## Heatmap GSVA, 30 Pathways with highest variance Cancer type Cancer type ACC KEGG CIRCADIAN RHYTHM MAMMAL **BLCA** KEGG SPLICEOSOME 0.5 **BRCA** KEGG LIMONENE AND PINENE DEGRADATION **CESC** KEGG STEROID BIOSYNTHESIS KEGG TERPENOID BACKBONE BIOSYNTHESIS 0 **CHOL** COAD KEGG GLYCOSYLPHOSPHATIDYLINOSITOL GPI ANCHOR BIOSYNTHESIS DLBC KEGG PROTEIN EXPORT -0.5**ESCA** Replication Telomerase GBM KEGG NON HOMOLOGOUS END JOINING **HNSC** HALLMARK MYC TARGETS V2 KICH KEGG CELL CYCLE **KIRC** HALLMARK MYC TARGETS V1 HALLMARK E2F TARGETS **KIRP** HALLMARK G2M CHECKPOINT LAML KEGG BASE EXCISION REPAIR LGG KEGG HOMOLOGOUS RECOMBINATION LIHC KEGG NUCLEOTIDE EXCISION REPAIR LUAD KEGG DNA REPLICATION LUSC KEGG MISMATCH REPAIR MESO KEGG PROTEASOME OV HINATA NFKB IMMU INF PAAD HALLMARK INTERFERON ALPHA RESPONSE **PCPG** HALLMARK\_INTERFERON\_GAMMA\_RESPONSE PRAD KEGG PRIMARY IMMUNODEFICIENCY **READ** Immune DN SARC KEGG\_LEISHMANIA\_INFECTION **SKCM** HALLMARK ALLOGRAFT REJECTION STAD KEGG INTESTINAL IMMUNE NETWORK FOR IGA PRODUCTION **TGCT** KEGG ASTHMA **THCA** KEGG ALLOGRAFT REJECTION THYM KEGG GRAFT VERSUS HOST DISEASE **UCEC** KEGG ANTIGEN PROCESSING AND PRESENTATION UCS KEGG\_AUTOIMMUNE\_THYROID\_DISEASE UVM KEGG TYPE I DIABETES MELLITUS HINATA NFKB MATRIX SINGH\_KRAS\_DEPENDENCY\_SIGNATURE KEGG RIBOSOME KEGG\_PORPHYRIN\_AND\_CHLOROPHYLL\_METABOLISM

KEGG\_ASCORBATE\_AND\_ALDARATE\_METABOLISM

KEGG PENTOSE AND GLUCURONATE INTERCONVERSIONS