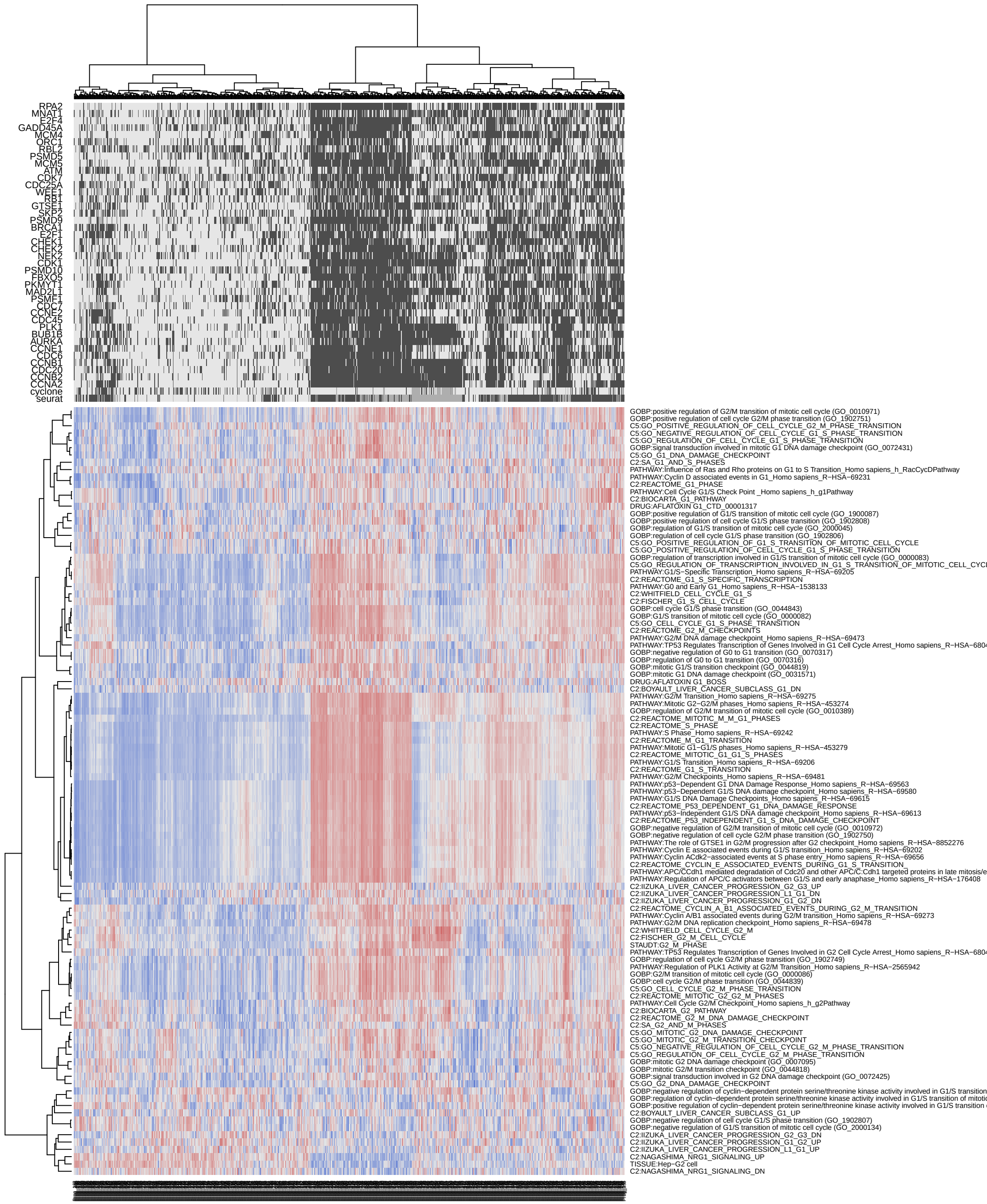
RPA2
MNAT1
E2F4
GADD45A
MCM4
ORC1
RBL2
PSMD5
MCM5
ATM
CDK7
CDC25A
WEE1
RB1
GTSE1
SKP2
PSMD9
BRCA1
E2F1
CHEK1
CHEK2
NEK2
CDK1
PSMD10
FBXO5
PKMYT1
MAD2L1
PSMF1
CDC7
CCNE2
CDC45
PLK1
BUB1B
AURKA
CCNE1
CDC6
CCNB1
CDC20
CCNB2
CCNA2
cyclone
seurat
GOBP:positive regulation of G2/M transition of mitotic cell cycle (GO_0010971)
GOBP:positive regulation of cell cycle G2/M phase transition (GO_1902751)
C5:GO_POSITIVE_REGULATION_OF_CELL_CYCLE_G2_M_PHASE_TRANSITION
C5:GO_NEGATIVE_REGULATION_OF_CELL_CYCLE_G1_S_PHASE_TRANSITION
C5:GO_REGULATION_OF_CELL_CYCLE_G1_S_PHASE_TRANSITION
GOBP:signal transduction involved in mitotic G1 DNA damage checkpoint (GO_0072431)
C5:GO_G1_DNA_DAMAGE_CHECKPOINT
C2:SA_G1_AND_S_PHASES
PATHWAY:Influence of Ras and Rho proteins on G1 to S Transition_Homo sapiens_h_RacCycDPathway
PATHWAY:Cyclin D associated events in G1_Homo sapiens_R−HSA−69231
C2:REACTOME_G1_PHASE
PATHWAY:Cell Cycle G1/S Check Point _Homo sapiens_h_g1Pathway
C2:BIOCARTA_G1_PATHWAY
DRUG:AFLATOXIN G1_CTD_00001317
GOBP:positive regulation of G1/S transition of mitotic cell cycle (GO_1900087)
GOBP:positive regulation of cell cycle G1/S phase transition (GO_1902808)
GOBP:regulation of G1/S transition of mitotic cell cycle (GO_2000045)
GOBP:regulation of cell cycle G1/S phase transition (GO_1902806)
C5:GO_POSITIVE_REGULATION_OF_G1_S_TRANSITION_OF_MITOTIC_CELL_CYCLE
C5:GO_POSITIVE_REGULATION_OF_CELL_CYCLE_G1_S_PHASE_TRANSITION
GOBP:regulation of transcription involved in G1/S transition of mitotic cell cycle (GO_0000083)
C5:GO_REGULATION_OF_TRANSCRIPTION_INVOLVED_IN_G1_S_TRANSITION_OF_MITOTIC_CELL_CYCL
PATHWAY:G1/S−Specific Transcription_Homo sapiens_R−HSA−69205
C2:REACTOME_G1_S_SPECIFIC_TRANSCRIPTION
PATHWAY:G0 and Early G1_Homo sapiens_R−HSA−1538133
C2:WHITFIELD_CELL_CYCLE_G1_S
C2:FISCHER_G1_S_CELL_CYCLE
GOBP:cell cycle G1/S phase transition (GO_0044843)
GOBP:G1/S transition of mitotic cell cycle (GO_0000082)
C5:GO_CELL_CYCLE_G1_S_PHASE_TRANSITION
C2:REACTOME_G2_M_CHECKPOINTS
PATHWAY:G2/M DNA damage checkpoint_Homo sapiens_R−HSA−69473
PATHWAY:TP53 Regulates Transcription of Genes Involved in G1 Cell Cycle Arrest_Homo sapiens_R−HSA−680
GOBP:negative regulation of G0 to G1 transition (GO_0070317)
GOBP:regulation of G0 to G1 transition (GO_0070316)
GOBP:mitotic G1/S transition checkpoint (GO_0044819)
GOBP:mitotic G1 DNA damage checkpoint (GO_0031571)
DRUG:AFLATOXIN G1_BOSS
C2:BOYAULT_LIVER_CANCER_SUBCLASS_G1_DN
PATHWAY:G2/M Transition_Homo sapiens_R−HSA−69275
PATHWAY:Mitotic G2−G2/M phases_Homo sapiens_R−HSA−453274
GOBP:regulation of G2/M transition of mitotic cell cycle (GO_0010389)
C2:REACTOME_MITOTIC_M_M_G1_PHASES
C2:REACTOME_S_PHASE
PATHWAY:S Phase_Homo sapiens_R−HSA−69242
C2:REACTOME_M_G1_TRANSITION
PATHWAY:Mitotic G1−G1/S phases_Homo sapiens_R−HSA−453279
C2:REACTOME_MITOTIC_G1_G1_S_PHASES
PATHWAY:G1/S Transition_Homo sapiens_R−HSA−69206
C2:REACTOME_G1_S_TRANSITION
PATHWAY:G2/M Checkpoints_Homo sapiens_R−HSA−69481
PATHWAY:p53−Dependent G1 DNA Damage Response_Homo sapiens_R−HSA−69563
PATHWAY:p53−Dependent G1/S DNA damage checkpoint_Homo sapiens_R−HSA−69580
PATHWAY:G1/S DNA Damage Checkpoints_Homo sapiens_R−HSA−69615
C2:REACTOME_P53_DEPENDENT_G1_DNA_DAMAGE_RESPONSE
PATHWAY:p53−Independent G1/S DNA damage checkpoint_Homo sapiens_R−HSA−69613
C2:REACTOME_P53_INDEPENDENT_G1_S_DNA_DAMAGE_CHECKPOINT
GOBP:negative regulation of G2/M transition of mitotic cell cycle (GO_0010972)
GOBP:negative regulation of cell cycle G2/M phase transition (GO_1902750)
PATHWAY:The role of GTSE1 in G2/M progression after G2 checkpoint_Homo sapiens_R−HSA−8852276
PATHWAY:Cyclin E associated events during G1/S transition_Homo sapiens_R−HSA−69202
PATHWAY:Cyclin ACdk2−associated events at S phase entry_Homo sapiens_R−HSA−69656
C2:REACTOME_CYCLIN_E_ASSOCIATED_EVENTS_DURING_G1_S_TRANSITION_
PATHWAY:APC/CCdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/e
PATHWAY:Regulation of APC/C activators between G1/S and early anaphase_Homo sapiens_R−HSA−176408
C2:IIZUKA_LIVER_CANCER_PROGRESSION_G2_G3_UP
C2:IIZUKA_LIVER_CANCER_PROGRESSION_L1_G1_DN
C2:IIZUKA_LIVER_CANCER_PROGRESSION_G1_G2_DN
C2:REACTOME_CYCLIN_A_B1_ASSOCIATED_EVENTS_DURING_G2_M_TRANSITION
PATHWAY:Cyclin A/B1 associated events during G2/M transition_Homo sapiens_R−HSA−69273
PATHWAY:G2/M DNA replication checkpoint_Homo sapiens_R−HSA−69478
C2:WHITFIELD_CELL_CYCLE_G2_M
C2:FISCHER_G2_M_CELL_CYCLE
STAUDT:G2_M_PHASE
PATHWAY:TP53 Regulates Transcription of Genes Involved in G2 Cell Cycle Arrest_Homo sapiens_R−HSA−680
GOBP:regulation of cell cycle G2/M phase transition (GO_1902749)
PATHWAY:Regulation of PLK1 Activity at G2/M Transition_Homo sapiens_R−HSA−2565942
GOBP:G2/M transition of mitotic cell cycle (GO_0000086)
GOBP:cell cycle G2/M phase transition (GO_0044839)
C5:GO_CELL_CYCLE_G2_M_PHASE_TRANSITION
C2:REACTOME_MITOTIC_G2_G2_M_PHASES
PATHWAY:Cell Cycle G2/M Checkpoint_Homo sapiens_h_g2Pathway
C2:BIOCARTA_G2_PATHWAY
C2:REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT
C2:SA_G2_AND_M_PHASES
C5:GO_MITOTIC_G2_DNA_DAMAGE_CHECKPOINT
C5:GO_MITOTIC_G2_M_TRANSITION_CHECKPOINT
C5:GO_NEGATIVE_REGULATION_OF_CELL_CYCLE_G2_M_PHASE_TRANSITION
C5:GO_REGULATION_OF_CELL_CYCLE_G2_M_PHASE_TRANSITION
GOBP:mitotic G2 DNA damage checkpoint (GO_0007095)
GOBP:mitotic G2/M transition checkpoint (GO_0044818)
GOBP:signal transduction involved in G2 DNA damage checkpoint (GO_0072425)
C5:GO_G2_DNA_DAMAGE_CHECKPOINT
GOBP:negative regulation of cyclin−dependent protein serine/threonine kinase activity involved in G1/S transition
GOBP:regulation of cyclin−dependent protein serine/threonine kinase activity involved in G1/S transition of mitotic
GOBP:positive regulation of cyclin−dependent protein serine/threonine kinase activity involved in G1/S transition
C2:BOYAULT_LIVER_CANCER_SUBCLASS_G1_UP
GOBP:negative regulation of cell cycle G1/S phase transition (GO_1902807)
GOBP:negative regulation of G1/S transition of mitotic cell cycle (GO_2000134)
C2:IIZUKA_LIVER_CANCER_PROGRESSION_G2_G3_DN
C2:IIZUKA_LIVER_CANCER_PROGRESSION_G1_G2_UP
C2:IIZUKA_LIVER_CANCER_PROGRESSION_L1_G1_UP
C2:NAGASHIMA_NRG1_SIGNALING_UP
TISSUE:Hep−G2 cell
C2:NAGASHIMA_NRG1_SIGNALING_DN