

M\_CHECKPOINT, HALLMARK\_G2M\_CHECKPOINT

HALLMARK\_E2F\_TARGETS, HALLMARK\_E2F\_TARGETS  
HALLMARK\_MYC\_TARGETS\_V1, HALLMARK\_MYC\_TARGETS\_V1  
MORF\_PRKDC, MORF\_PRKDC  
GSE22886\_UNSTIM\_VS\_IL15\_STIM\_NKCELL\_DN, GSE22886\_UNSTIM\_VS\_IL15\_STIM\_NKCELL\_DN  
MORF\_HAT1, MORF\_HAT1  
ZHANG\_TLX\_TARGETS\_36HR\_DN, ZHANG\_TLX\_TARGETS\_36HR\_DN  
PUJANA\_XPRSS\_INT\_NETWORK, PUJANA\_XPRSS\_INT\_NETWORK  
GSE10239\_MEMORY\_VS\_DAY4.5\_EFF\_CD8\_TCELL\_DN, GSE10239\_MEMORY\_VS\_DAY4.5\_EFF\_CD8\_TCELL\_DN  
GSE36476\_CTRL\_VS\_TSST\_ACT\_40H\_MEMORY\_CD4\_TCELL\_OLD\_DN, GSE36476\_CTRL\_VS\_TSST\_ACT\_40H\_MEMORY\_CD4\_TCELL\_OLD\_DN  
FUJII\_YBX1\_TARGETS\_DN, FUJII\_YBX1\_TARGETS\_DN  
GSE5679\_CTRL\_VS\_PPARG\_LIGAND\_ROSIGLITAZONE\_TREATED\_DC\_UP, GSE5679\_CTRL\_VS\_PPARG\_LIGAND\_ROSIGLITAZONE\_TREATED\_DC\_UP  
REACTOME\_DNA\_REPLICATION, REACTOME\_DNA\_REPLICATION  
GSE15930\_NAIVE\_VS\_48H\_IN\_VITRO\_STIM\_IFNAB\_CD8\_TCELL\_DN, GSE15930\_NAIVE\_VS\_48H\_IN\_VITRO\_STIM\_IFNAB\_CD8\_TCELL\_DN  
GSE18893\_TCONV\_VS\_TREG\_24H\_TNF\_STIM\_UP, GSE18893\_TCONV\_VS\_TREG\_24H\_TNF\_STIM\_UP  
GSE15930\_NAIVE\_VS\_48H\_IN\_VITRO\_STIM\_IL12\_CD8\_TCELL\_DN, GSE15930\_NAIVE\_VS\_48H\_IN\_VITRO\_STIM\_IL12\_CD8\_TCELL\_DN  
BOYAULT\_LIVER\_CANCER\_SUBCLASS\_G3\_UP, BOYAULT\_LIVER\_CANCER\_SUBCLASS\_G3\_UP  
MORF\_PPP1CC, MORF\_PPP1CC  
MOREAUX\_MULTIPLE\_MYELOMA\_BY\_TACI\_DN, MOREAUX\_MULTIPLE\_MYELOMA\_BY\_TACI\_DN  
GSE24634\_TEFF\_VS\_TCONV\_DAY5\_IN\_CULTURE\_UP, GSE24634\_TEFF\_VS\_TCONV\_DAY5\_IN\_CULTURE\_UP  
GSE15930\_NAIVE\_VS\_48H\_IN\_VITRO\_STIM\_CD8\_TCELL\_DN, GSE15930\_NAIVE\_VS\_48H\_IN\_VITRO\_STIM\_CD8\_TCELL\_DN  
GSE24634\_TREG\_VS\_TCONV\_POST\_DAY5\_IL4\_CONVERSION\_UP, GSE24634\_TREG\_VS\_TCONV\_POST\_DAY5\_IL4\_CONVERSION\_UP  
GSE24634\_TREG\_VS\_TCONV\_POST\_DAY3\_IL4\_CONVERSION\_UP, GSE24634\_TREG\_VS\_TCONV\_POST\_DAY3\_IL4\_CONVERSION\_UP  
GSE15750\_DAY6\_VS\_DAY10\_EFF\_CD8\_TCELL\_UP, GSE15750\_DAY6\_VS\_DAY10\_EFF\_CD8\_TCELL\_UP  
GSE21063\_WT\_VS\_NFATC1\_KO\_8H\_ANTI\_IGM\_STIM\_BCELL\_UP, GSE21063\_WT\_VS\_NFATC1\_KO\_8H\_ANTI\_IGM\_STIM\_BCELL\_UP  
GSE21063\_CTRL\_VS\_ANTI\_IGM\_STIM\_BCELL\_NFATC1\_KO\_8H\_DN, GSE21063\_CTRL\_VS\_ANTI\_IGM\_STIM\_BCELL\_NFATC1\_KO\_8H\_DN  
GSE15750\_DAY6\_VS\_DAY10\_TRAF6KO\_EFF\_CD8\_TCELL\_UP, GSE15750\_DAY6\_VS\_DAY10\_TRAF6KO\_EFF\_CD8\_TCELL\_UP  
GSE22886\_UNSTIM\_VS\_STIM\_MEMORY\_TCELL\_DN, GSE22886\_UNSTIM\_VS\_STIM\_MEMORY\_TCELL\_DN  
GSE7764\_IL15\_TREATED\_VS\_CTRL\_NK\_CELL\_24H\_UP, GSE7764\_IL15\_TREATED\_VS\_CTRL\_NK\_CELL\_24H\_UP  
GSE36476\_CTRL\_VS\_TSST\_ACT\_72H\_MEMORY\_CD4\_TCELL\_OLD\_DN, GSE36476\_CTRL\_VS\_TSST\_ACT\_72H\_MEMORY\_CD4\_TCELL\_OLD\_DN  
WINNEPENNNINCKX\_MELANOMA\_METASTASIS\_UP, WINNEPENNNINCKX\_MELANOMA\_METASTASIS\_UP  
MORF\_RFC4, MORF\_RFC4  
GSE12845\_NAIVE\_VS\_PRE\_GC\_TONSIL\_BCELL\_DN, GSE12845\_NAIVE\_VS\_PRE\_GC\_TONSIL\_BCELL\_DN  
GSE22886\_NAIVE\_CD4\_TCELL\_VS\_48H\_ACT\_TH1\_DN, GSE22886\_NAIVE\_CD4\_TCELL\_VS\_48H\_ACT\_TH1\_DN  
GSE12845\_IGD\_POS\_BLOOD\_VS\_PRE\_GC\_TONSIL\_BCELL\_DN, GSE12845\_IGD\_POS\_BLOOD\_VS\_PRE\_GC\_TONSIL\_BCELL\_DN  
REACTOME\_MITOTIC\_M\_M\_G1\_PHASES, REACTOME\_MITOTIC\_M\_M\_G1\_PHASES  
GSE5679\_CTRL\_VS\_RARA\_AGONIST\_AM580\_TREATED\_DC\_UP, GSE5679\_CTRL\_VS\_RARA\_AGONIST\_AM580\_TREATED\_DC\_UP  
GSE22886\_UNSTIM\_VS\_IL2\_STIM\_NKCELL\_DN, GSE22886\_UNSTIM\_VS\_IL2\_STIM\_NKCELL\_DN  
GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTI\_IL12\_24H\_CD4\_TCELL\_DN, GSE17974\_CTRL\_VS\_ACT\_IL4\_AND\_ANTI\_IL12\_24H\_CD4\_TCELL\_DN  
GSE15930\_NAIVE\_VS\_24H\_IN\_VITRO\_STIM\_CD8\_TCELL\_DN, GSE15930\_NAIVE\_VS\_24H\_IN\_VITRO\_STIM\_CD8\_TCELL\_DN  
ROSTY\_CERVICAL\_CANCER\_PROLIFERATION\_CLUSTER, ROSTY\_CERVICAL\_CANCER\_PROLIFERATION\_CLUSTER  
GSE10239\_MEMORY\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN, GSE10239\_MEMORY\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN  
GSE21927\_SPLEEN\_C57BL6\_VS\_EL4\_TUMOR\_BALBC\_MONOCYTES\_DN, GSE21927\_SPLEEN\_C57BL6\_VS\_EL4\_TUMOR\_BALBC\_MONOCYTES\_DN  
GSE13547\_WT\_VS\_ZFX\_KO\_BCELL\_ANTI\_IGM\_STIM\_2H\_UP, GSE13547\_WT\_VS\_ZFX\_KO\_BCELL\_ANTI\_IGM\_STIM\_2H\_UP  
GSE33292\_WT\_VS\_TCF1\_KO\_DN3\_THYMOCYTE\_DN, GSE33292\_WT\_VS\_TCF1\_KO\_DN3\_THYMOCYTE\_DN  
GSE15930\_NAIVE\_VS\_24H\_IN\_VITRO\_STIM\_INFAB\_CD8\_TCELL\_DN, GSE15930\_NAIVE\_VS\_24H\_IN\_VITRO\_STIM\_INFAB\_CD8\_TCELL\_DN  
GSE5142\_HTERT\_TRANSDUCED\_VS\_CTRL\_CD8\_TCELL\_LATE\_PASSAGE\_CLONE\_UP, GSE5142\_HTERT\_TRANSDUCED\_VS\_CTRL\_CD8\_TCELL\_LATE\_PASSAGE\_CLONE\_UP  
GO\_SISTER\_CHROMATID\_SEGREGATION, GO\_SISTER\_CHROMATID\_SEGREGATION  
GSE13547\_2H\_VS\_12\_H\_ANTI\_IGM\_STIM\_BCELL\_DN, GSE13547\_2H\_VS\_12\_H\_ANTI\_IGM\_STIM\_BCELL\_DN  
SOTIRIOU\_BREAST\_CANCER\_GRADE\_1\_VS\_3\_UP, SOTIRIOU\_BREAST\_CANCER\_GRADE\_1\_VS\_3\_UP  
GSE37532\_TREG\_VS\_TCONV\_PPARG\_KO\_CD4\_TCELL\_FROM\_LN\_UP, GSE37532\_TREG\_VS\_TCONV\_PPARG\_KO\_CD4\_TCELL\_FROM\_LN\_UP  
GO\_CHROMOSOME\_CENTROMERIC\_REGION, GO\_CHROMOSOME\_CENTROMERIC\_REGION  
BENPORATH\_PROLIFERATION, BENPORATH\_PROLIFERATION