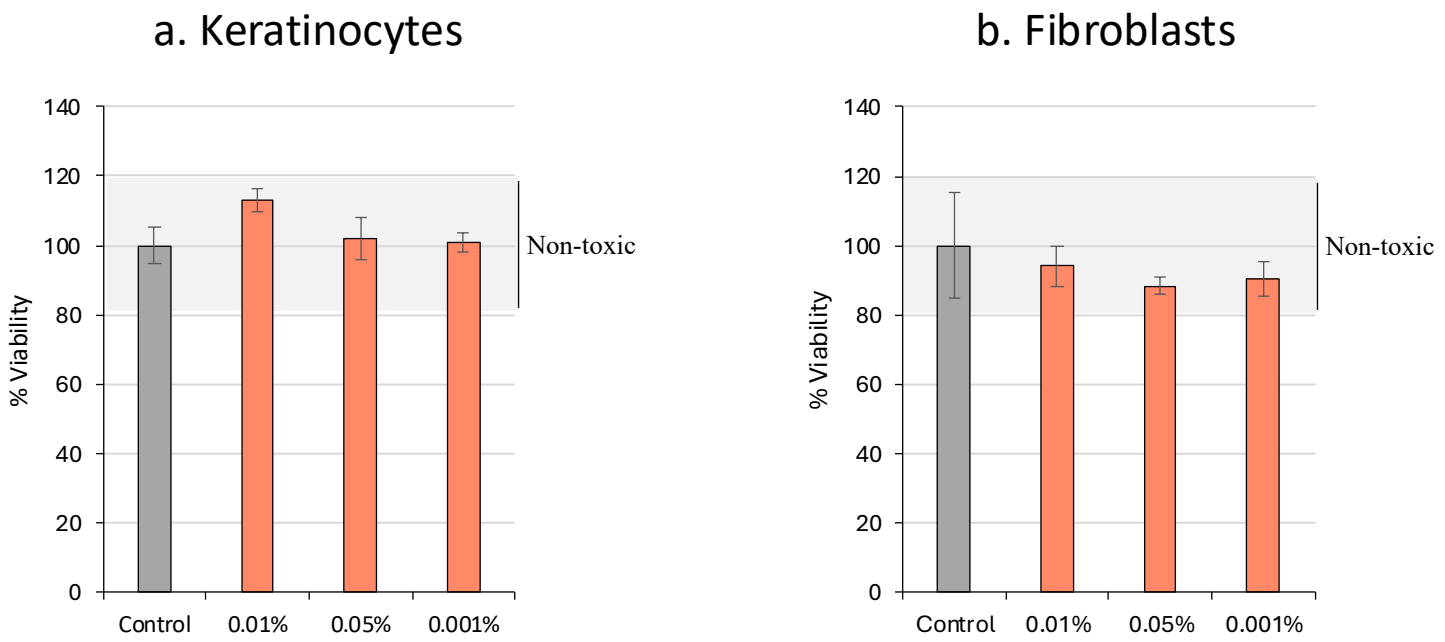
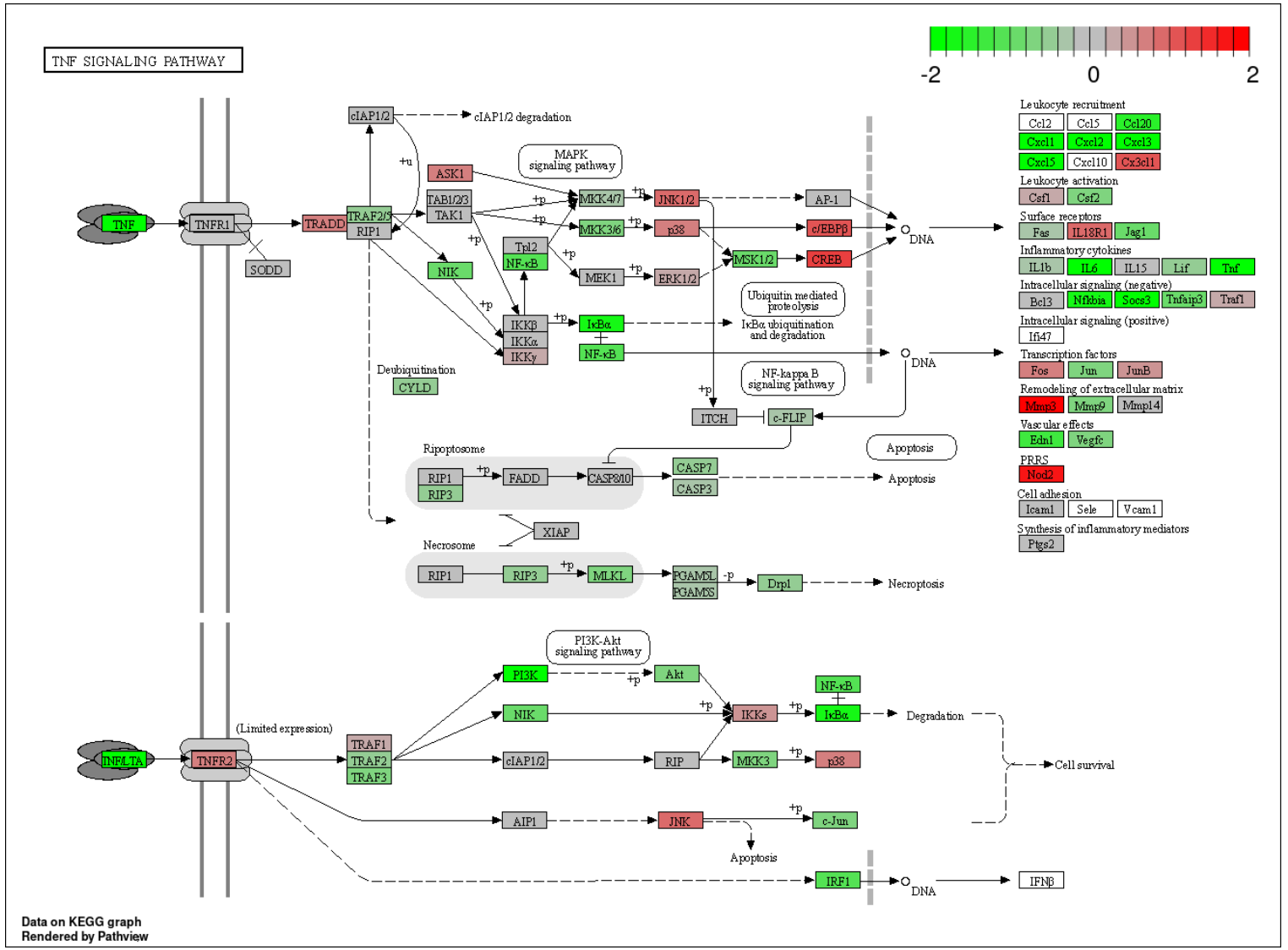
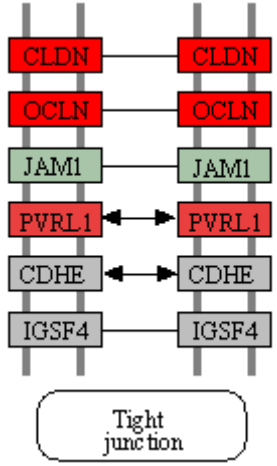


Supplementary Figure S1: Cell viability as measured by MTT assay. DHK is not cytotoxic in either (a) keratinocytes, or (b) fibroblasts for the range of concentrations tested.

a.



b.



Supplementary Figure S2: Additional gene expression data mapped onto KEGG pathways relating to Figure 1. (a) TNF signaling pathway showing downregulation of *TNF*, *NF-kB*, and *IL6* among many other genes. (b) Strong upregulation (red on $\log_2$ fold change scale) of *claudin* and *occludin* genes from the Cell Adhesion Molecule pathway in epithelial cells.