

KEGG_P53_SIGNALING_PATHWAY

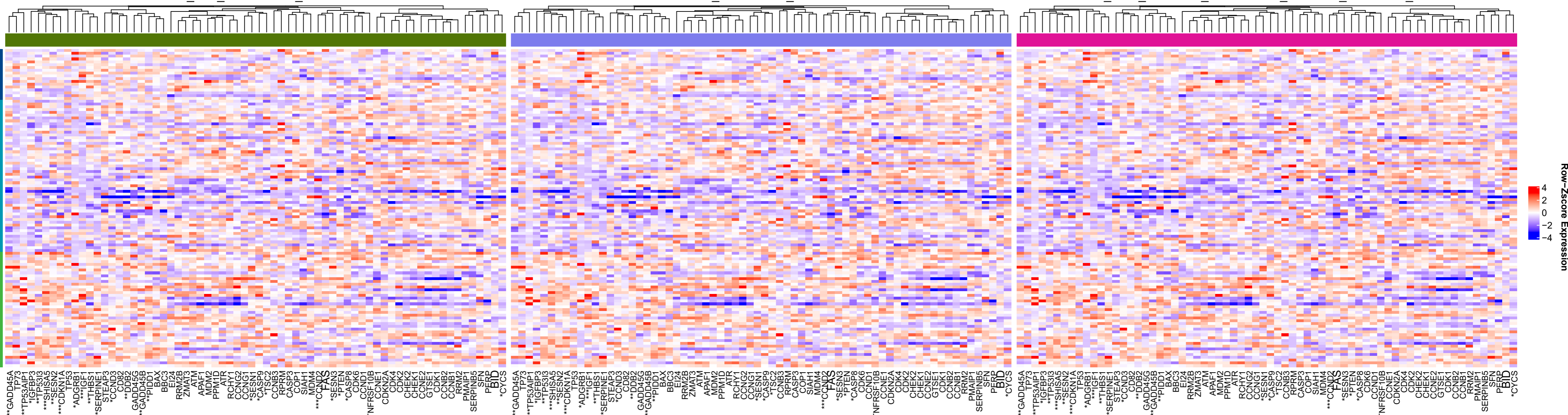
REACTOME_CELLULAR_SENESCENCE

REACTOME_DNA_DAMAGE_TELOMERE_STRESS_INDUCED_SENESCENCE

clust1

clust2

clust3



Row-Zscore Expression

**GADD45A
 TP73
 ***TP53AIP1
 *IGFBP3
 **TP53J3
 ***SHISA5
 **SESN2
 ***CDKN1A
 TP53
 *ADGRB1
 ***IGF1
 **THBS1
 ***SERPINE1
 STEAP3
 *CCND3
 **DDB2
 GADD45G
 **GADD45B
 ***PIDD1
 BAX
 BBC3
 E124
 RRM2B
 ZMAT3
 ATM
 APAF1
 MDM2
 PPM1D
 ATR
 RCHY1
 CCNG2
 CCNG1
 *SESN1
 *CASP9
 *TSC2
 CCNB3
 RPRM
 CASP3
 COP1
 SIAH1
 MDM4
 ***CCND2
 FAS
 *SESN3
 *PTEN
 *CASP8
 CDK6
 CCND1
 TNFRSF10B
 CCNE1
 CDKN2A
 CDK4
 CDK2
 CHEK2
 CHEK1
 CCNE2
 GTSE1
 CDK1
 CCNB2
 CCNB1
 RRM2
 PMAIP1
 SERPINB5
 SFN
 PERP
 BID
 *CYCS