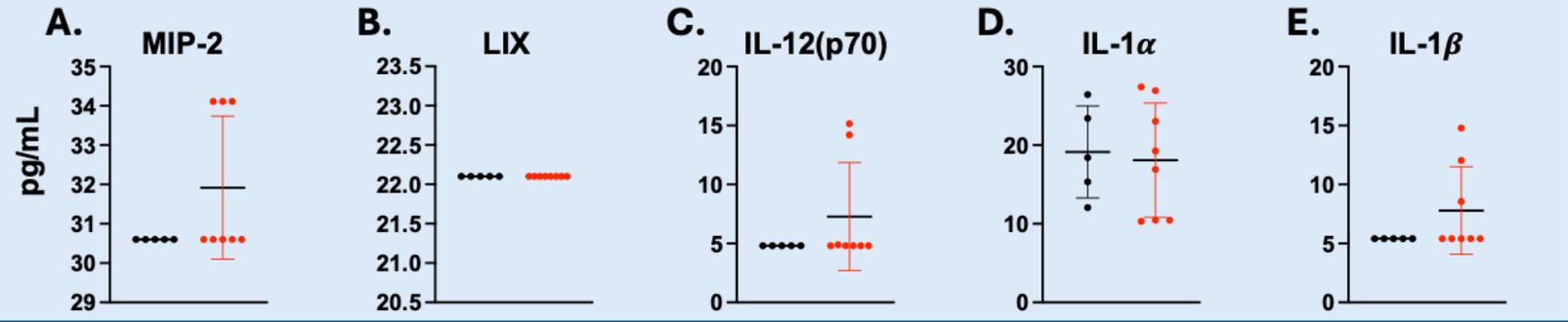
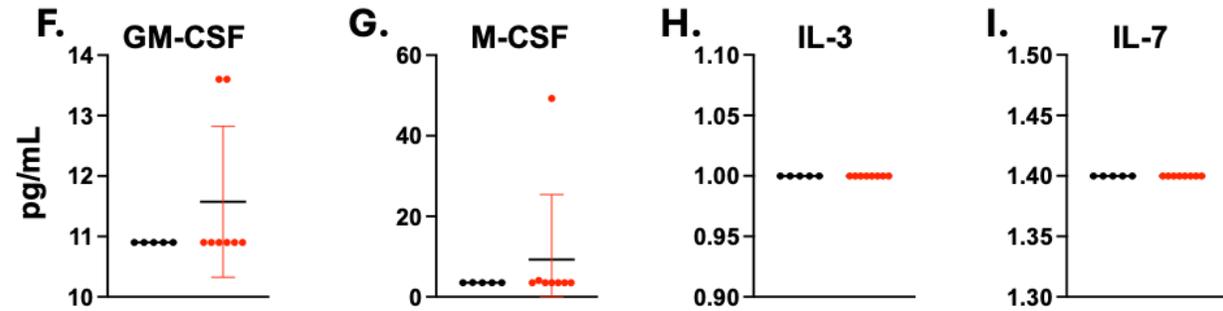


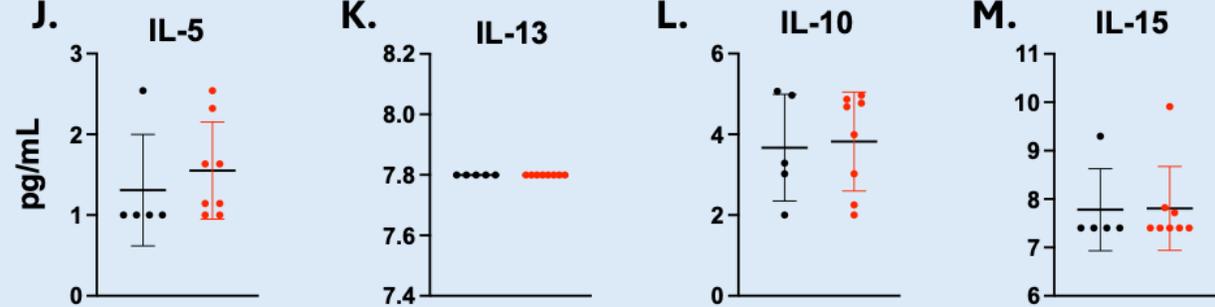
Pro-inflammatory and Innate Immune Cell Recruitment



Hematopoietic Growth Factors

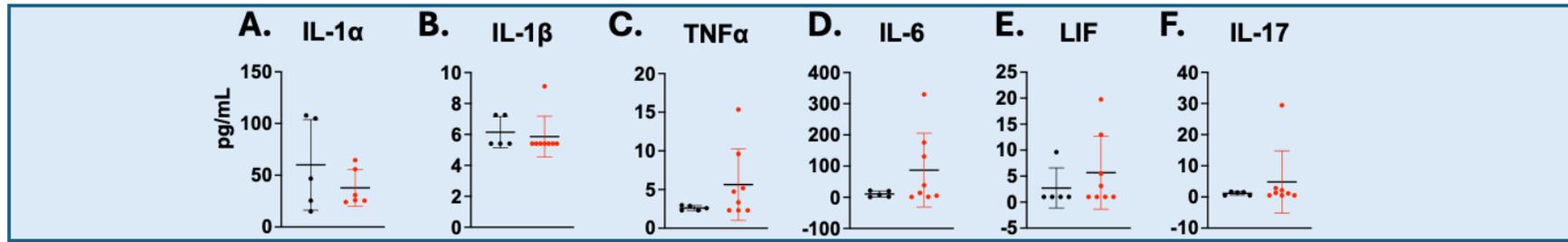


Adaptive Immunity / Regulatory Mediators

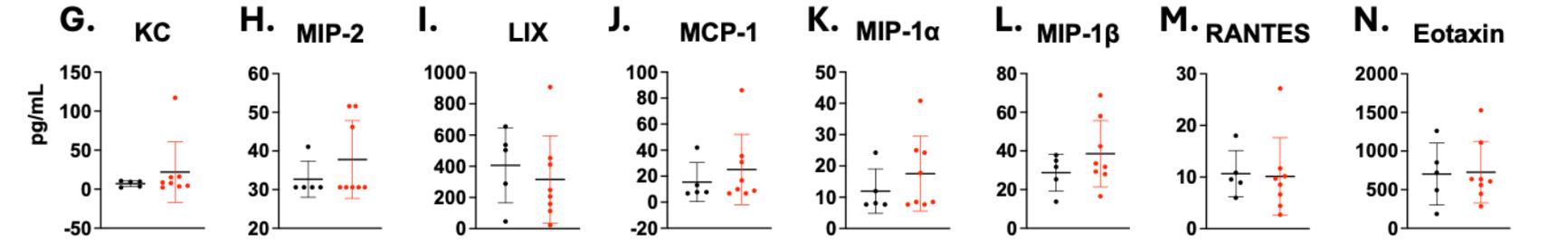


● Control ● C19

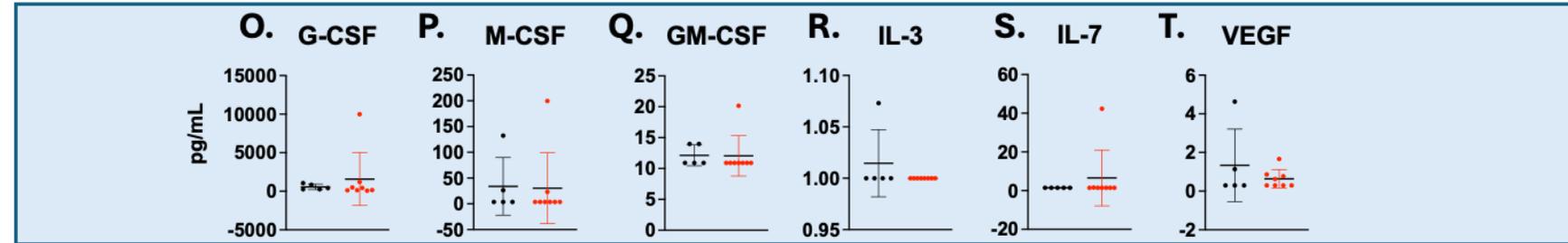
Pro-Inflammatory



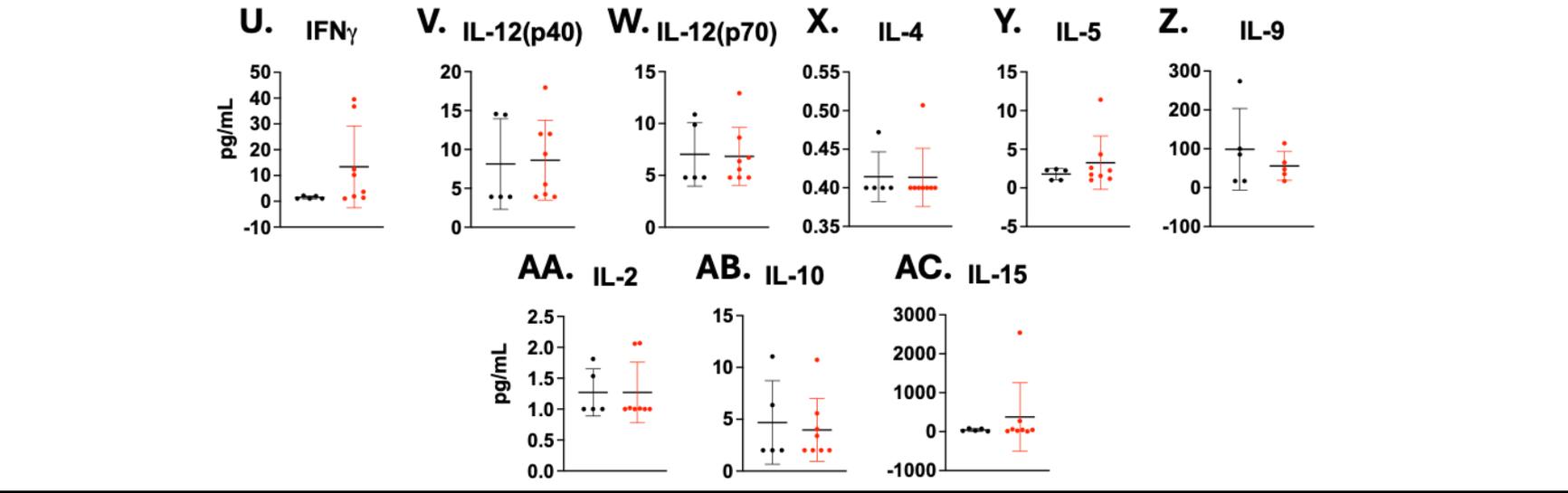
Cellular Recruitment

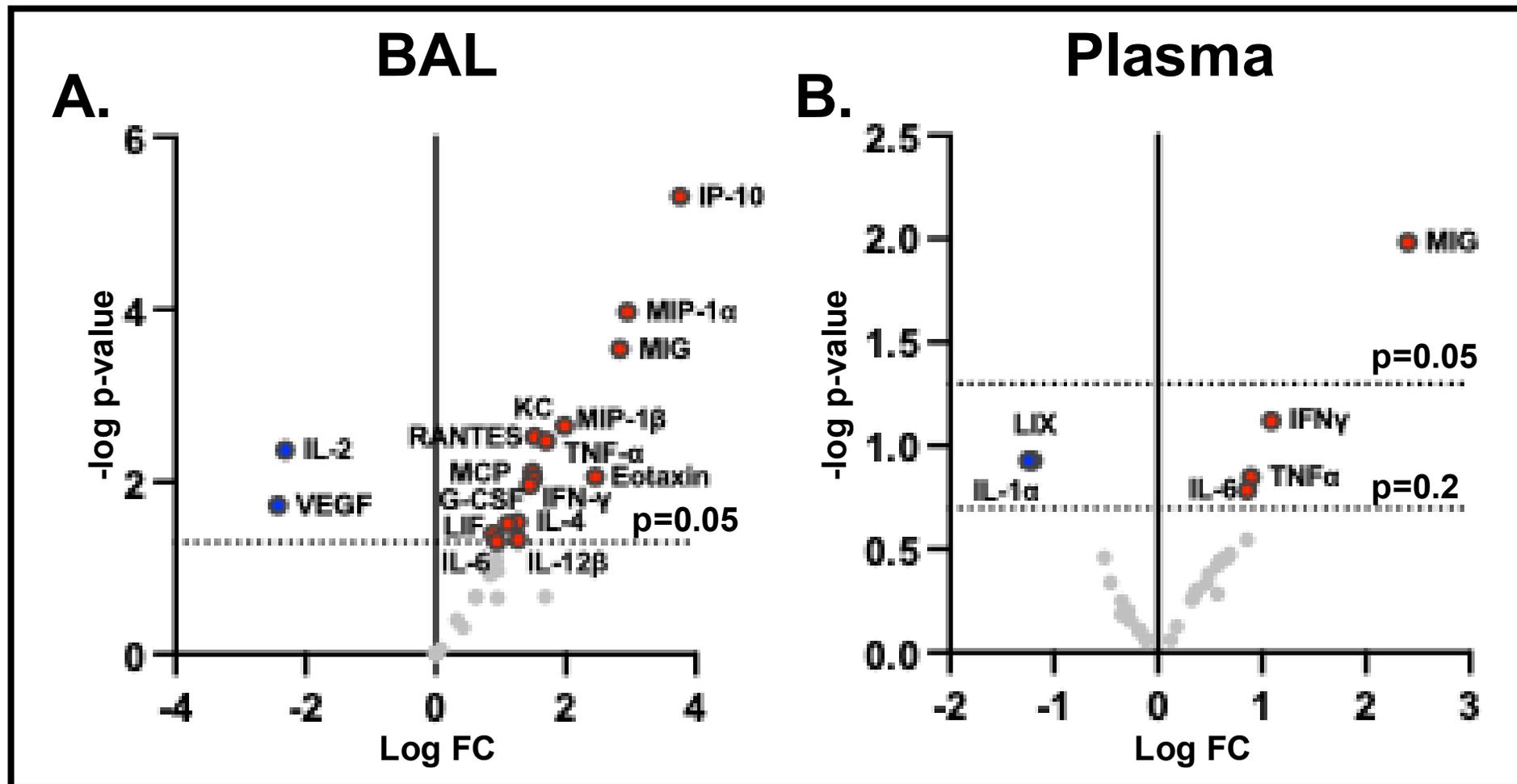


Hematopoietic / Growth Factor



Adaptive Immunity / Regulatory Mediators





Prediction Legend

- more extreme in dataset less
- Increased measurement ●
 - Decreased measurement ●

- more confidence less
- Predicted activation ●
 - Predicted inhibition ●

Glow Indicates activity when opposite of measurement ■ ■

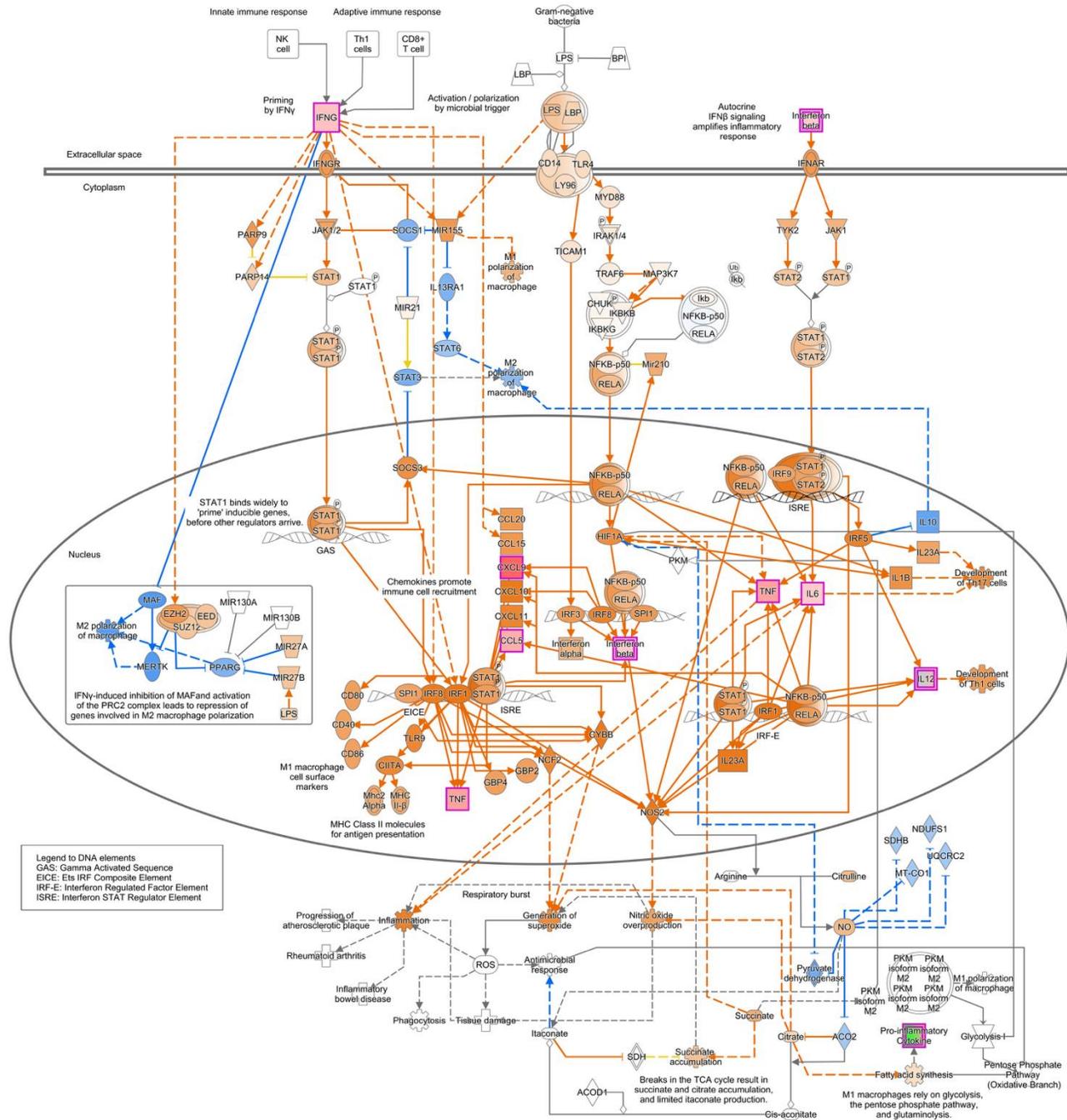
Predicted Relationships

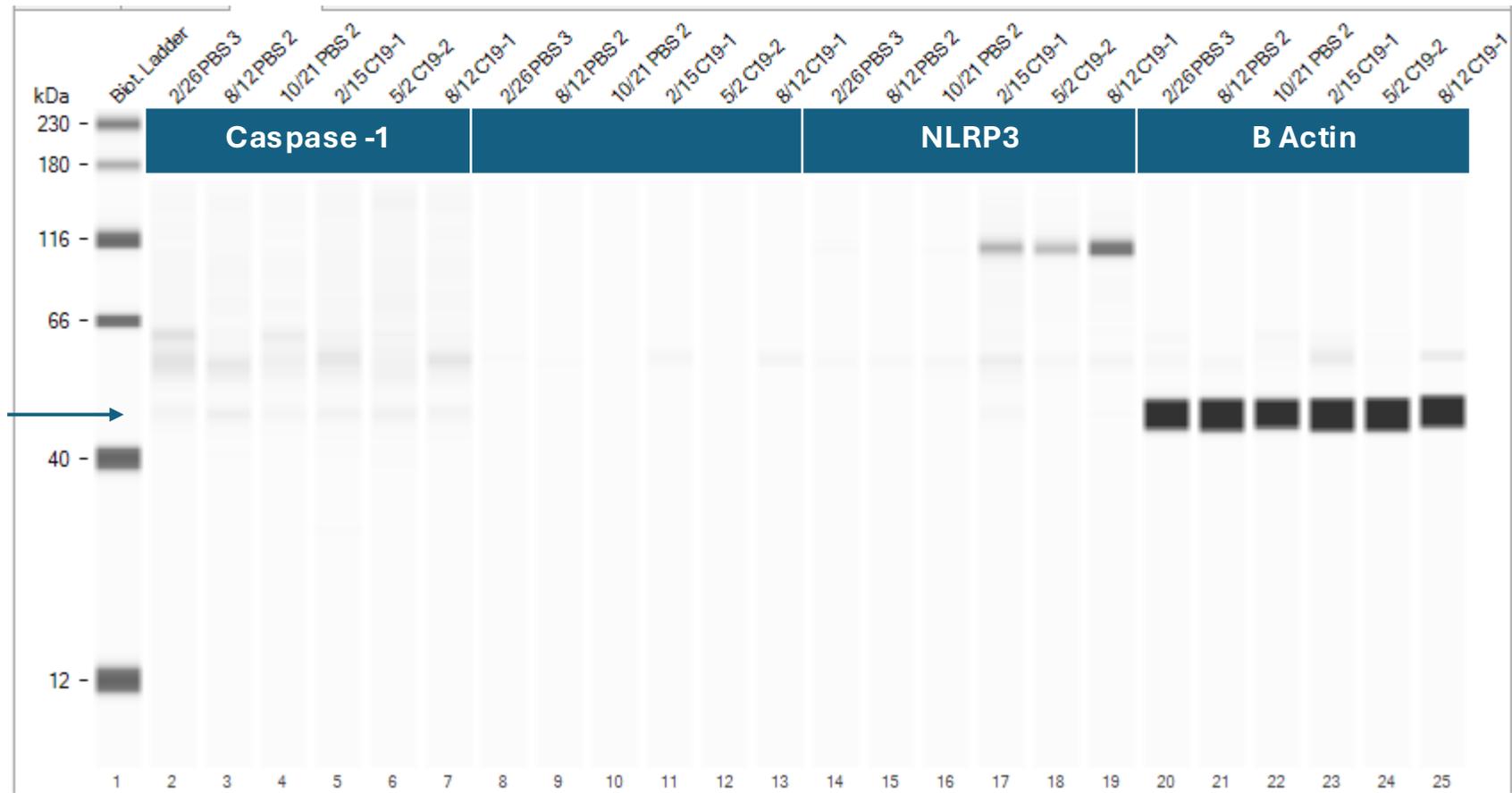
- Leads to activation
- Leads to inhibition
- Findings inconsistent with state of downstream molecule
- Effect not predicted

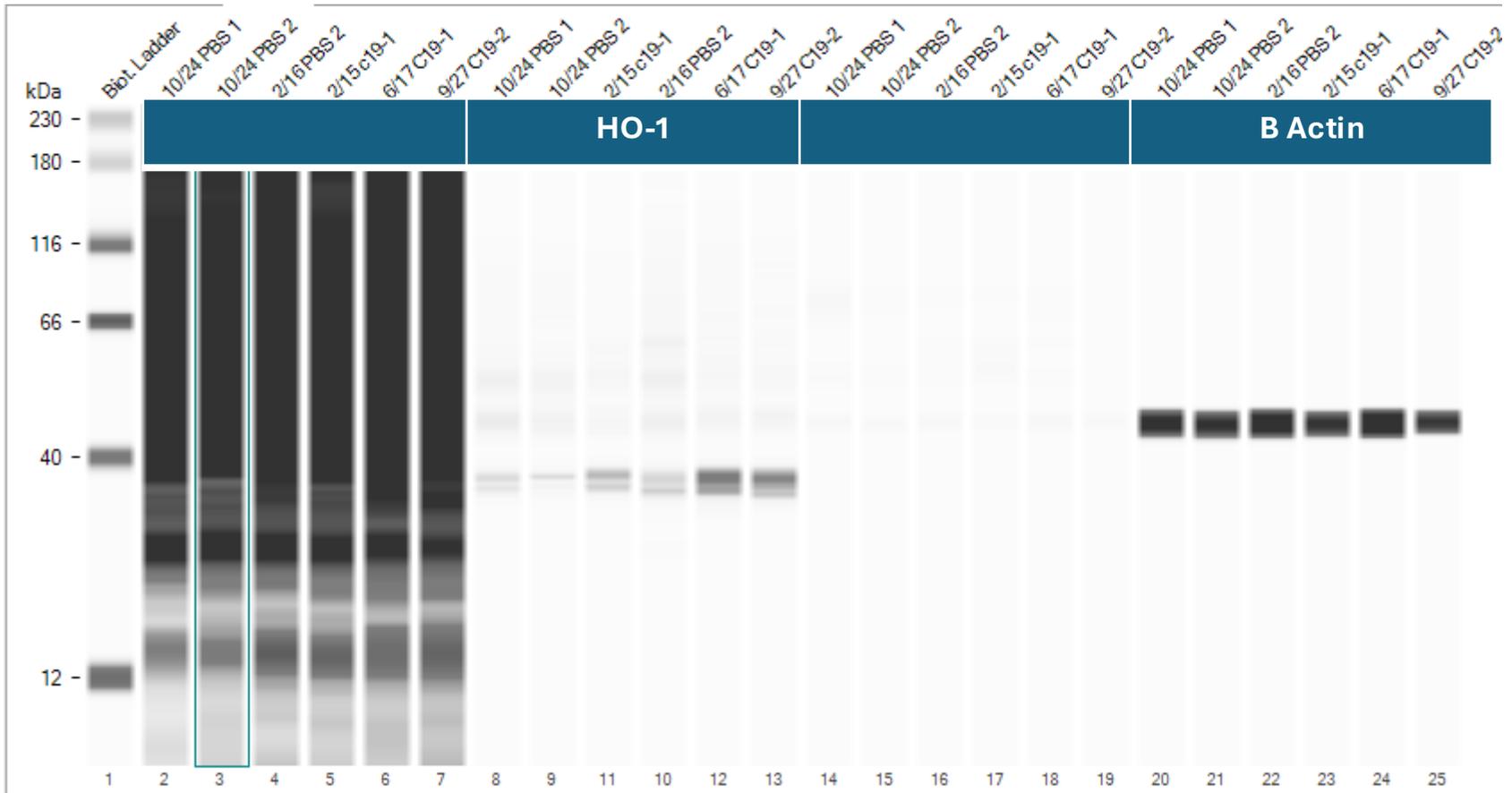
Dashed lines = indirect relationship
Solid lines = direct relationship

- Canonical Pathway
- Complex/Group
- Chemical/Toxicant
- Cytokine
- Disease
- Enzyme
- Function
- Kinase
- microRNA
- Transcriptional Regulator
- Transmembrane Receptor
- Transporter

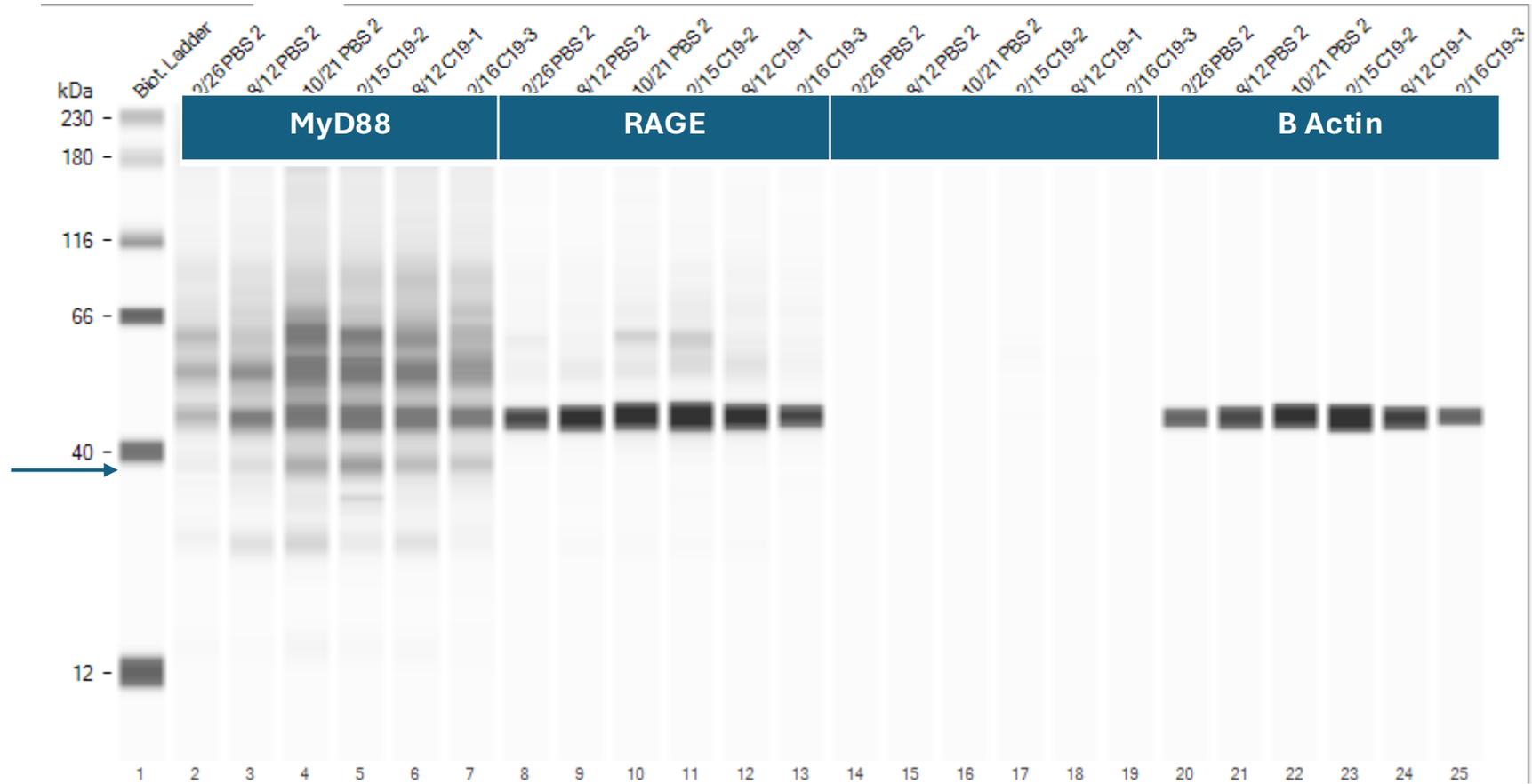
Macrophage Classical Activation Signaling Pathway





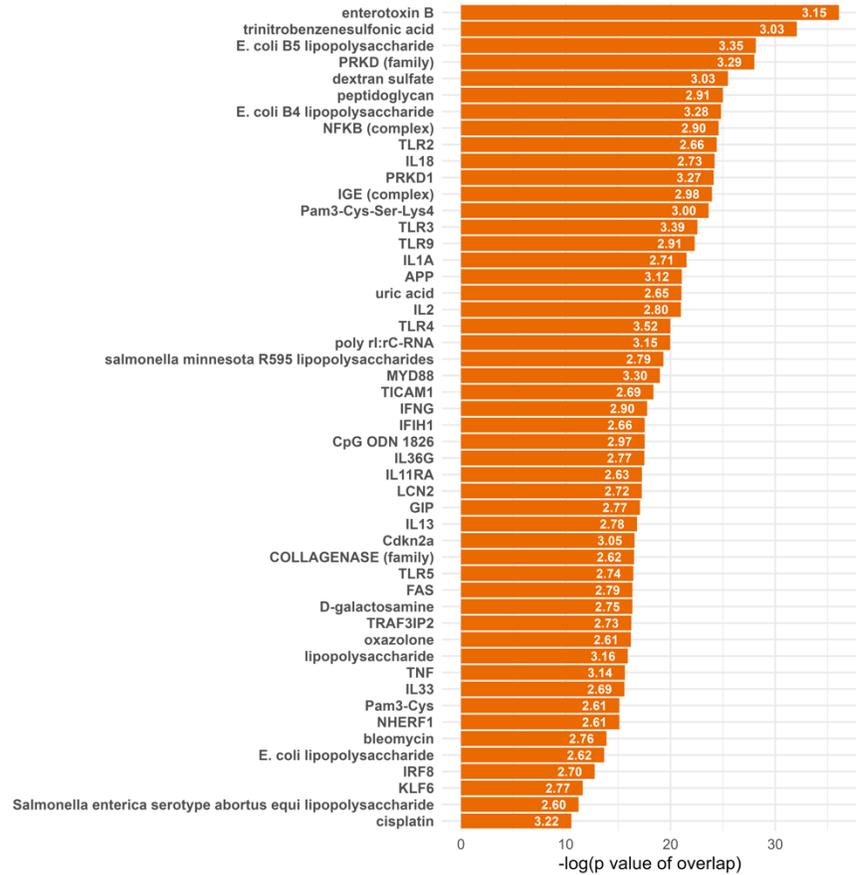


MyD88 = 37



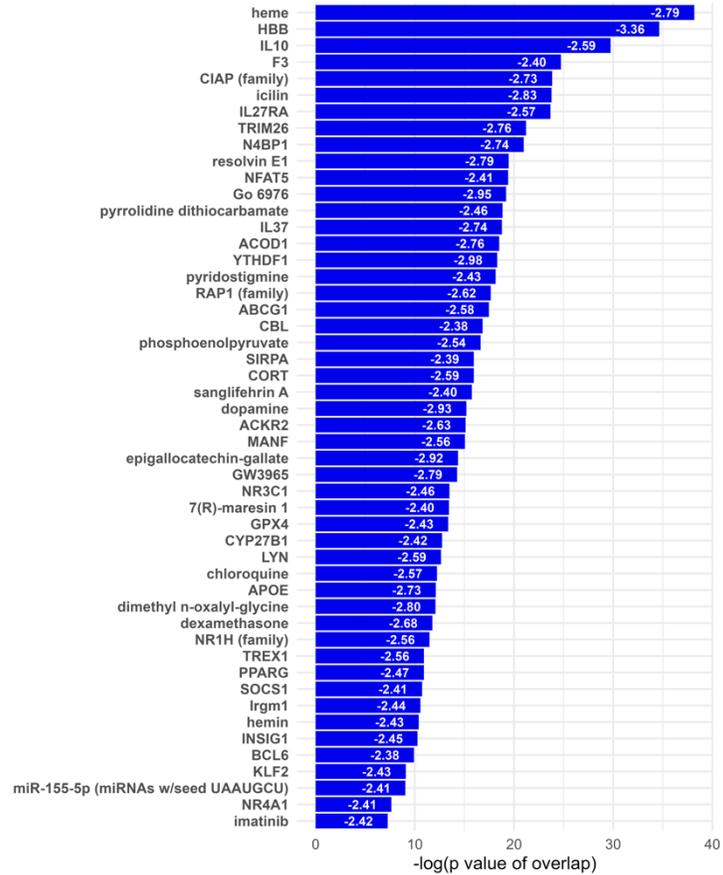
A.

Activated Upstream Regulators: BAL



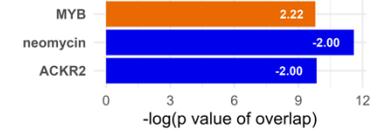
B.

Inhibited Upstream Regulators: BAL



C.

Upstream Regulators: Plasma



Legend
Predicted State



Values inside bars represent significant z-score values >2.0

BAL - Diseases & Functions

Sized by : -log(p-value) Colored by : z-score



All

