

HCG dominance % TGF Beta Receptor AndrogenReceptor ATF 2 Transcription Factor Network E2F Transcription Factor Network FOXM1 Transcription Factor Network Validated Transcriptional Targets Of Del Meiotic Recombination Meiotic Synapsis HDR Through Single Strand Annealing (SSA Presynaptic Phase Of Homologous DNA Pair Resolution Of D Loop Structures Through HDR Through Homologous Recombination (HR Homologous DNA Pairing And Strand Exchan FOXA1 Transcription Factor Network ATR Signaling Pathway Gap Filling DNA Repair Synthesis And Lig P73 Transcription Factor Network Coregulation Of Androgen Receptor Activi Nonhomologous End Joining (NHEJ) ATM Pathway P53 Dependent G1 DNA Damage Response Recognition Of DNA Damage By PCNA Contai Validated Nuclear Estrogen Receptor Alph Integrated Breast Cancer Pathway Integrated Cancer Pathway G2/M DNA Damage Checkpoint// Processing TP53 Regulates Transcription Of DNA Repa Recruitment And ATM Mediated Phosphoryla

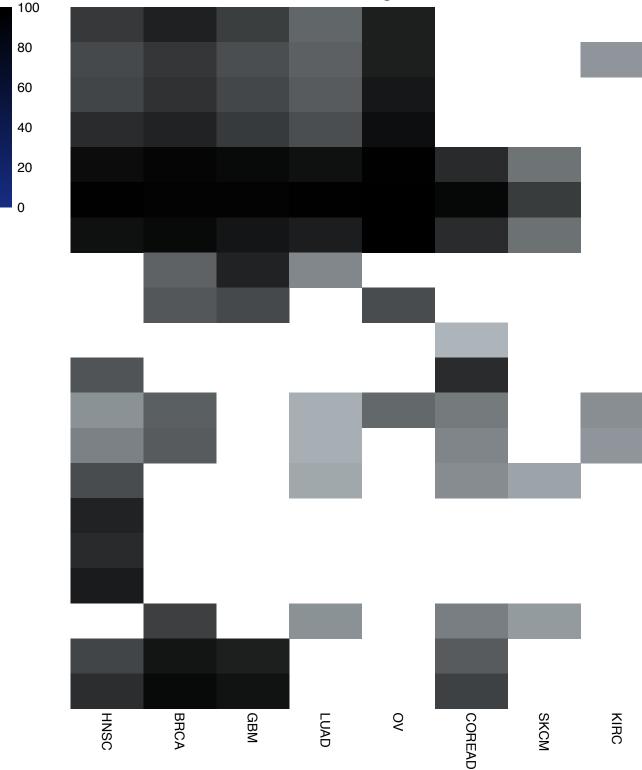
Regulation Of TP53 Activity Through Phos

DNA Damage/Telomere Stress Induced Senes

MiRNAs Involved In DNA Damage Response

Aurora A Signaling

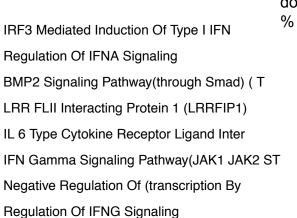
BARD1 Signaling Events



Resisting Cell Death



HCG dominance % 📕 80

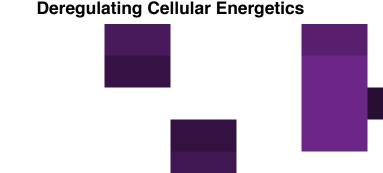


Downregulation Of SMAD2/3:SMAD4 Transcri

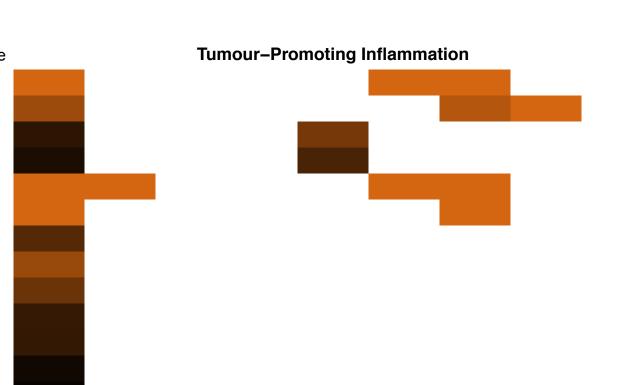
TGF Beta Receptor Signaling Activates SM

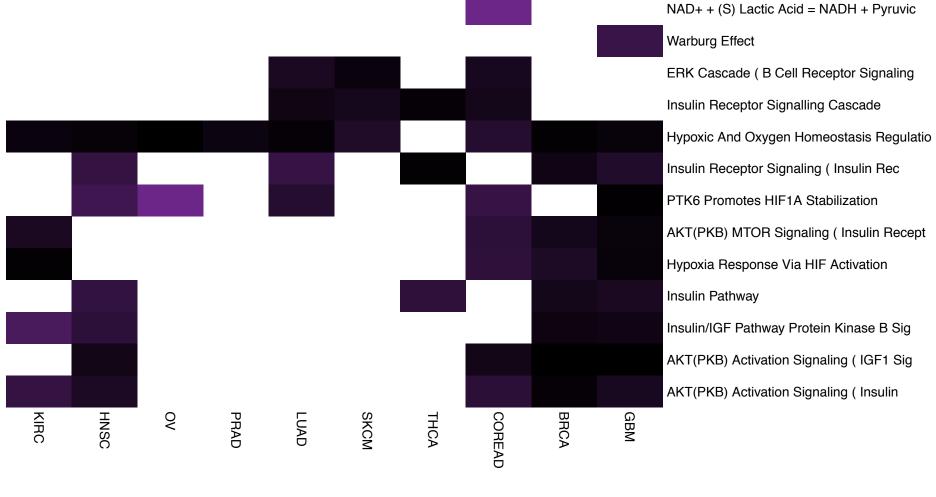
Regulation Of Cytoplasmic And Nuclear SM SMAD2/3 MH2 Domain Mutants In Cancer// S

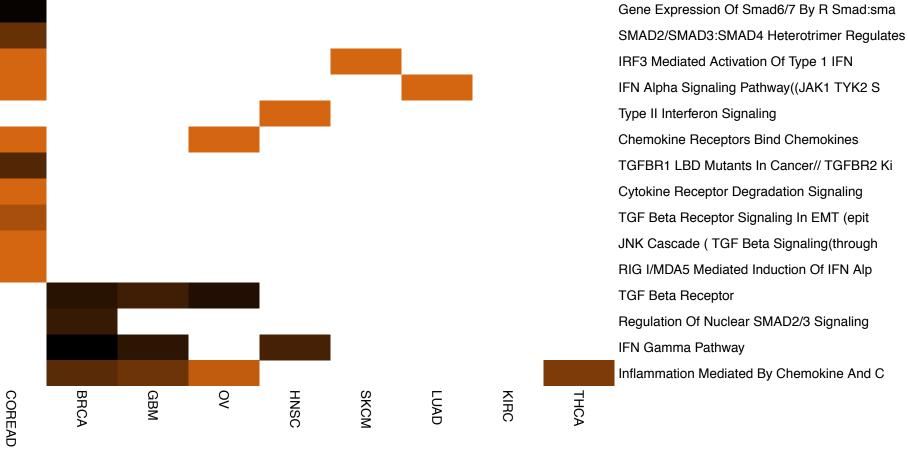
60 40 20



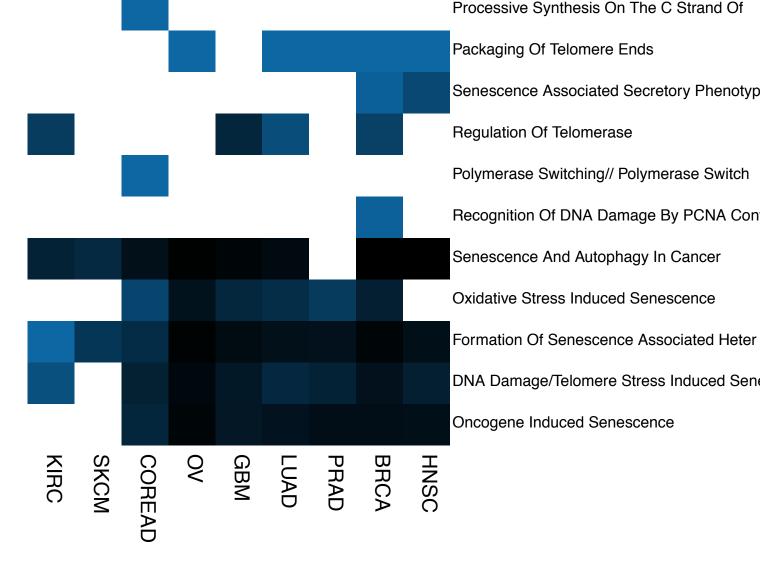
HCG dominance HIF 2 Alpha Transcription Factor Network 80 Energy Dependent Regulation Of MTOR By L 60 Leucine Stimulation On Insulin Signaling Fatty Acids Bound To GPR40 (FFAR1) Regul 40 Acetylcholine Regulates Insulin Secretio 20 Mitochondrial Beta Oxidation Of Medium C 0 Insulin Signalling Insulin Mediated Glucose Transport **Regulation Of Insulin Secretion**



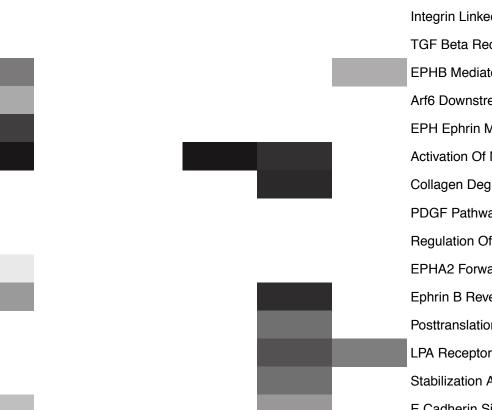


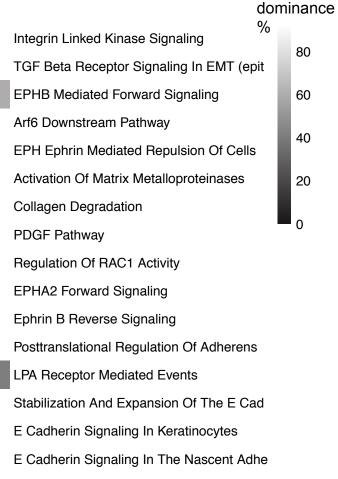


HCG dominance **Enabling Replicative Immortality** 80 Processive Synthesis On The C Strand Of 60 Packaging Of Telomere Ends 40 Senescence Associated Secretory Phenotyp 20 Regulation Of Telomerase Polymerase Switching// Polymerase Switch Recognition Of DNA Damage By PCNA Contai Senescence And Autophagy In Cancer Oxidative Stress Induced Senescence Formation Of Senescence Associated Heter DNA Damage/Telomere Stress Induced Senes Oncogene Induced Senescence SKCM 20 PRAD BRCA HNSC GBM LUAD



Avoiding Immune Destruction





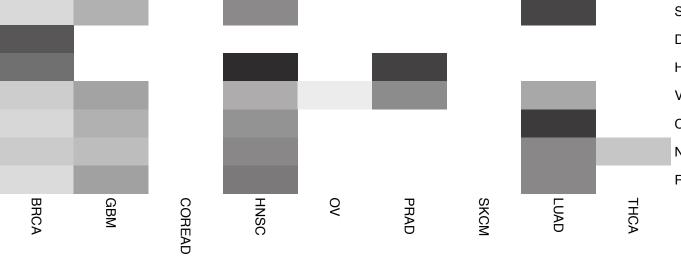
HCG





40

20



Activating Invasion and Metastasis

Signaling Events Mediated By Hepatocyte Degradation Of The Extracellular Matrix HDACs Deacetylate Histones Validated Targets Of C MYC Transcription CDC42 Signaling Events Neurotrophic Factor Mediated Trk Recepto Ras Pathway

TGF Beta Receptor

G Alpha (12/13) Signalling Events

