

Supplementary: Effect of lipopolysaccharides (LPS) and lipoteichoic acid (LTA) on inflammatory response in rumen epithelial cells (REC) and the impact of LPS on claw explants

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Table S1: Selected genes and references analysed in REC and claw explants.

Selected genes (LPS pathway, Inflammation)	Reference
CD4 antigen (CD14)	NM_001103225
Interleukin-1 beta (IL-1 beta)	NM_174093, XM_005212737
Matrix metalloproteinase 2 (MMP2)	NM_174745
Matrix metalloproteinase 9 (MMP9)	NM_174744
Myeloid differentiation factor 88 (MyD88)	NM_001014382
Nuclear factor kappa-B (Nfkb)	NM_001076409
Toll-like receptor 2 (TLR2)	NM_174197
Toll-like receptor 4 (TLR4)	NM_174198
Tumor necrosis factor (TNF)	NM_173966, XM_005223596
TNF receptor associated factor (TRAF6)	NM_001034661
Housekeeping genes	
Beta actin (ACTB)	NM_173979
Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)	NM_001034034

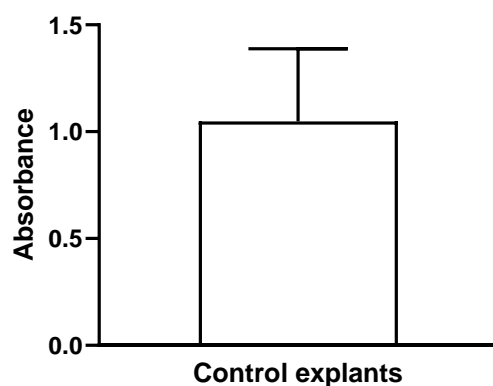


Figure S1. Absorbance values at 450 nm measured with the WST-1 assay of control explants after 24 h incubation with medium. Error bars display standard deviation.

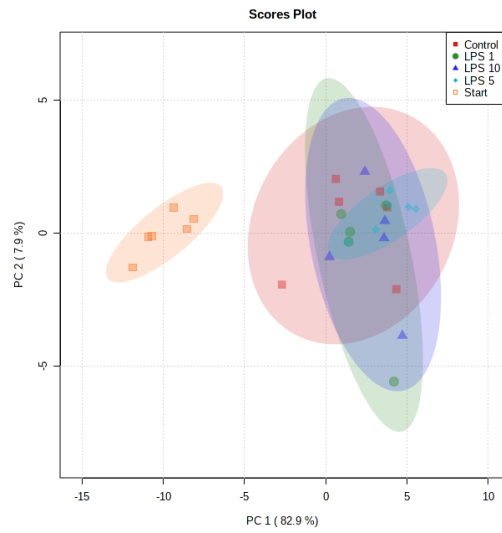


Figure S2. PCA plots of the expression of all measured genes of explants before incubation (Start), untreated explants (Control) after 4 hours incubation, and ex-plants incubated with 1, 5, and 10 $\mu\text{g/mL}$ LPS (LPS1, LPS5, LPS10) for 4 hours. $n = 5$ animals.