Supplemental File Descriptions:

For: Shangraw et al. 2021. Hypogalactia in mammary quarters adjacent to LPS-infused quarters is associated with transcriptional changes in immune genes. Submitted to Journal of Dairy Science, December, 2020.

Supplemental File S1: **Gene expression comparisons.** DEG sorted by gene set at 3 and 12 h post-infusion (Table 1); DESeq2 results for all treatment or time comparisons of genes expressed in mammary tissue at 3 h, 12 h, or across time.

Supplemental File S2: **Pathway analysis results for 3 h comparisons.** Lists the KEGG term; count (no. genes enriching term); % (percent of total genes belonging to term enriched by gene set); P-value (EASE score); genes; Benjamini-corrected FDR; and direction of regulation in A) local response (T-L vs T-S or C-S), or B) adjacent response (T-S vs C-S).

Supplemental File S3: **Pathway analysis results for 12 h comparisons.** Lists the KEGG term; count (no. genes enriching term); % (percent of total genes belonging to term enriched by gene set); P-value (EASE score); genes; Benjamini-corrected FDR; and direction of regulation in A) local response (T-L vs T-S or C-S), B) common and unique local response (T-L vs T-S and T-L vs C-S), or C) adjacent response (T-S vs C-S).

Supplemental File S4: **Pathway analysis results for treatment comparisons over time.** Lists the KEGG term; count (no. genes enriching term); % (percent of total genes belonging to term enriched by gene set); P-value (EASE score); genes; Benjamini-corrected FDR; and direction of regulation at 12 h compared to 3 h in A) T-L, B) T-S, or C) C-S.