



**Supplemental Figure 1. Granulosa cells have limited responsiveness to PAMPs when treated in serum free medium.** Granulosa cells were cultured in serum free conditions for 48 h before PAMP challenge. Accumulation of IL-6 (A) in the supernatants of granulosa cells was measured by ELISA following 24 h in culture with the PAMPs ultrapure lipopolysaccharide (LPS), *lipoteichoic acid* (LTA), peptidoglycan (PGN) or Pam3CSK4 (PAM). Granulosa cells were treated with 0.1, 1 and 10 µg/ml of each PAMP (ranging left to right and represented by triangles). Data are presented as mean + SEM from 4 - 7 independent experiments. Analysis was performed by ANOVA followed by Dunnett's pair-wise post-hoc tests. Alternatively granulosa cells were cultured in serum free medium containing 1 µg/ml of ultrapure LPS for 30, 60, 90 or 180 min to determine time dependent effects of LPS (B) or cultured in serum free medium containing 0.1, 1 or 10 µg/ml of ultrapure LPS for 180 min to determine concentration dependent effects of LPS treatment (C). *IL6* gene expression was measured using real time RT-PCR. Data are represented as mean + SEM fold induction compared with control cells at time 0 from 3 - 4 independent experiments. Fold induction was compared to untreated control within time points; analysis by non-parametric Mann-Whitney U test. \*  $P < 0.05$

**Supplemental Table 1. PCR primer sequence, product size, Genebank ID and siRNA sequence.**

Gene	Genbank ID	5' sequence	3' sequence	Product (bp)
<i>IL6</i>	NM_173923.2	ATGACTTCTGCTTTCCTA CCC	GCTGCTTTCACACTCATC ATTC	179
<i>IL8</i>	NM_173925.2	GCAGGTATTTGTGAAGAGA GCTG	CACAGAACATGAGGCAC TGAA	177
<i>TLR4</i>	NM_174198.6	AGCCACGGCCATCCTCTCC T	AGCTCAGGTCCAGCATCT TGGT	148
<i>AMH</i> (56)	NM_173890.1	GTGGTGCTGCTGCTAAAGA TG	TCGGACAGGCTGATGAG GAG	104
<i>MHCI</i>				
<i>I</i> ( <i>BLA-DQB</i> )	NM_00103466 8.2	GAGCGGGTGCGGTACGTG AC	AGCGCCCGGTACAAGTC CA	86
<i>ACTB</i>	NM_173979.3	CAGAAGCACTCGTACGTGG G	TTGGCCTTAGGGTTCAGG G	199
siRN A- <i>TLR4</i>	NM_174198.6	GAGUAUAUCUUAGGAAGU UU	ACUUCCUAAAGAUUAC UCUU	

56. Rico C, Medigue C, Fabre S, Jarrier P, Bontoux M, Clement F, Monniaux D 2011 Regulation of anti-Mullerian hormone production in the cow: a multiscale study at endocrine, ovarian, follicular, and granulosa cell levels. *Biol Reprod* 84:560-571