

**\_TO\_ADAPHOSTIN\_UP, PODAR\_RESPONSE\_TO\_ADAPHOSTIN\_UP**

GSE41176\_UNSTIM\_VS\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN, GSE41176\_UNSTIM\_VS\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN  
EGFR\_UP.V1\_UP, EGFR\_UP.V1\_UP  
GSE19888\_CTRL\_VS\_A3R\_INHIBITOR\_TREATED\_MAST\_CELL\_DN, GSE19888\_CTRL\_VS\_A3R\_INHIBITOR\_TREATED\_MAST\_CELL\_DN  
SMIRNOV\_CIRCULATING\_ENDOTHELIOCYTES\_IN\_CANCER\_UP, SMIRNOV\_CIRCULATING\_ENDOTHELIOCYTES\_IN\_CANCER\_UP  
HALLMARK\_EPITHELIAL\_MESENCHYMAL\_TRANSITION, HALLMARK\_EPITHELIAL\_MESENCHYMAL\_TRANSITION  
GSE4748\_CTRL\_VS\_LPS\_AND\_CYANOBACTERIUM\_LPSLIKE\_STIM\_DC\_3H\_UP, GSE4748\_CTRL\_VS\_LPS\_AND\_CYANOBACTERIUM\_LPSLIKE\_STIM\_DC\_3H\_UP  
GSE24972\_WT\_VS\_IRF8\_KO\_MARGINAL\_ZONE\_SPLEEN\_BCELL\_UP, GSE24972\_WT\_VS\_IRF8\_KO\_MARGINAL\_ZONE\_SPLEEN\_BCELL\_UP  
PIGF\_UP.V1\_UP, PIGF\_UP.V1\_UP  
GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_TCELL\_6H\_UP, GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_TCELL\_6H\_UP  
GSE22103\_UNSTIM\_VS\_LPS\_STIM\_NEUTROPHIL\_DN, GSE22103\_UNSTIM\_VS\_LPS\_STIM\_NEUTROPHIL\_DN  
REACTOME\_DIABETES\_PATHWAYS, REACTOME\_DIABETES\_PATHWAYS  
GSE25085\_FETAL\_LIVER\_VS\_FETAL\_BM\_SP4\_THYMIC\_IMPLANT\_DN, GSE25085\_FETAL\_LIVER\_VS\_FETAL\_BM\_SP4\_THYMIC\_IMPLANT\_DN  
GSE3039\_NKT\_CELL\_VS\_B2\_BCELL\_DN, GSE3039\_NKT\_CELL\_VS\_B2\_BCELL\_DN  
RODRIGUES\_DCC\_TARGETS\_DN, RODRIGUES\_DCC\_TARGETS\_DN  
GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_STAT5\_AB\_KNOCKIN\_TCELL\_17H\_UP, GSE36888\_UNTREATED\_VS\_IL2\_TREATED\_STAT5\_AB\_KNOCKIN\_TCELL\_17H\_UP  
WIERENGA\_STAT5A\_TARGETS\_GROUP1, WIERENGA\_STAT5A\_TARGETS\_GROUP1  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_HSC\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_HSC\_UP  
GSE17721\_LPS\_VS\_CPG\_2H\_BMDC\_UP, GSE17721\_LPS\_VS\_CPG\_2H\_BMDC\_UP  
GSE21546\_UNSTIM\_VS\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP, GSE21546\_UNSTIM\_VS\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP  
GSE10211\_UV\_INACT\_SENDAI\_VS\_LIVE\_SENDAI\_VIRUS\_TRACHEAL\_EPITHELIAL\_CELLS\_DN, GSE10211\_UV\_INACT\_SENDAI\_VS\_LIVE\_SENDAI\_VIRUS\_TRACHEAL\_EPITHELIAL\_CELLS\_DN  
BMI1\_DN\_MEL18\_DN.V1\_UP, BMI1\_DN\_MEL18\_DN.V1\_UP  
MTOR\_UP.V1\_DN, MTOR\_UP.V1\_DN  
GROSS\_HYPOXIA\_VIA\_ELK3\_DN, GROSS\_HYPOXIA\_VIA\_ELK3\_DN  
SHETH\_LIVER\_CANCER\_VS\_TXNIP\_LOSS\_PAM2, SHETH\_LIVER\_CANCER\_VS\_TXNIP\_LOSS\_PAM2  
HALLMARK\_KRAS\_SIGNALING\_UP, HALLMARK\_KRAS\_SIGNALING\_UP  
ATF\_B, ATF\_B  
GSE21546\_UNSTIM\_VS\_ANTI\_CD3\_STIM\_SAP1A\_KO\_DP\_THYMOCYTES\_UP, GSE21546\_UNSTIM\_VS\_ANTI\_CD3\_STIM\_SAP1A\_KO\_DP\_THYMOCYTES\_UP  
GSE12366\_GC\_BCELL\_VS\_PLASMA\_CELL\_DN, GSE12366\_GC\_BCELL\_VS\_PLASMA\_CELL\_DN  
SWEET\_KRAS\_TARGETS\_UP, SWEET\_KRAS\_TARGETS\_UP  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_TURQUOISE\_UP, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_TURQUOISE\_UP  
HOOI\_ST7\_TARGETS\_UP, HOOI\_ST7\_TARGETS\_UP  
WINZEN\_DEGRADED\_VIA\_KHSRP, WINZEN\_DEGRADED\_VIA\_KHSRP  
FRASOR\_RESPONSE\_TO\_ESTRADIOL\_DN, FRASOR\_RESPONSE\_TO\_ESTRADIOL\_DN  
PEDERSEN\_TARGETS\_OF\_611CTF\_ISOFORM\_OF\_ERBB2, PEDERSEN\_TARGETS\_OF\_611CTF\_ISOFORM\_OF\_ERBB2  
TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_GRANULOCYTE\_UP, TONKS\_TARGETS\_OF\_RUNX1\_RUNX1T1\_FUSION\_GRANULOCYTE\_UP  
GSE22886\_NEUTROPHIL\_VS\_DC\_UP, GSE22886\_NEUTROPHIL\_VS\_DC\_UP  
GO\_DEVELOPMENTAL\_MATURATION, GO\_DEVELOPMENTAL\_MATURATION  
GO\_CELLULAR\_RESPONSE\_TO\_GLUCOSE\_STARVATION, GO\_CELLULAR\_RESPONSE\_TO\_GLUCOSE\_STARVATION  
QI\_PLASMACYTOMA\_DN, QI\_PLASMACYTOMA\_DN  
RAF\_UP.V1\_DN, RAF\_UP.V1\_DN  
GSE21546\_WT\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP, GSE21546\_WT\_VS\_SAP1A\_KO\_AND\_ELK1\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP  
COULOARN\_TEMPORAL\_TGFB1\_SIGNATURE\_UP, COULOARN\_TEMPORAL\_TGFB1\_SIGNATURE\_UP  
KRAS.LUNG.BREAST\_UP.V1\_UP, KRAS.LUNG.BREAST\_UP.V1\_UP  
PARK\_OSTEOBLAST\_DIFFERENTIATION\_BY\_PHENYLAMIL\_UP, PARK\_OSTEOBLAST\_DIFFERENTIATION\_BY\_PHENYLAMIL\_UP  
GSE30971\_2H\_VS\_4H\_LPS\_STIM\_MACROPHAGE\_WBP7\_HET\_DN, GSE30971\_2H\_VS\_4H\_LPS\_STIM\_MACROPHAGE\_WBP7\_HET\_DN  
GO\_POSITIVE\_REGULATION\_OF\_INTERFERON\_GAMMA\_PRODUCTION, GO\_POSITIVE\_REGULATION\_OF\_INTERFERON\_GAMMA\_PRODUCTION  
LEE\_NEURAL\_CREST\_STEM\_CELL\_DN, LEE\_NEURAL\_CREST\_STEM\_CELL\_DN  
PLASARI\_NFIC\_TARGETS\_BASAL\_UP, PLASARI\_NFIC\_TARGETS\_BASAL\_UP  
GSE15324\_ELF4\_KO\_VS\_WT\_NAIVE\_CD8\_TCELL\_DN, GSE15324\_ELF4\_KO\_VS\_WT\_NAIVE\_CD8\_TCELL\_DN  
GO\_MEMBRANE\_DOCKING, GO\_MEMBRANE\_DOCKING  
GSE22501\_PERIPHERAL\_BLOOD\_VS\_CORD\_BLOOD\_TREG\_UP, GSE22501\_PERIPHERAL\_BLOOD\_VS\_CORD\_BLOOD\_TREG\_UP  
ZHAN\_MULTIPLE\_MYELOMA\_CD1\_UP, ZHAN\_MULTIPLE\_MYELOMA\_CD1\_UP  
GO\_ENDOCRINE\_SYSTEM\_DEVELOPMENT, GO\_ENDOCRINE\_SYSTEM\_DEVELOPMENT  
RAAGNYNNCTTY\_UNKNOWN, RAAGNYNNCTTY\_UNKNOWN  
GO\_REGULATION\_OF\_TYROSINE\_PHOSPHORYLATION\_OF\_STAT\_PROTEIN, GO\_REGULATION\_OF\_TYROSINE\_PHOSPHORYLATION\_OF\_STAT\_PROTEIN  
RADMACHER\_AML\_PROGNOSIS, RADMACHER\_AML\_PROGNOSIS  
GSE22443\_NAIVE\_VS\_ACT\_AND\_IL2\_TREATED\_CD8\_TCELL\_UP, GSE22443\_NAIVE\_VS\_ACT\_AND\_IL2\_TREATED\_CD8\_TCELL\_UP  
LI\_CISPLATIN\_RESISTANCE\_DN, LI\_CISPLATIN\_RESISTANCE\_DN  
GO\_ANTIPORTER\_ACTIVITY, GO\_ANTIPORTER\_ACTIVITY  
GO\_REGULATION\_OF\_ENDOTHELIAL\_CELL\_CHEMOTAXIS, GO\_REGULATION\_OF\_ENDOTHELIAL\_CELL\_CHEMOTAXIS  
GO\_LIGASE\_REGULATOR\_ACTIVITY, GO\_LIGASE\_REGULATOR\_ACTIVITY  
ENGELMANN\_CANCER\_PROGENITORS\_DN, ENGELMANN\_CANCER\_PROGENITORS\_DN  
GO\_NEGATIVE\_REGULATION\_OF\_SMOOTH\_MUSCLE\_CELL\_MIGRATION, GO\_NEGATIVE\_REGULATION\_OF\_SMOOTH\_MUSCLE\_CELL\_MIGRATION  
AMIT\_EGF\_RESPONSE\_480\_MCF10A, AMIT\_EGF\_RESPONSE\_480\_MCF10A  
GO\_POSITIVE\_REGULATION\_OF\_TYROSINE\_PHOSPHORYLATION\_OF\_STAT3\_PROTEIN, GO\_POSITIVE\_REGULATION\_OF\_TYROSINE\_PHOSPHORYLATION\_OF\_STAT3\_PROTEIN  
RANKIN\_ANGIOGENIC\_TARGETS\_OF\_VHL\_HIF2A\_DN, RANKIN\_ANGIOGENIC\_TARGETS\_OF\_VHL\_HIF2A\_DN  
SABATES\_COLORECTAL\_ADENOMA\_UP, SABATES\_COLORECTAL\_ADENOMA\_UP  
GO\_REGULATION\_OF\_STAT\_CASCADE, GO\_REGULATION\_OF\_STAT\_CASCADE  
DAZARD\_UV\_RESPONSE\_CLUSTER\_G24, DAZARD\_UV\_RESPONSE\_CLUSTER\_G24  
MOHANKUMAR\_TLX1\_TARGETS\_DN, MOHANKUMAR\_TLX1\_TARGETS\_DN  
chr7q31, chr7q31