

**Table S2. Dysregulated genes in response to *S. aureus* stimulation compared to unstimulated control cells**

Gene symbol	Gene name	log2FC	FDR	Regulated	Function
<b>HLA-DRB3</b>	major histocompatibility complex, class II, DR beta 3 precursor	0.62	3.38E-2	up	peptide binding and MHC class II receptor activity
<b>Grem1</b>	gremlin-1 isoform X1	0.65	1.92E-4	up	cytokine activity and BMP binding
<b>FGFBP1</b>	fibroblast growth factor-binding protein 1 precursor	0.46	4.14E-3	up	heparin binding and fibroblast growth factor binding
<b>DDIT4</b>	DNA damage-inducible transcript 4 protein	0.38	4.26E-2	up	responses to hypoxia and DNA damage
<b>MYOZ3</b>	myozenin-3 isoform	-1.21	2.17E-2	down	calcineurin-interacting proteins
<b>DAPP1</b>	dual adapter for phosphotyrosine and 3-phosphotyrosine and 3-phosphoinositide	-1.18	2.17E-2	down	phospholipid binding and phosphatidylinositol-3,4-bisphosphate binding
<b>EGR1</b>	early growth response protein 1	-0.83	2.87E-4	down	transcriptional regulator
<b>NF2L3</b>	nuclear factor erythroid 2-related factor 3	-0.80	1.13E-2	down	DNA-binding transcription factor activity and transcription coactivator activity
<b>Ckb</b>	creatine kinase B-type	-0.76	4.14E-6	down	transferase activity, transferring phosphorus-containing groups and kinase activity
<b>C-fos</b>	proto-oncogene c-Fos	-0.76	3.54E-6	down	regulators of cell proliferation, differentiation, and transformation
<b>GADD45B</b>	growth arrest and DNA damage-inducible protein GADD45 beta	-0.52	2.21E-3	down	regulation of growth and apoptosis