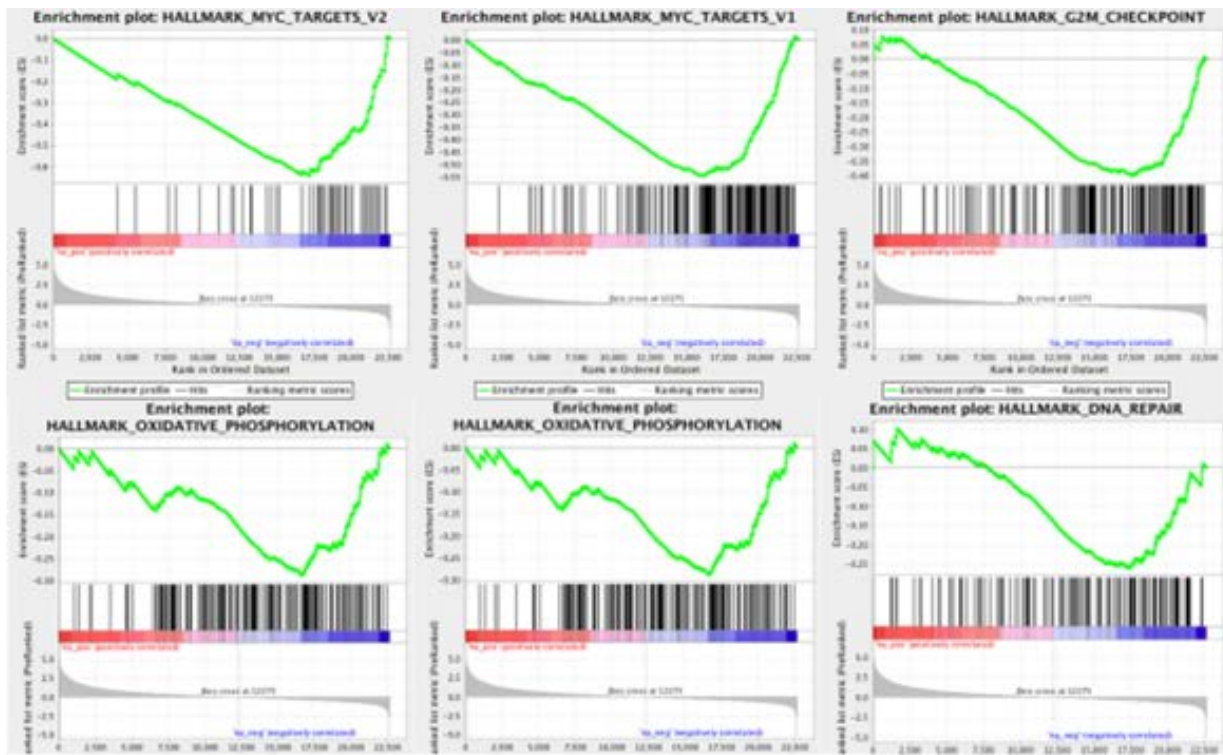
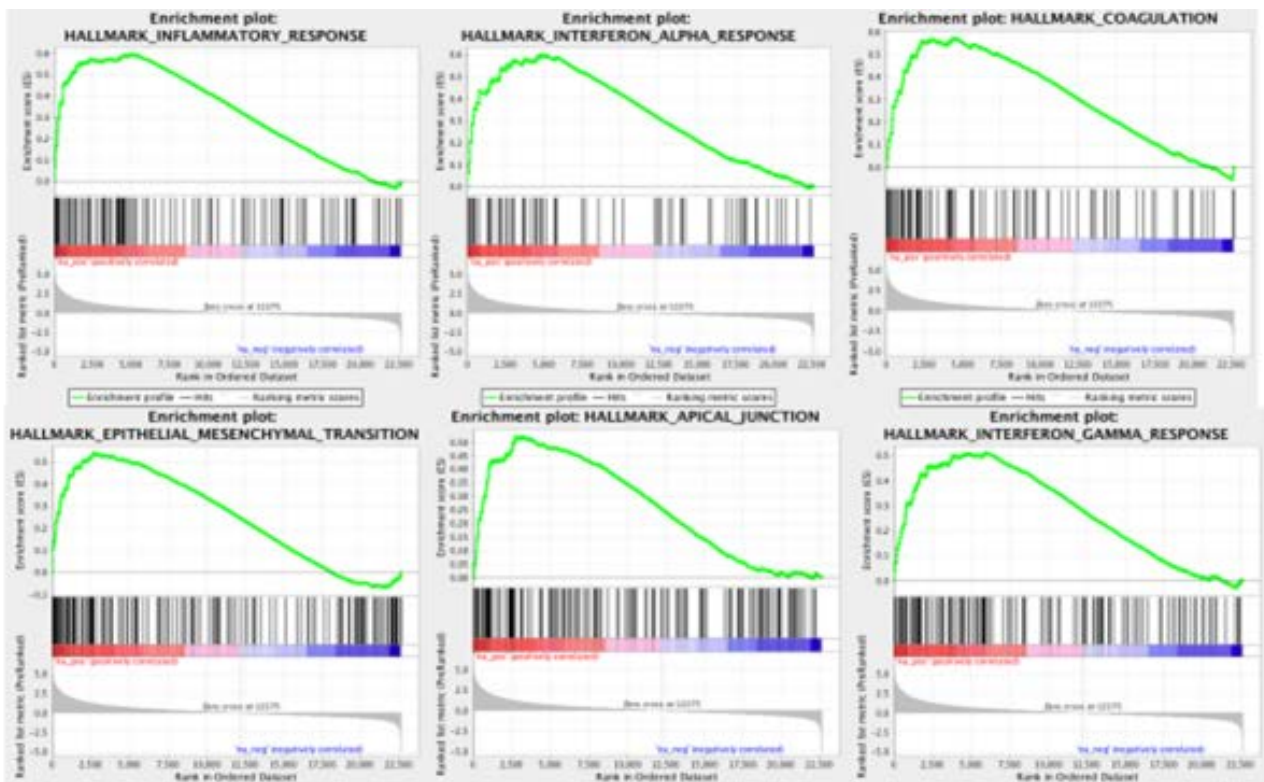


Supplemental Figure 4

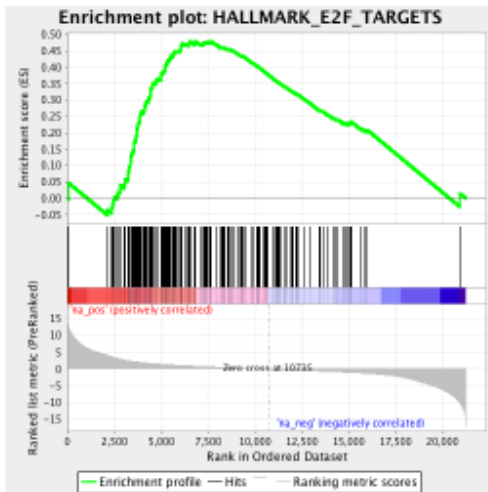
A



B



C



NES 1.80
P value 0.0
FDR q value 0.0003

GSEA with Hallmark gene sets performed on transcriptional changes in HT1197 cells treated with panobinostat for 48 hours. A. Top 6 downregulated GSEA signatures B. Top 6 upregulated GSEA signatures C. GSEA HT1197 vs UMUC3 (comparison of transcriptome of untreated samples reveals significantly greater presence of the E2F target gene signature in HT1197 cells).