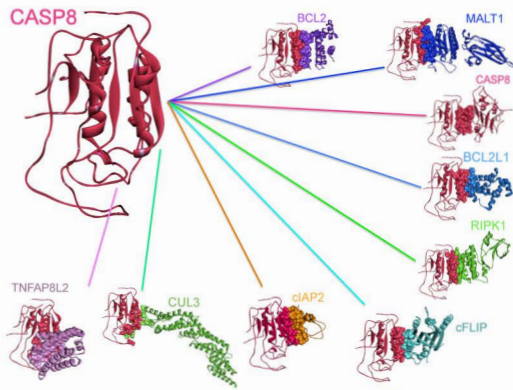
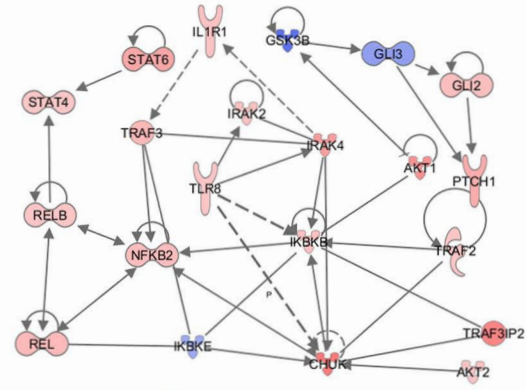


A. Protein Interaction with molecules identified in HNSCC TCGA



B. Previous knowledge of NF- κ B and TNF pathways



C. Generated gene list

61 gene list

D. Searched through data sets

HNSCC TCGA

E. Compared between cancer types

Pan TCGA

F. Experimental data

Cross validation

RNA-seq

Microarray

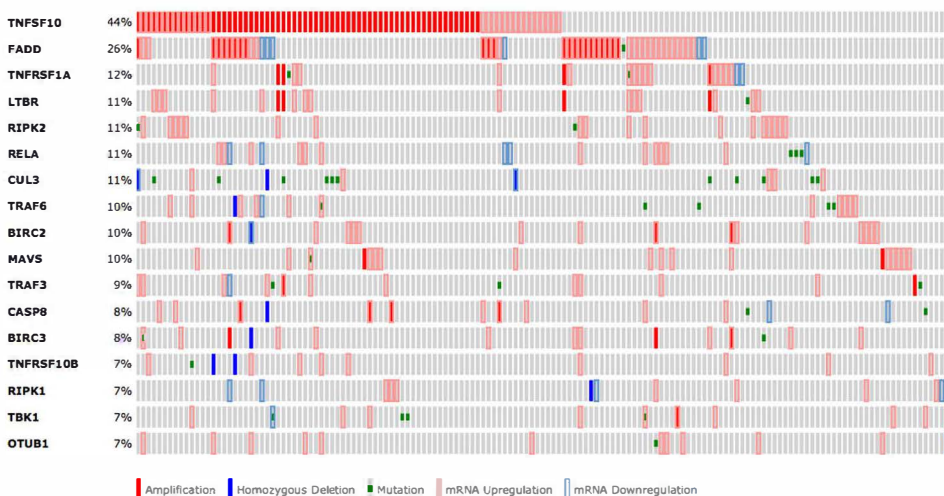
Gene BLAzer

Function assay

A Lung Squamous Cell Carcinoma

All tumor samples that have mRNA, CNA and sequencing data (178 samples)

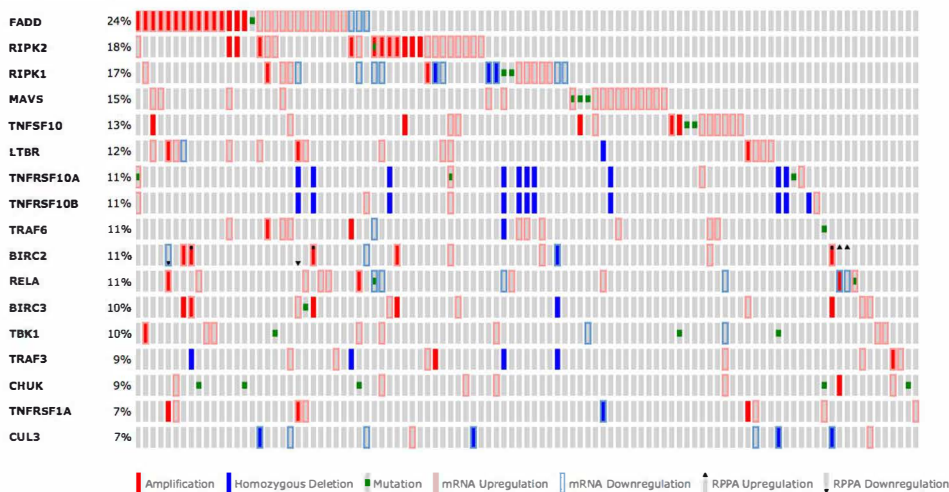
Altered in 151 (85%) of cases



B Bladder Squamous Cell Carcinoma

All tumor samples (131 samples)

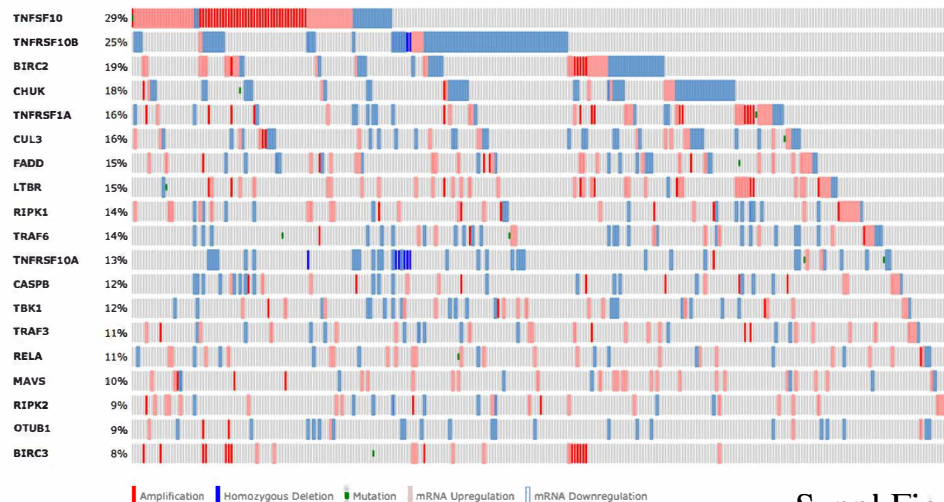
Altered in 103 (79%) of cases

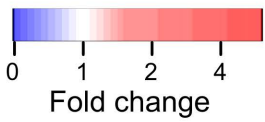


C Ovarian Cancer

All tumor samples that have mRNA, CNA and sequencing data (316 samples)

Altered in 289 (91%) of cases

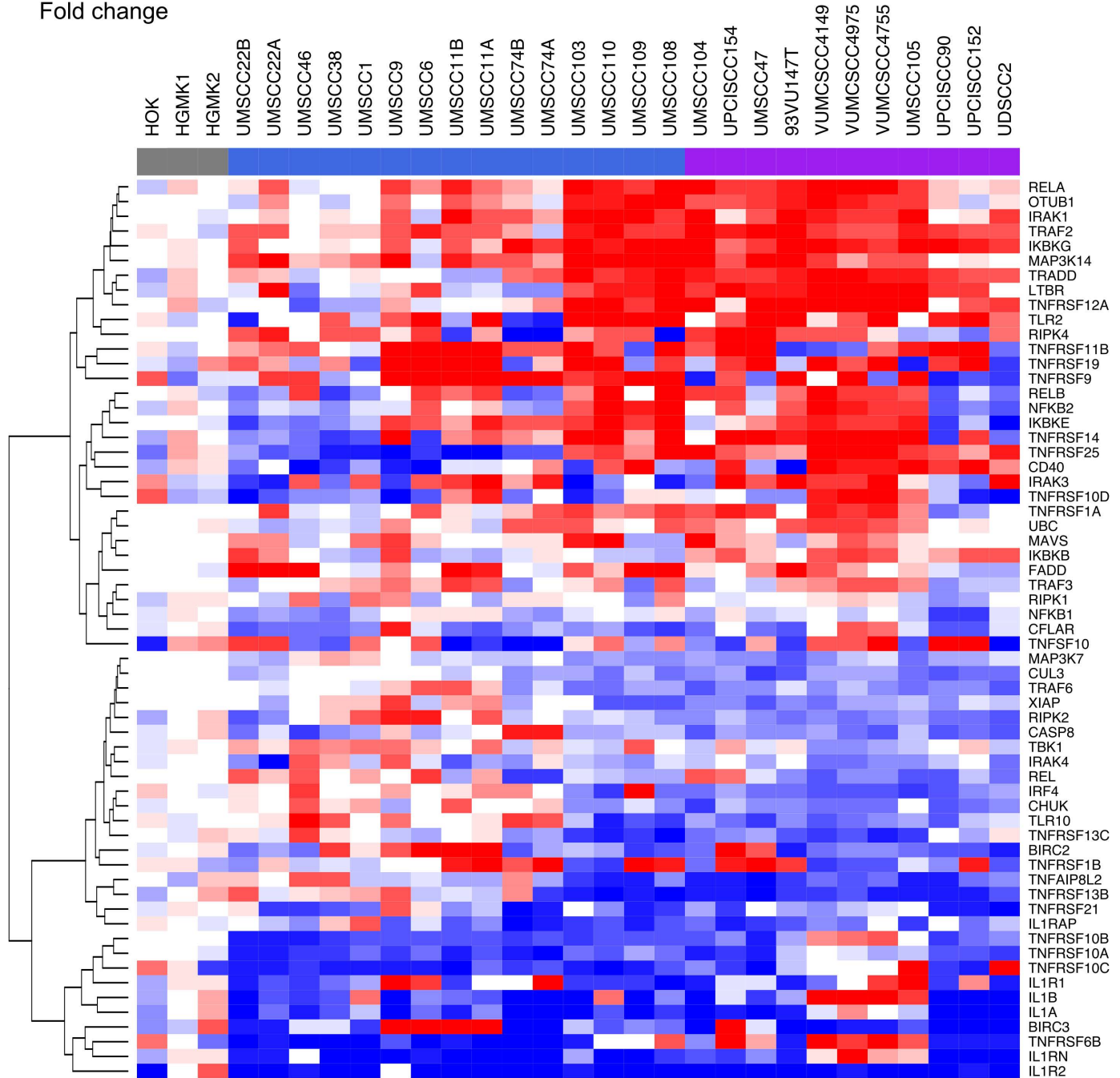




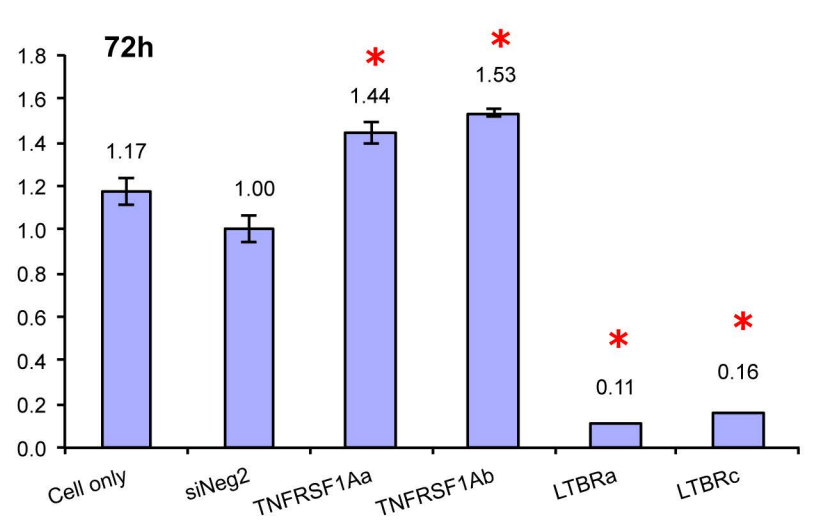
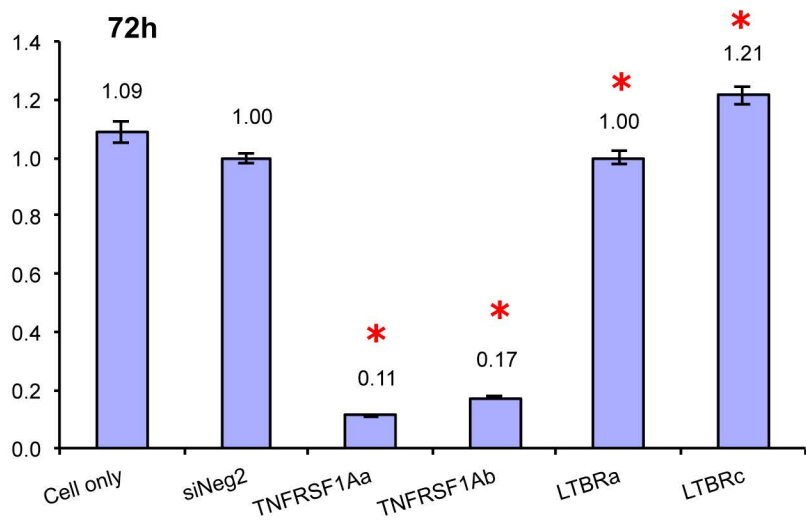
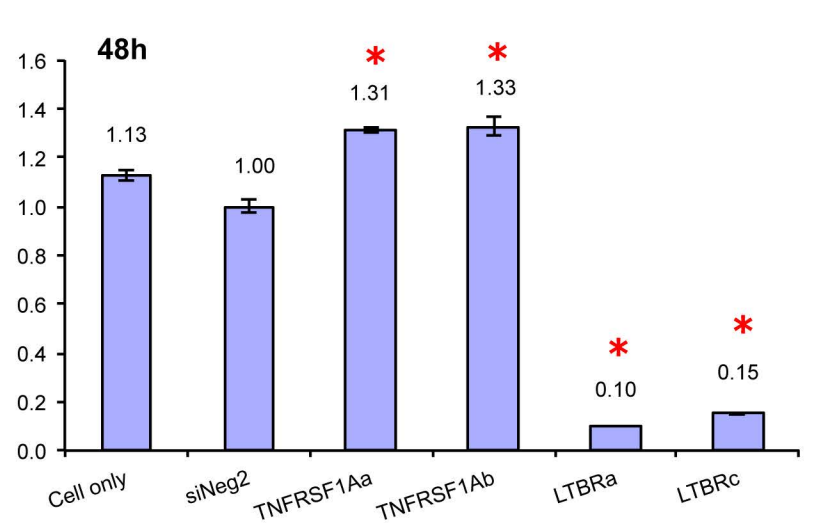
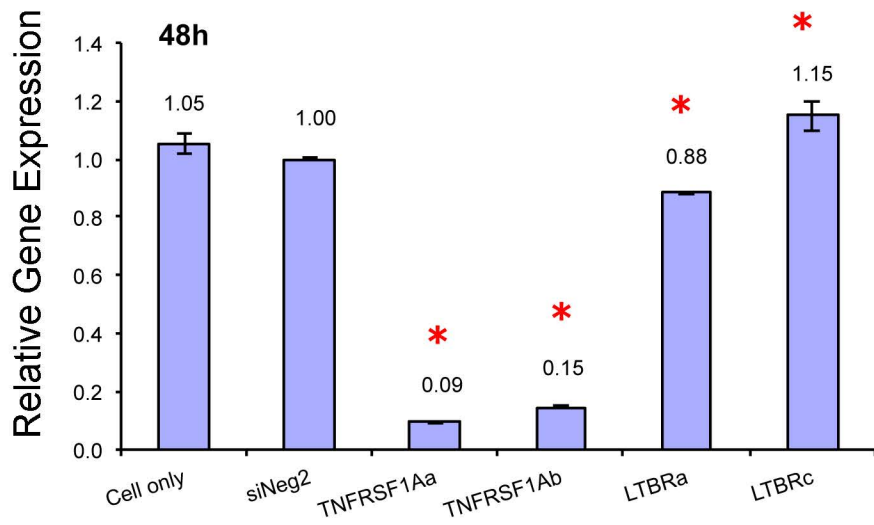
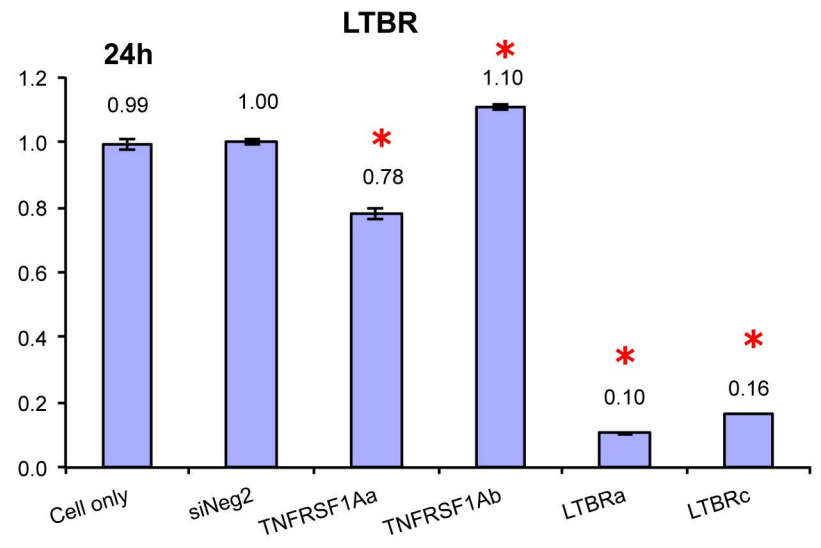
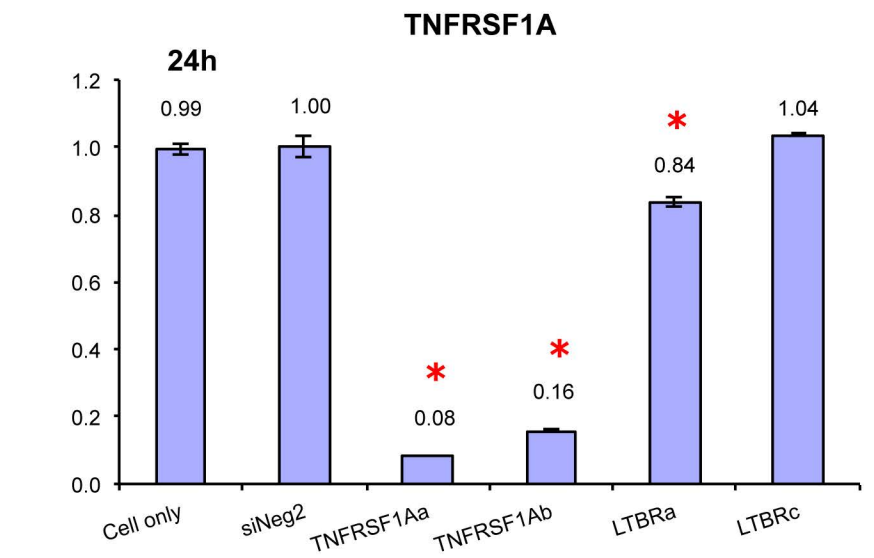
■ Keratinocyte lines

■ HPV(-) cell lines

■ HPV(+) cell lines

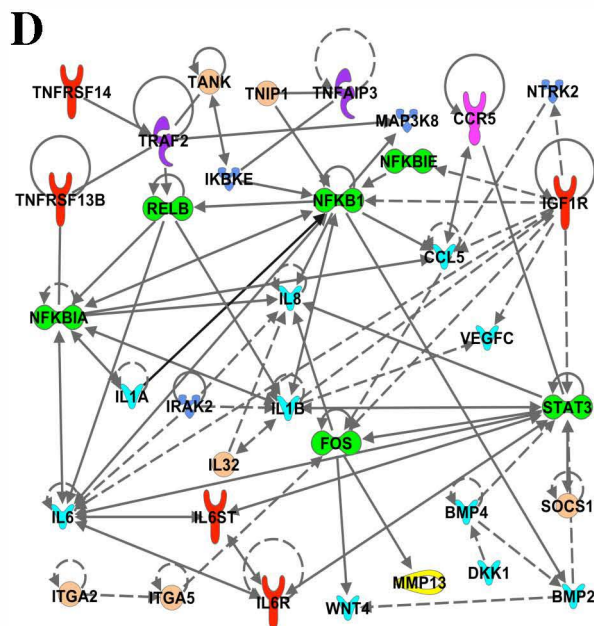
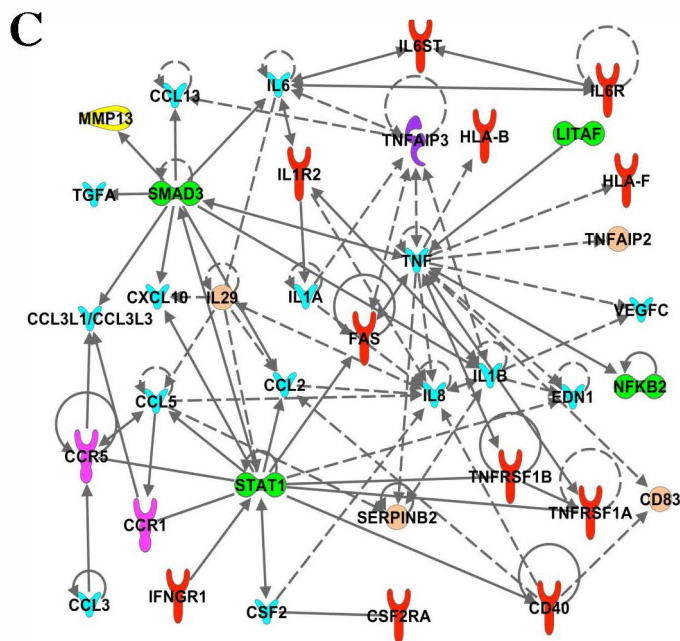
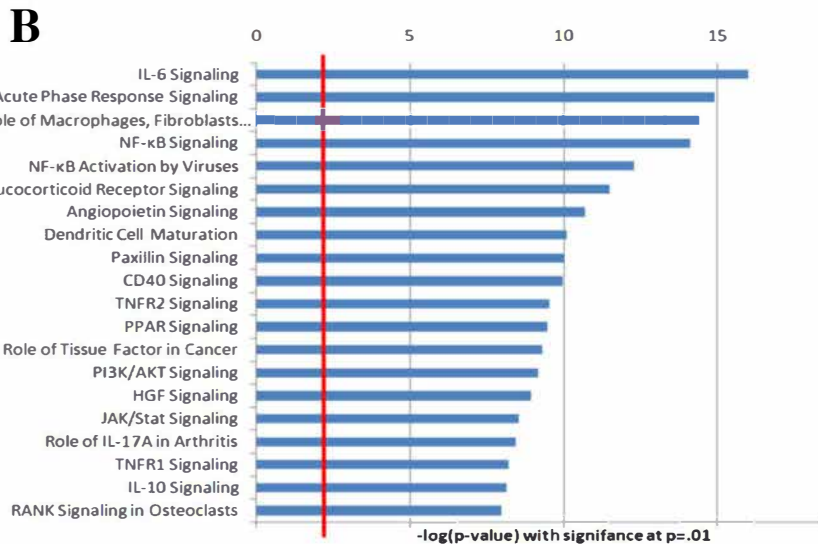
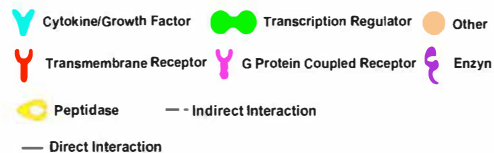
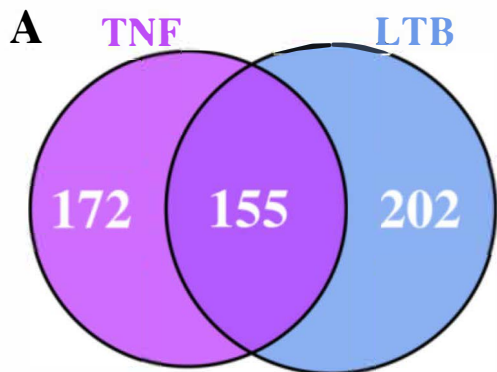


Suppl Fig 3

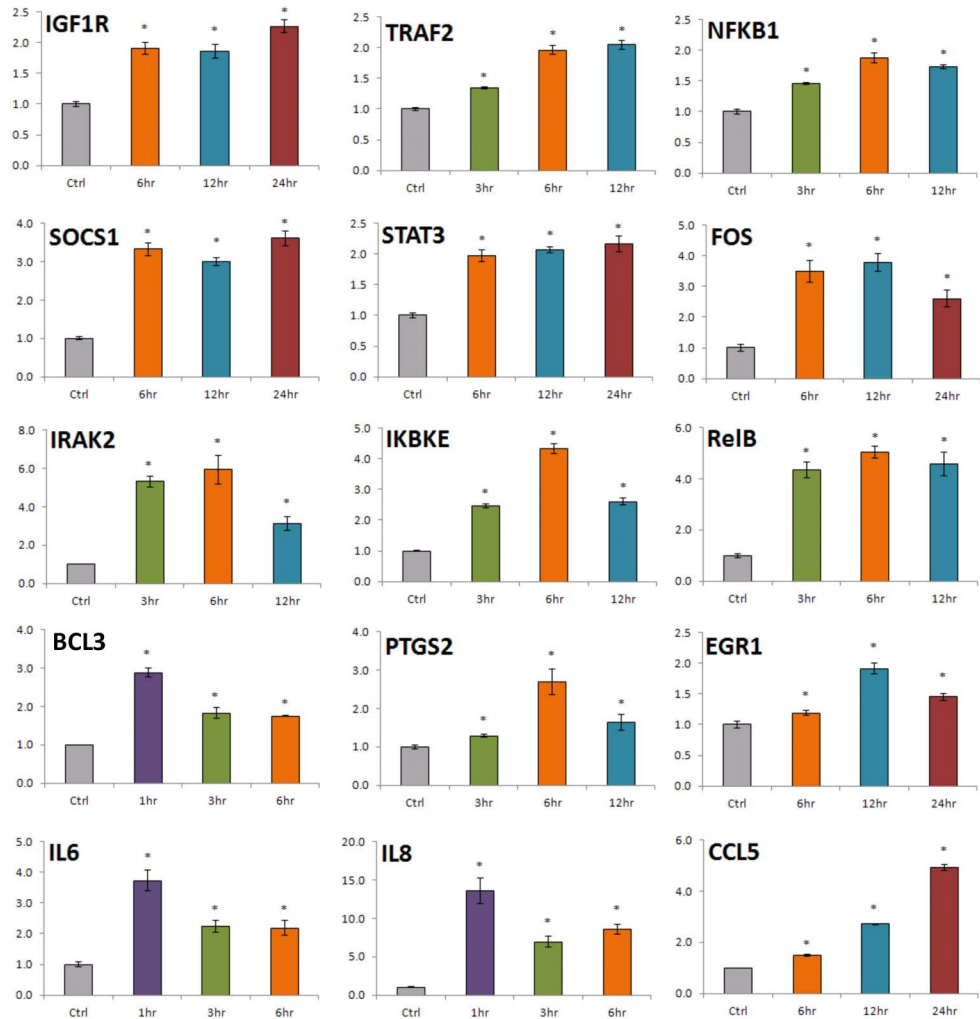


siRNA

Suppl Fig 4



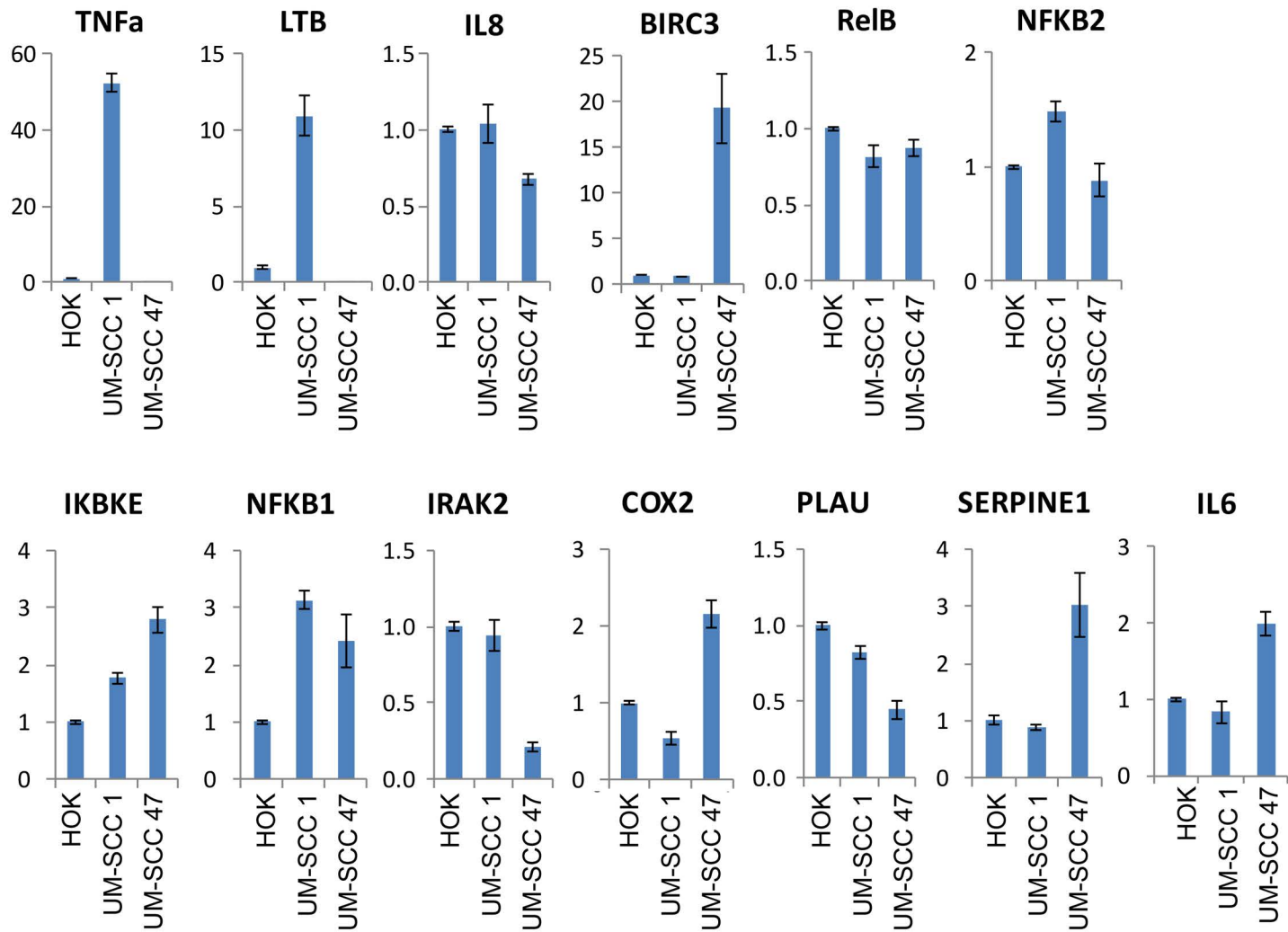
Relative Gene Expression

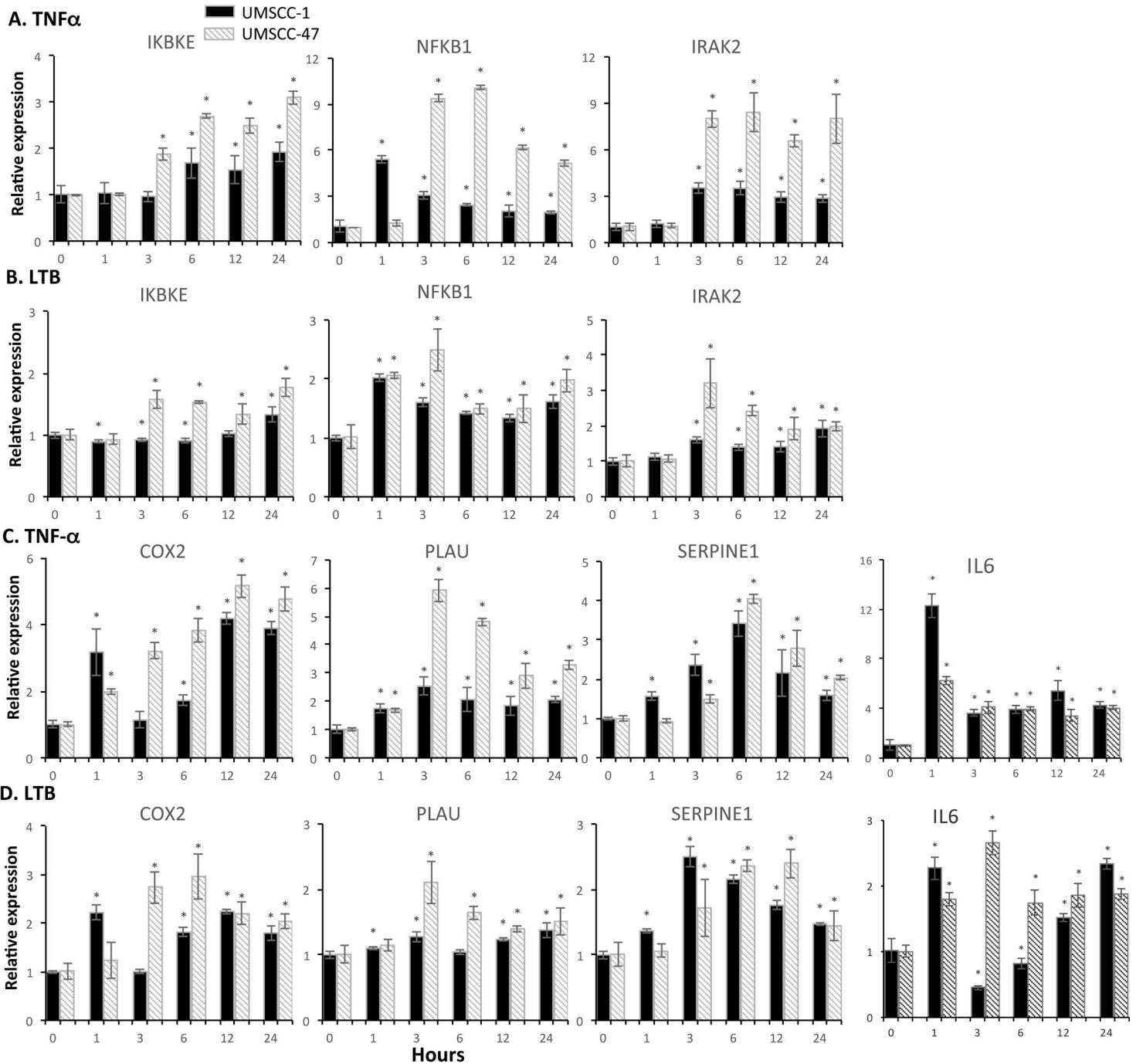


Hours

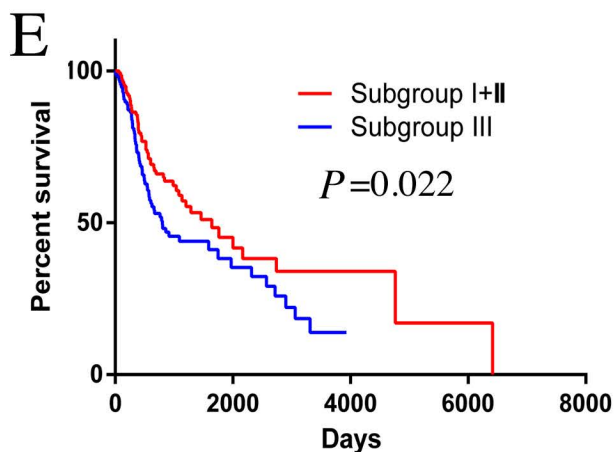
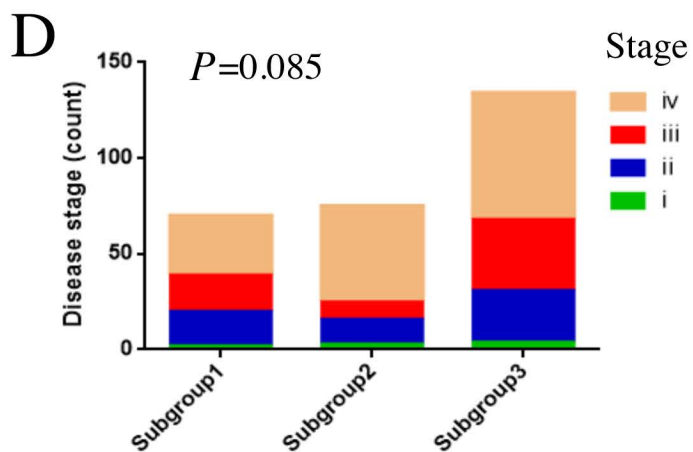
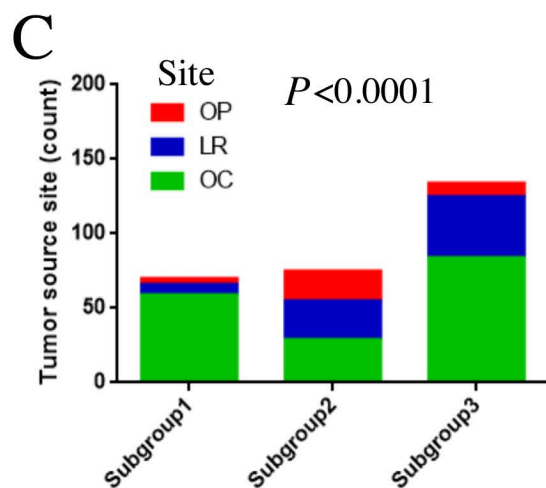
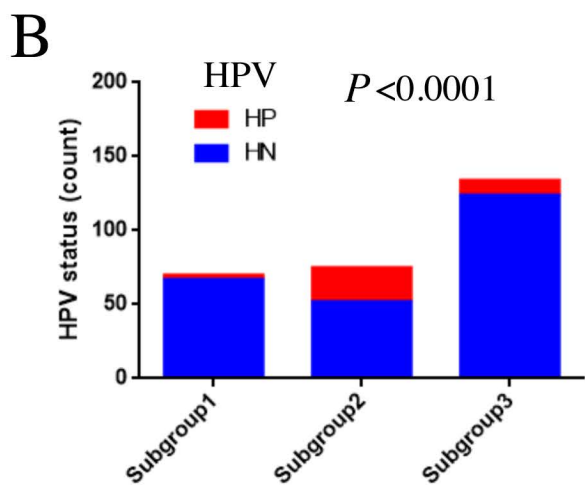
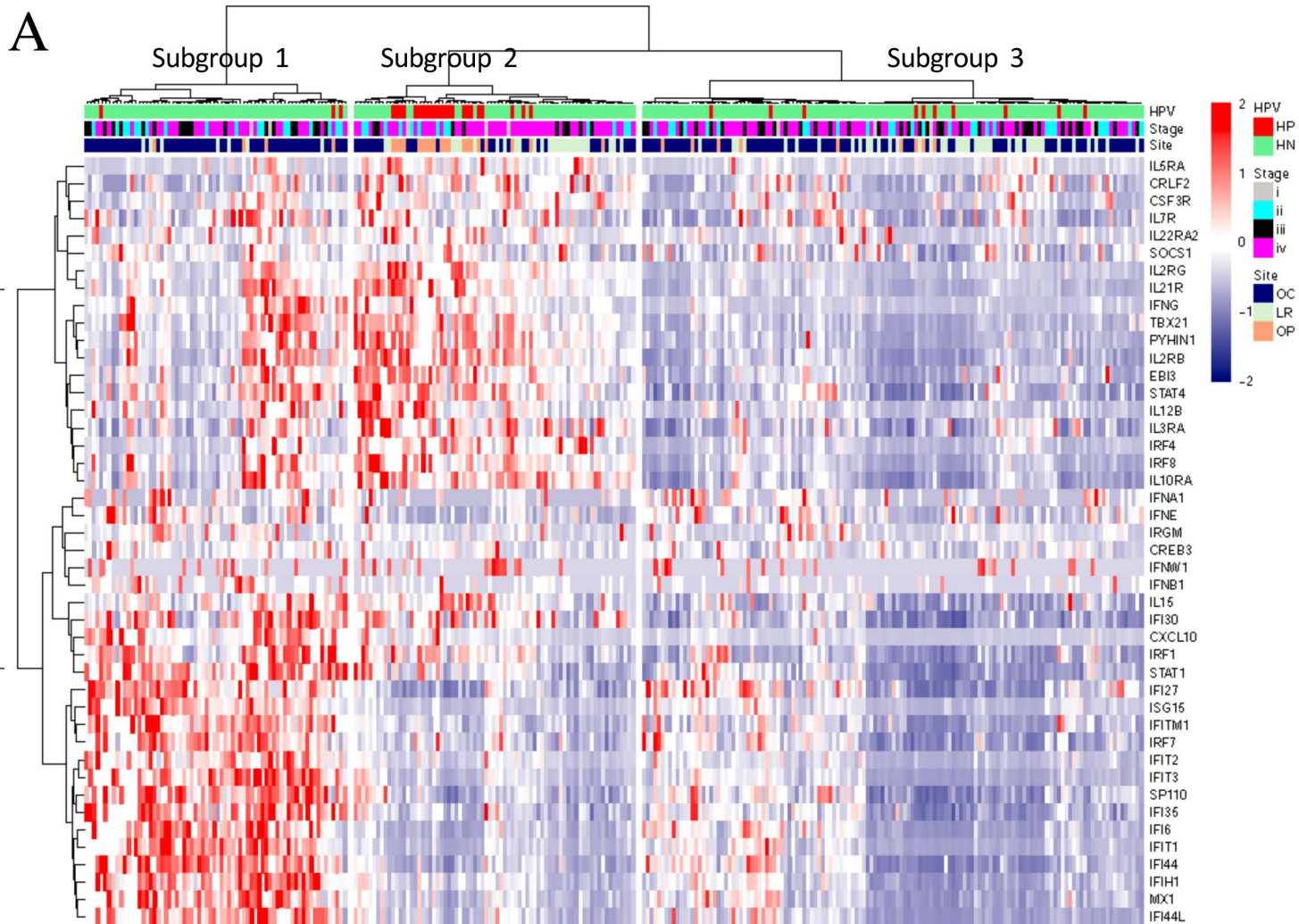
Suppl Fig 6

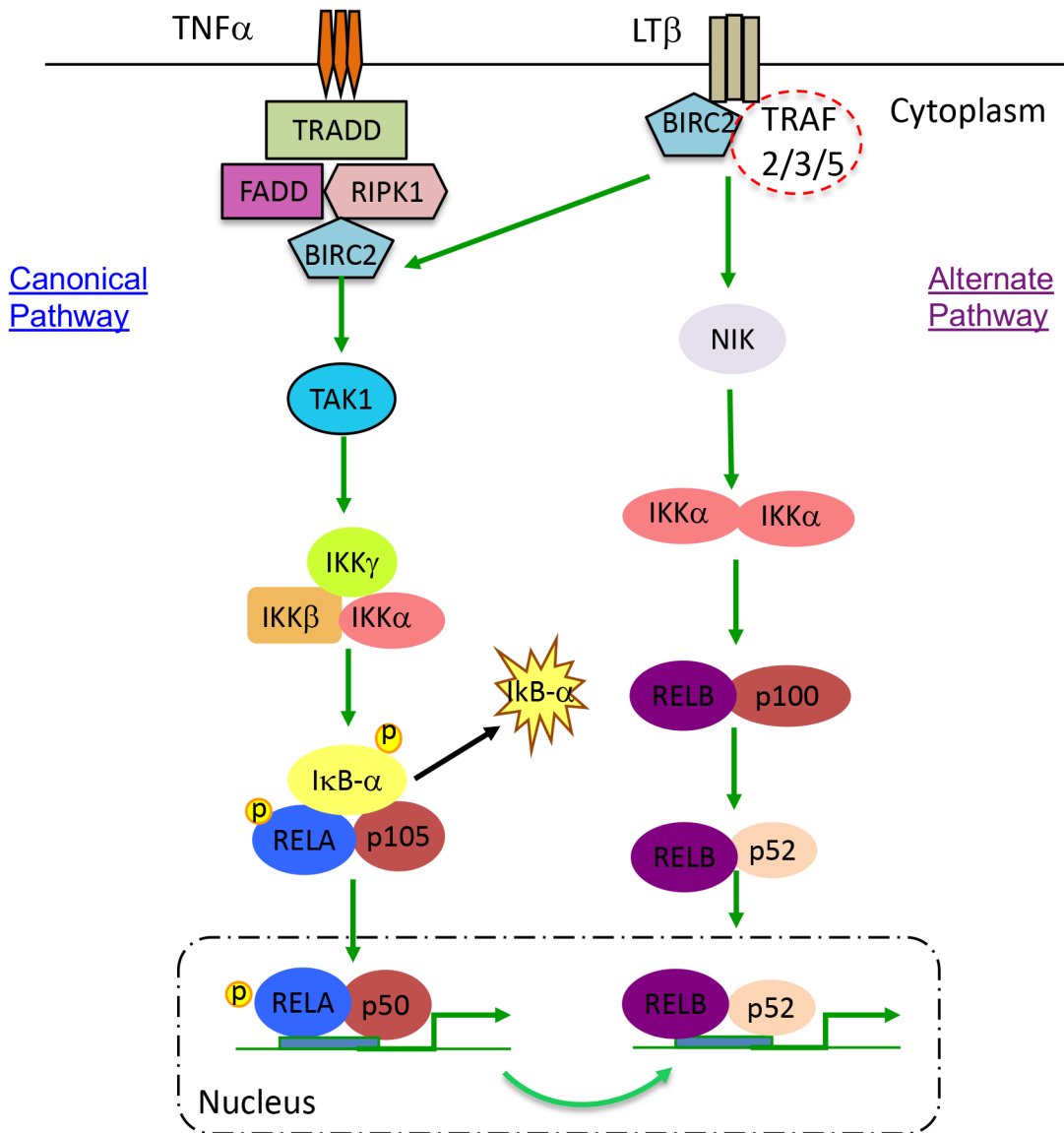
Relative gene expression





Suppl Fig 8





Suppl Figure 10