



**SUPPLEMENTARY FIG. S5.** Heatmap showing extended cytokine panel with significant changes in cytokine level tracking with blast exposure (days 7 and 9) using training day 4 as the reference. BDNF, brain-derived neurotrophic factor; EGF, epidermal growth factor; GCSF, granulocyte colony-stimulating factor; GROA, growth-regulated oncogene- $\alpha$ ; HGF, hepatocyte growth factor; IL, interleukin; IL-1RA, interleukin-1 receptor agonist; MCP1, monocyte chemoattractant protein 1; MCSF, macrophage colony-stimulating factor; MIG, monokine inducible by interferon gamma; RANTES, regulated upon activation normal T-cell expressed and secreted.