		3

**(B)**

Group			Frequency	
Negativ	Valid	.00	6	
	PG2	Valid	.00	6
		Valid	.00	3
		Valid	1.00	1
			1.50	1
		2.00	1	
	Total		3	
PLM_W	Valid	.00	3	
PLM_X	Valid	.00	1	
			2.00	2
		Total		3
PLM_Y	Valid	.00	3	
PLM_Z	Valid	.00	2	
			1.00	1
		Total		3