

Hallmark pathways NES from GSEA HALLMARK\_XENOBIOTIC\_METABOLISM HALLMARK\_OXIDATIVE\_PHOSPHORYLATION HALLMARK\_MYC\_TARGETS\_V2 HALLMARK\_HYPOXIA HALLMARK\_PEROXISOME HALLMARK\_DNA\_REPAIR HALLMARK\_E2F\_TARGETS HALLMARK\_TGF\_BETA\_SIGNALING HALLMARK\_MYC\_TARGETS\_V1 HALLMARK\_PI3K\_AKT\_MTOR\_SIGNALING Pathway padj < 0.05HALLMARK\_P53\_PATHWAY **FALSE** HALLMARK\_UV\_RESPONSE\_UP HALLMARK\_MTORC1\_SIGNALING HALLMARK\_HEME\_METABOLISM HALLMARK\_CHOLESTEROL\_HOMEOSTASIS HALLMARK\_KRAS\_SIGNALING\_UP HALLMARK\_COMPLEMENT HALLMARK\_ALLOGRAFT\_REJECTION HALLMARK\_ESTROGEN\_RESPONSE\_LATE HALLMARK\_ESTROGEN\_RESPONSE\_EARLY HALLMARK\_UNFOLDED\_PROTEIN\_RESPONSE -1.0-0.51.5 Normalized Enrichment Score