

# Supplementary Materials: Pathogen and Host Response Dynamics in a Mouse Model of *Borrelia hermsii* Relapsing Fever

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**Table S1.** Serum protein analytes of rodent panel.

Analyte	Abbreviation	Alternative	Protein Class
Apolipoprotein A1	Apo A1		Lipoprotein component
Beta-2 Microglobulin	$\beta$ -2 microglobulin		MHC II component
Calbindin			Calcium-binding
CD40			Cell receptor
CD40 Ligand	CD40L	CD154	Receptor ligand
Clusterin			Chaperone
C-reactive Protein	CRP		Acute-phase protein
Cystatin-C			Protease inhibitor
Epidermal Growth Factor	EGF		Growth factor
Endothelin-1			Vasoconstrictor
Eotaxin		CCL11	Chemokine
Factor VII			Clotting factor
Fibroblast Growth Factor-9	FGF-9		Growth factor
Fibroblast Growth Factor-2	FGF-2		Growth factor
Fibrinogen			Acute-phase protein
Glutathione S-Transferase	GST		Enzyme
Granulocyte Chemotactic Protein-2	GCP-2	CXCL6	Chemokine
Granulocyte Macrophage-Colony Stimulating Factor	GM-CSF	CSF2	Cytokine
Growth Hormone			Hormone
Growth-Regulated Alpha Protein	KC/GRO $\alpha$	CXCL1	Chemokine
Haptoglobin			Acute-phase protein
Interferon-gamma	IFN- $\gamma$		Cytokine
Immunoglobulin A	IgA		Immunoglobulin
Interleukin-10	IL-10		Cytokine
Interleukin-11	IL-11		Cytokine
Interleukin-12p70	IL-12p70		Cytokine
Interleukin-17	IL-17		Cytokine
Interleukin-18	IL-18		Cytokine
Interleukin-1alpha	IL-1 $\alpha$		Cytokine
Interleukin-1beta	IL-1 $\beta$		Cytokine
Interleukin-2	IL-2		Cytokine
Interleukin-3	IL-3		Cytokine
Interleukin-4	IL-4		Cytokine
Interleukin-5	IL-5		Cytokine
Interleukin-6	IL-6		Cytokine
Interleukin-7	IL-7		Cytokine
Insulin			Hormone

Table S1. Cont.

Analyte	Abbreviation	Alternative	Protein Class
Inducible Protein-10	IP-10	CXCL10	Chemokine
Leptin			Hormone
Leukemia Inhibitory Factor	LIF		Cytokine
Lymphotactin		XCL1	Chemokine
Monocyte Chemoattractant Protein-1	MCP-1	CCL2	Chemokine
Monocyte Chemoattractant Protein-3	MCP-3	CCL7	Chemokine
Monocyte Chemoattractant Protein-5	MCP-5	CCL12	Chemokine
Macrophage-Colony Stimulating Factor	M-CSF	CSF1	Cytokine
Macrophage-Derived Chemokine	MDC	CCL22	Chemokine
Macrophage Inflammatory Protein-1alpha	MIP-1 $\alpha$	CCL3	Chemokine
Macrophage Inflammatory Protein-1beta	MIP-1 $\beta$	CCL4	Chemokine
Macrophage Inflammatory Protein-1gamma	MIP-1 $\gamma$	CCL9	Chemokine
Macrophage Inflammatory Protein-2	MIP-2	CXCL1	Chemokine
Macrophage Inflammatory Protein-3beta	MIP-3	CCL19	Chemokine
Matrix Metalloproteinase-9	MMP-9		Enzyme
Myeloperoxidase	MPO		Enzyme
Myoglobin			Muscle protein
Lipocalin-2	LCN2	NGAL	Transport protein
Oncostatin M	OSM		Cytokine
Osteopontin	OPN		Immune modulator
“Regulation upon Activation, Normal T-cell Expressed, Secreted”	RANTES	CCL5	Chemokine
Serum Amyloid P	SAP		Acute-phase protein
Stem Cell Factor	SCF	KITLG	Cytokine
Serum Glutamic-Oxaloacetic Transaminase	SGOT		Enzyme
Tissue Inhibitor of Metalloproteinase Type-1	TIMP-1		Protease inhibitor
Tissue Factor		Thromboplastin	Clotting factor
Tumor Necrosis Factor-alpha	TNF-a		Cytokine
Thrombopoietin	TPO	THPO	Hormone
Vascular Cell Adhesion Molecule-1	VCAM-1		Adhesion protein
Vascular Endothelial Cell Growth Factor	VEGF		Growth factor
von Willebrand Factor	vWF		Acute-phase protein