**RCC4 Pathways by Aggregated Identity and Cellassign** orig.ident orig.ident cellassign RCC4T2 TNFA\_SIGNALING\_VIA\_NFKB **HYPOXIA** 1 cellassign CHOLESTEROL HOMEOSTASIS MITOTIC\_SPINDLE 0 WNT\_BETA\_CATENIN\_SIGNALING TGF\_BETA\_SIGNALING -1 IL6\_JAK\_STAT3\_SIGNALING DNA\_REPAIR -2 **G2M CHECKPOINT APOPTOSIS** NOTCH\_SIGNALING **ADIPOGENESIS** ESTROGEN\_RESPONSE\_EARLY ESTROGEN\_RESPONSE\_LATE ANDROGEN\_RESPONSE **MYOGENESIS** PROTEIN\_SECRETION INTERFERON\_ALPHA\_RESPONSE INTERFERON\_GAMMA\_RESPONSE APICAL\_JUNCTION APICAL\_SURFACE HEDGEHOG\_SIGNALING **COMPLEMENT** UNFOLDED\_PROTEIN\_RESPONSE PI3K\_AKT\_MTOR\_SIGNALING MTORC1 SIGNALING E2F\_TARGETS MYC\_TARGETS\_V1 MYC\_TARGETS\_V2 EPITHELIAL\_MESENCHYMAL\_TRANSITION INFLAMMATORY\_RESPONSE XENOBIOTIC\_METABOLISM FATTY\_ACID\_METABOLISM OXIDATIVE\_PHOSPHORYLATION **GLYCOLYSIS** REACTIVE\_OXYGEN\_SPECIES\_PATHWAY P53 PATHWAY UV\_RESPONSE\_UP UV\_RESPONSE\_DN **ANGIOGENESIS** HEME\_METABOLISM **COAGULATION** IL2\_STAT5\_SIGNALING BILE\_ACID\_METABOLISM **PEROXISOME** ALLOGRAFT\_REJECTION **SPERMATOGENESIS** KRAS\_SIGNALING\_UP KRAS\_SIGNALING\_DN PANCREAS\_BETA\_CELLS

RCC4N

Bcell

DT-2

Endo-2

Endo-4

IC-A

IC-PC

Macro-1

Macro-2

vSMC-1

vSMC-2

NK

tAL

PT-1

DL