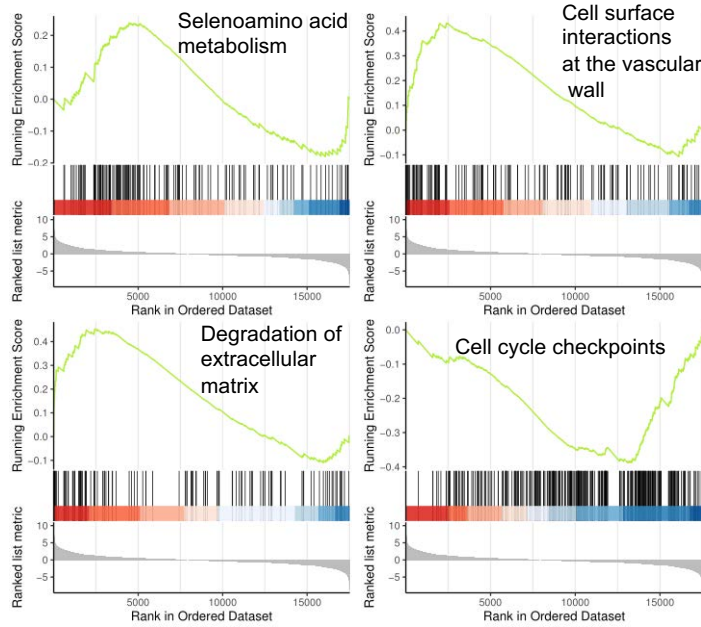
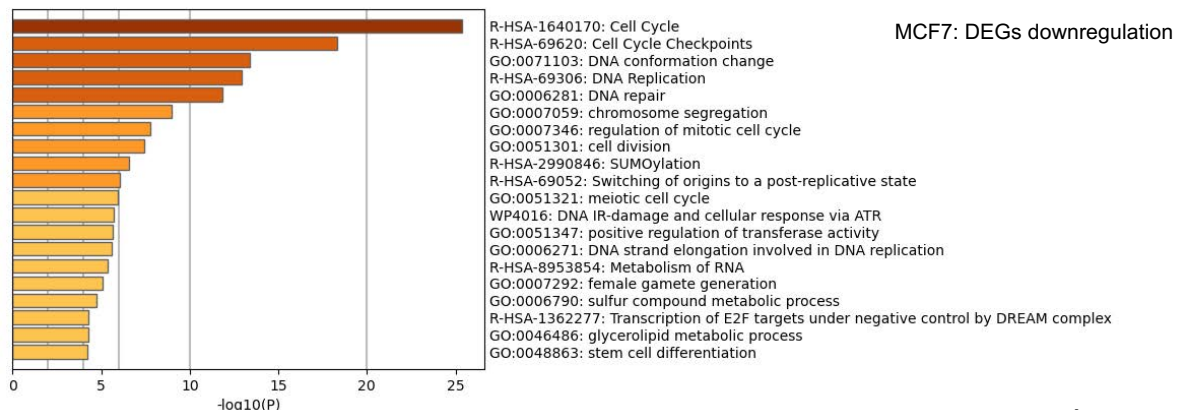
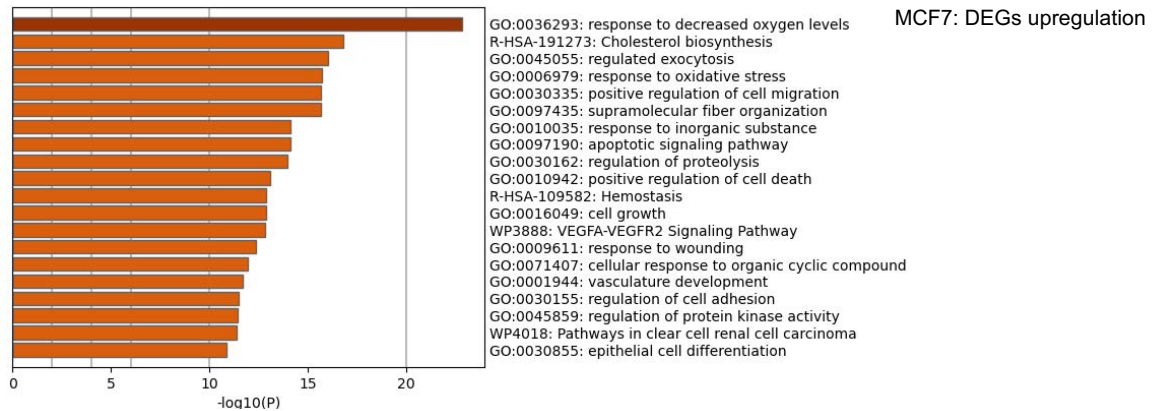
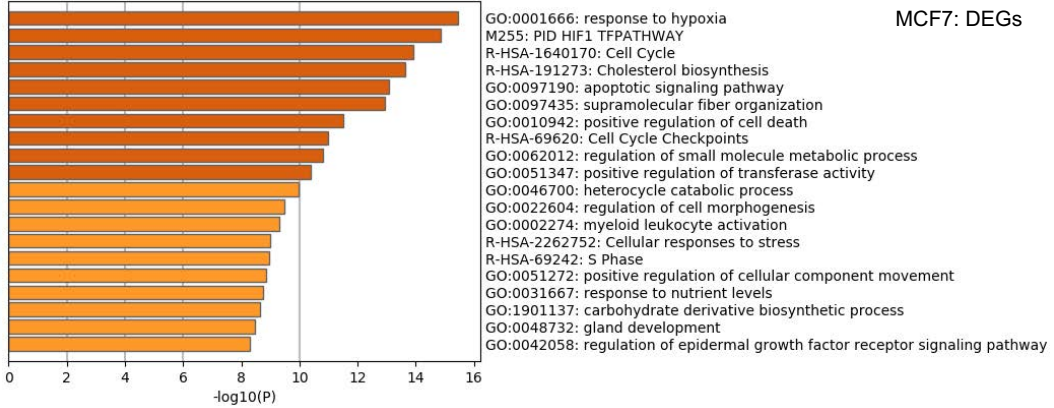


MCF-7: GSEA all DEGs

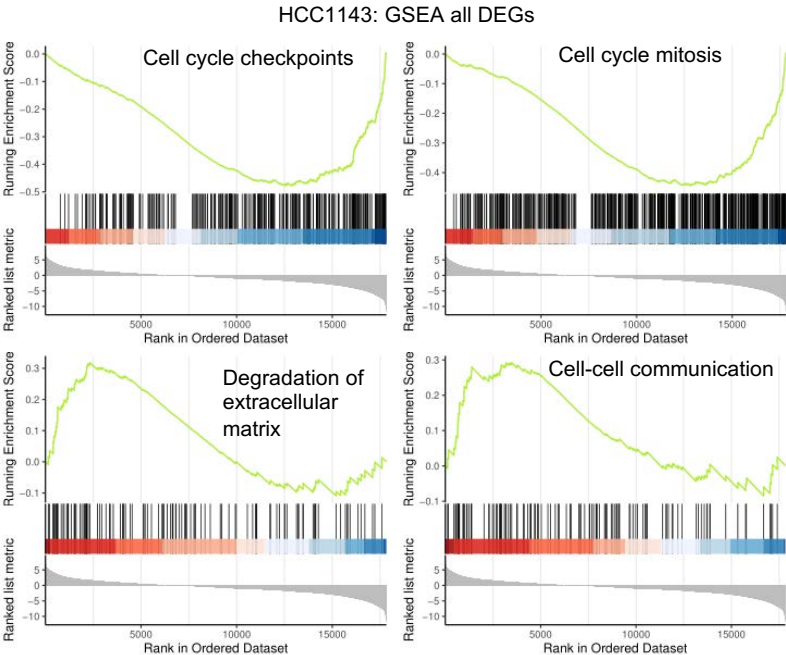
A



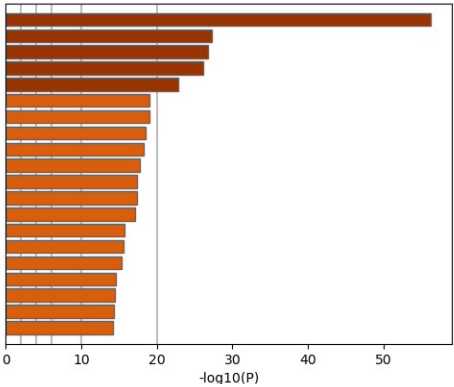
B



A

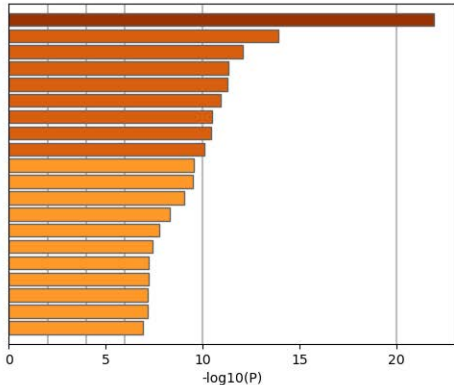


B



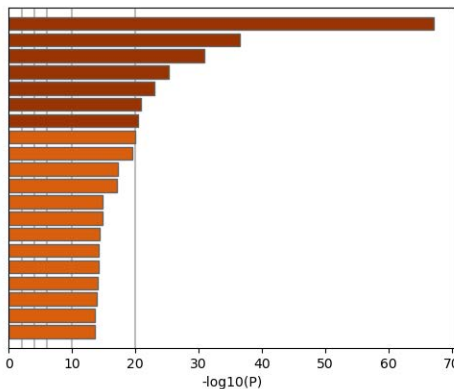
R-HSA-1640170: Cell Cycle
GO:0044772: mitotic cell cycle phase transition
R-HSA-69620: Cell Cycle Checkpoints
R-HSA-8953854: Metabolism of RNA
GO:0071103: DNA conformation change
GO:0043043: peptide biosynthetic process
R-HSA-3700989: Transcriptional Regulation by TP53
GO:0022613: ribonucleoprotein complex biogenesis
GO:0010638: positive regulation of organelle organization
R-HSA-195258: RHO GTPase Effectors
hsa05203: Viral carcinogenesis
GO:0080135: regulation of cellular response to stress
R-HSA-69242: S Phase
GO:0006260: DNA replication
GO:0007005: mitochondrion organization
GO:0034660: ncRNA metabolic process
GO:0033044: regulation of chromosome organization
R-HSA-1280215: Cytokine Signaling in Immune system
GO:0032200: telomere organization
R-HSA-72766: Translation

HCC1143: DEGs



GO:0030036: actin cytoskeleton organization
GO:0009611: response to wounding
GO:0030198: extracellular matrix organization
GO:0007169: transmembrane receptor protein tyrosine kinase signaling pathway
GO:0030335: positive regulation of cell migration
hsa04810: Regulation of actin cytoskeleton
GO:0048589: developmental growth
hsa04510: Focal adhesion
GO:0045936: negative regulation of phosphate metabolic process
GO:0031589: cell-substrate adhesion
GO:0070848: response to growth factor
WP3888: VEGFA-VEGFR2 Signaling Pathway
GO:0008544: epidermis development
GO:0030155: regulation of cell adhesion
GO:0052547: regulation of peptidase activity
GO:0048015: phosphatidylinositol-mediated signaling
GO:0043068: positive regulation of programmed cell death
GO:0010001: glial cell differentiation
GO:0061572: actin filament bundle organization
GO:0048729: tissue morphogenesis

HCC1143: DEGs upregulation



R-HSA-1640170: Cell Cycle
R-HSA-69620: Cell Cycle Checkpoints
R-HSA-8953854: Metabolism of RNA
GO:0044772: mitotic cell cycle phase transition
GO:0022613: ribonucleoprotein complex biogenesis
R-HSA-69242: S Phase
GO:0006260: DNA replication
R-HSA-68882: Mitotic Anaphase
GO:0034660: ncRNA metabolic process
GO:0043043: peptide biosynthetic process
R-HSA-3700989: Transcriptional Regulation by TP53
WP2446: Retinoblastoma Gene in Cancer
GO:0032200: telomere organization
hsa05203: Viral carcinogenesis
R-HSA-1280215: Cytokine Signaling in Immune system
GO:0051301: cell division
GO:0000209: protein polyubiquitination
GO:0007005: mitochondrion organization
ko03013: RNA transport
R-HSA-69275: G2/M Transition

HCC1143: DEGs downregulation

