

Title: Disparate roles of marrow-derived cell TLR4 and parenchymal cell TLR4 on neutrophil, plasma cytokine and inflammatory gene responses at onset of murine LPS-induced systemic inflammation

Authors: Justin E. Juskewitch¹, Jeffrey L. Platt, M.D.², Bruce E. Knudsen³, Keith L. Knutson, Ph.D.⁴, Gregory J. Brunn, Ph.D.⁵, Joseph P. Grande M.D., Ph.D.^{3*}

Author Affiliations: ¹Mayo Graduate School, College of Medicine, Mayo Clinic, Rochester, MN, USA, 55905; ²Department of Surgery, University of Michigan, Ann Arbor, MI, USA, 48109; ³Division of Experimental Pathology, Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN, USA, 55905; ⁴Department of Immunology, Mayo Clinic, Rochester, MN, USA, 55905; ⁵Department of Molecular Pharmacology and Experimental Therapeutics, Mayo Clinic, Rochester, MN, USA, 55905

SUPPLEMENTARY TABLE S1

RT-PCR primer pair sequences used for organ gene expression analysis in this study along with RT-PCR efficiencies.

Gene Name	Forward primer sequence	Reverse primer sequence	PCR Efficiency (%)
<i>Tlr4</i> ¹	5'-GCA GAA AAT GCC AGG ATG ATG-3'	5'-AAC TAC CTC TAT GCA GGG ATT CAA G-3'	88.8
<i>EGFP</i> ²	5'-CAA CTA CAA CAG CCA CAA CG-3'	5'-GGT CAC GAA CTC CAG CAG-3'	95.1
<i>Tnf</i> ⁴	5'-GAC CCT CAC ACT CAG ATC ATC TTC T-3''	5'-CCA CTT GGT GGT TTG CTA CGA-3'	92.7
<i>Il6</i> ²	5'-CAA AGC CAG AGT CCT TCA GA-3'	5'-GAT GGT CTT GGT CCT TAG CC-3'	99.4
<i>Ccl2</i> ¹	5'-GGC TCA GCC AGA TGC AGT TAA-3'	5'-CCT ACT CAT TGG GAT CAT CTT GCT-3'	96.6
<i>Rn18s</i> ³	5'-CTC AAC ACG GGA AAC CTC AC-3'	5'-CGC TCC ACC AAC TAA GAA CG-3'	97.9

Table S1. RT-PCR primer pair sequences used for organ gene expression analysis in this study along with RT-PCR efficiencies.

¹From reference 51. ²From reference 52. ³From reference 53.