

\_MYST2, GCM\_MYST2

GCM\_RAB10, GCM\_RAB10  
GCM\_MLL, GCM\_MLL  
GCM\_DFFA, GCM\_DFFA  
GCM\_RAN, GCM\_RAN  
GCM\_UBE2N, GCM\_UBE2N  
GCM\_GSPT1, GCM\_GSPT1  
GO\_NUCLEAR\_SPECK, GO\_NUCLEAR\_SPECK  
GCM\_ZNF198, GCM\_ZNF198  
GSE37416\_0H\_VS\_12H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_0H\_VS\_12H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE39022\_LN\_VS\_SPLEEN\_DC\_DN, GSE39022\_LN\_VS\_SPLEEN\_DC\_DN  
GO\_ACETYLTRANSFERASE\_COMPLEX, GO\_ACETYLTRANSFERASE\_COMPLEX  
GCM\_MAP4K4, GCM\_MAP4K4  
GSE37416\_0H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN, GSE37416\_0H\_VS\_24H\_F\_TULARENSIS\_LVS\_NEUTROPHIL\_DN  
GSE6674\_CPG\_VS\_CPG\_AND\_ANTLIGM\_STIM\_BCELL\_DN, GSE6674\_CPG\_VS\_CPG\_AND\_ANTLIGM\_STIM\_BCELL\_DN  
GSE46025\_WT\_VS\_FOXO1\_KO\_KLRG1\_LOW\_CD8\_EFFECTOR\_TCELL\_DN, GSE46025\_WT\_VS\_FOXO1\_KO\_KLRG1\_LOW\_CD8\_EFFECTOR\_TCELL\_DN  
GCM\_HBP1, GCM\_HBP1  
GSE41176\_UNSTIM\_VS\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN, GSE41176\_UNSTIM\_VS\_ANTI\_IGM\_STIM\_BCELL\_24H\_DN  
GSE7348\_UNSTIM\_VS\_LPS\_STIM\_MACROPHAGE\_UP, GSE7348\_UNSTIM\_VS\_LPS\_STIM\_MACROPHAGE\_UP  
GSE3982\_CTRL\_VS\_LPS\_4H\_MAC\_UP, GSE3982\_CTRL\_VS\_LPS\_4H\_MAC\_UP  
GCM\_NCAM1, GCM\_NCAM1  
GCM\_CHUK, GCM\_CHUK  
GCM\_RBM8A, GCM\_RBM8A  
GCM\_PTK2, GCM\_PTK2  
GCM\_CRKL, GCM\_CRKL  
GCM\_CALM1, GCM\_CALM1  
MODULE\_323, MODULE\_323  
GSE29949\_CD8\_NEG\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_UP, GSE29949\_CD8\_NEG\_DC\_SPLEEN\_VS\_MONOCYTE\_BONE\_MARROW\_UP  
GSE29617\_CTRL\_VS\_DAY3\_TIV\_FLU\_VACCINE\_PBMC\_2008\_UP, GSE29617\_CTRL\_VS\_DAY3\_TIV\_FLU\_VACCINE\_PBMC\_2008\_UP  
GO\_PROTEIN\_ACYLATION, GO\_PROTEIN\_ACYLATION  
GCM\_BMPR2, GCM\_BMPR2  
GCM\_NUMA1, GCM\_NUMA1  
GO\_PROTEIN\_ACETYLATION, GO\_PROTEIN\_ACETYLATION  
GSE14308\_TH1\_VS\_NATURAL\_TREG\_DN, GSE14308\_TH1\_VS\_NATURAL\_TREG\_DN  
GSE19888\_CTRL\_VS\_A3R\_ACTIVATION\_MAST\_CELL\_UP, GSE19888\_CTRL\_VS\_A3R\_ACTIVATION\_MAST\_CELL\_UP  
GSE13493\_DP\_VS\_CD8POS\_THYMOCYTE\_UP, GSE13493\_DP\_VS\_CD8POS\_THYMOCYTE\_UP  
GCM\_DENR, GCM\_DENR  
GSE20500\_RETINOIC\_ACID\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_DN, GSE20500\_RETINOIC\_ACID\_VS\_RARA\_ANTAGONIST\_TREATED\_CD4\_TCELL\_DN  
GSE2770\_TGFB\_AND\_IL4\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN, GSE2770\_TGFB\_AND\_IL4\_VS\_TGFB\_AND\_IL12\_TREATED\_ACT\_CD4\_TCELL\_6H\_DN  
GCM\_CSNK1A1, GCM\_CSNK1A1  
GENTILE\_RESPONSE\_CLUSTER\_D3, GENTILE\_RESPONSE\_CLUSTER\_D3  
GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_6H\_UP, GSE21033\_CTRL\_VS\_POLYIC\_STIM\_DC\_6H\_UP  
GO\_ACETYLTRANSFERASE\_ACTIVITY, GO\_ACETYLTRANSFERASE\_ACTIVITY  
GO\_N\_ACETYLTRANSFERASE\_ACTIVITY, GO\_N\_ACETYLTRANSFERASE\_ACTIVITY  
GACAATC\_MIR219, GACAATC\_MIR219  
ATAGGAA\_MIR202, ATAGGAA\_MIR202  
TNCATNTCCYR\_UNKNOWN, TNCATNTCCYR\_UNKNOWN  
GCM\_BCL2L1, GCM\_BCL2L1  
GO\_PEPTIDE\_N\_ACETYLTRANSFERASE\_ACTIVITY, GO\_PEPTIDE\_N\_ACETYLTRANSFERASE\_ACTIVITY  
BOYAULT\_LIVER\_CANCER\_SUBCLASS\_G1\_UP, BOYAULT\_LIVER\_CANCER\_SUBCLASS\_G1\_UP  
GO\_PROTEIN\_K48\_LINKED\_UBIQUITINATION, GO\_PROTEIN\_K48\_LINKED\_UBIQUITINATION  
GSE7548\_NAIVE\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_UP, GSE7548\_NAIVE\_VS\_DAY28\_PCC\_IMMUNIZATION\_CD4\_TCELL\_UP  
TTGGAGA\_MIR5155P\_MIR519E, TTGGAGA\_MIR5155P\_MIR519E  
GSE25088\_WT\_VS\_STAT6\_KO\_MACROPHAGE\_ROSIGLITAZONE\_STIM\_DN, GSE25088\_WT\_VS\_STAT6\_KO\_MACROPHAGE\_ROSIGLITAZONE\_STIM\_DN  
ATGTTTC\_MIR494, ATGTTTC\_MIR494  
GO\_HISTONE\_H3\_ACETYLATION, GO\_HISTONE\_H3\_ACETYLATION  
GO\_SAGA\_TYPE\_COMPLEX, GO\_SAGA\_TYPE\_COMPLEX  
GCM\_GSTA4, GCM\_GSTA4  
GSE29617\_CTRL\_VS\_DAY7\_TIV\_FLU\_VACCINE\_PBMC\_2008\_UP, GSE29617\_CTRL\_VS\_DAY7\_TIV\_FLU\_VACCINE\_PBMC\_2008\_UP  
AACTGAC\_MIR223, AACTGAC\_MIR223  
LTE2\_UP.V1\_DN, LTE2\_UP.V1\_DN  
GO\_N\_ACYLTRANSFERASE\_ACTIVITY, GO\_N\_ACYLTRANSFERASE\_ACTIVITY  
TCATCTC\_MIR143, TCATCTC\_MIR143  
CRGAARNNNNCGA\_UNKNOWN, CRGAARNNNNCGA\_UNKNOWN  
GSE20715\_0H\_VS\_6H\_OZONE\_TLR4\_KO\_LUNG\_DN, GSE20715\_0H\_VS\_6H\_OZONE\_TLR4\_KO\_LUNG\_DN  
GCM\_PTPRD, GCM\_PTPRD  
CAGTCAC\_MIR134, CAGTCAC\_MIR134  
GCM\_PPM1D, GCM\_PPM1D  
GSE17974\_0H\_VS\_0.5H\_IN\_VITRO\_ACT\_CD4\_TCELL\_DN, GSE17974\_0H\_VS\_0.5H\_IN\_VITRO\_ACT\_CD4\_TCELL\_DN  
GAGCCAG\_MIR149, GAGCCAG\_MIR149  
WOOD\_EBV\_EBNA1\_TARGETS\_UP, WOOD\_EBV\_EBNA1\_TARGETS\_UP  
GCM\_FANCL, GCM\_FANCL  
ATGTAGC\_MIR221\_MIR222, ATGTAGC\_MIR221\_MIR222  
GSE46606\_IRF4MID\_VS\_WT\_CD40L\_IL2\_IL5\_DAY1\_STIMULATED\_BCELL\_DN, GSE46606\_IRF4MID\_VS\_WT\_CD40L\_IL2\_IL5\_DAY1\_STIMULATED\_BCELL\_DN  
AGGCACT\_MIR5153P, AGGCACT\_MIR5153P  
GSE360\_CTRL\_VS\_B\_MALAYI\_HIGH\_DOSE\_DC\_DN, GSE360\_CTRL\_VS\_B\_MALAYI\_HIGH\_DOSE\_DC\_DN  
AAGGGAT\_MIR188, AAGGGAT\_MIR188  
GSE15930\_NAIVE\_VS\_72H\_IN\_VITRO\_STIM\_IFNAB\_CD8\_TCELL\_UP, GSE15930\_NAIVE\_VS\_72H\_IN\_VITRO\_STIM\_IFNAB\_CD8\_TCELL\_UP  
CAATGCA\_MIR33, CAATGCA\_MIR33  
AGGAAGC\_MIR5163P, AGGAAGC\_MIR5163P  
GSE11961\_FOLLICULAR\_BCELL\_VS\_MEMORY\_BCELL\_DAY40\_DN, GSE11961\_FOLLICULAR\_BCELL\_VS\_MEMORY\_BCELL\_DAY40\_DN  
GSE32255\_WT\_VS\_JMJD2D\_KNOCKDOWN\_4H\_LPS\_STIM\_DC\_UP, GSE32255\_WT\_VS\_JMJD2D\_KNOCKDOWN\_4H\_LPS\_STIM\_DC\_UP  
GTAAGAT\_MIR200A, GTAAGAT\_MIR200A  
GCM\_MAP1B, GCM\_MAP1B  
MODULE\_493, MODULE\_493  
BROWNE\_HCMV\_INFECTION\_12HR\_DN, BROWNE\_HCMV\_INFECTION\_12HR\_DN  
GO\_MITOGEN\_ACTIVATED\_PROTEIN\_KINASE\_BINDING, GO\_MITOGEN\_ACTIVATED\_PROTEIN\_KINASE\_BINDING  
GO\_INTRACELLULAR\_RECEPTOR\_SIGNALING\_PATHWAY, GO\_INTRACELLULAR\_RECEPTOR\_SIGNALING\_PATHWAY  
AGGTGCA\_MIR500, AGGTGCA\_MIR500  
CCCAGAG\_MIR326, CCCAGAG\_MIR326  
GCTCTTG\_MIR335, GCTCTTG\_MIR335  
CCTGTGA\_MIR513, CCTGTGA\_MIR513  
GSE37534\_PIOGLITAZONE\_VS\_ROSIGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_FOXP3\_TRANSDUCD\_DN, GSE37534\_PIOGLITAZONE\_VS\_ROSIGLITAZONE\_TREATED\_CD4\_TCELL\_PPARG1\_FOXP3\_TRANSDUCD\_DN  
GO\_ANDROGEN\_RECEPTOR\_SIGNALING\_PATHWAY, GO\_ANDROGEN\_RECEPTOR\_SIGNALING\_PATHWAY  
GO\_PROTEIN\_K48\_LINKED\_DEUBIQUITINATION, GO\_PROTEIN\_K48\_LINKED\_DEUBIQUITINATION  
HUANG\_DASATINIB\_RESISTANCE\_DN, HUANG\_DASATINIB\_RESISTANCE\_DN  
ACTGCAG\_MIR173P, ACTGCAG\_MIR173P  
AATGGAG\_MIR136, AATGGAG\_MIR136  
PANGAS\_TUMOR\_SUPPRESSION\_BY\_SMAD1\_AND\_SMAD5\_DN, PANGAS\_TUMOR\_SUPPRESSION\_BY\_SMAD1\_AND\_SMAD5\_DN  
AGTCTTA\_MIR499, AGTCTTA\_MIR499  
GO\_THYROID\_HORMONE\_RECEPTOR\_BINDING, GO\_THYROID\_HORMONE\_RECEPTOR\_BINDING  
DORSAM\_HOXA9\_TARGETS\_UP, DORSAM\_HOXA9\_TARGETS\_UP  
GO\_BAF\_TYPE\_COMPLEX, GO\_BAF\_TYPE\_COMPLEX  
GO\_PEPTIDYL\_METHIONINE\_MODIFICATION, GO\_PEPTIDYL\_METHIONINE\_MODIFICATION  
GO\_POLY\_A\_SPECIFIC\_RIBONUCLEASE\_ACTIVITY, GO\_POLY\_A\_SPECIFIC\_RIBONUCLEASE\_ACTIVITY  
GSE3982\_EOSINOPHIL\_VS\_TH1\_UP, GSE3982\_EOSINOPHIL\_VS\_TH1\_UP  
GO\_NEGATIVE\_REGULATION\_OF\_VIRAL\_TRANSCRIPTION, GO\_NEGATIVE\_REGULATION\_OF\_VIRAL\_TRANSCRIPTION  
GO\_NPBAF\_COMPLEX, GO\_NPBAF\_COMPLEX  
GSE9946\_IMMATURE\_VS\_PROSTAGLANDINE2\_TREATED\_MATURE\_DC\_UP, GSE9946\_IMMATURE\_VS\_PROSTAGLANDINE2\_TREATED\_MATURE\_DC\_UP  
GSE3982\_MAC\_VS\_NEUTROPHIL\_DN, GSE3982\_MAC\_VS\_NEUTROPHIL\_DN  
CTAGGAA\_MIR384, CTAGGAA\_MIR384  
GO\_VITAMIN\_D\_RECEPTOR\_BINDING, GO\_VITAMIN\_D\_RECEPTOR\_BINDING  
GTGTCAA\_MIR514, GTGTCAA\_MIR514  
GSE1112\_OT1\_CD8AB\_VS\_HY\_CD8AA\_THYMOCYTE\_RTOC\_CULTURE\_DN, GSE1112\_OT1\_CD8AB\_VS\_HY\_CD8AA\_THYMOCYTE\_RTOC\_CULTURE\_DN  
chr7q11, chr7q11  
SCHAEFFER\_PROSTATE\_DEVELOPMENT\_AND\_CANCER\_BOX1\_UP, SCHAEFFER\_PROSTATE\_DEVELOPMENT\_AND\_CANCER\_BOX1\_UP  
MODULE\_533, MODULE\_533  
GSE12963\_UNINF\_VS\_ENV\_AND\_NEF\_DEFICIENT\_HIV1\_INF\_CD4\_TCELL\_UP, GSE12963\_UNINF\_VS\_ENV\_AND\_NEF\_DEFICIENT\_HIV1\_INF\_CD4\_TCELL\_UP  
PR\_02, PR\_02  
GO\_NEGATIVE\_REGULATION\_OF\_BINDING, GO\_NEGATIVE\_REGULATION\_OF\_BINDING  
MAGRANGEAS\_MULTIPLE\_MYELOMA\_IGLL\_VS\_IGLK\_UP, MAGRANGEAS\_MULTIPLE\_MYELOMA\_IGLL\_VS\_IGLK\_UP  
GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_MAGENTA\_UP, GARGALOVIC\_RESPONSE\_TO\_OXIDIZED\_PHOSPHOLIPIDS\_MAGENTA\_UP  
KONDO\_COLON\_CANCER\_HCP\_WITH\_H3K27ME1, KONDO\_COLON\_CANCER\_HCP\_WITH\_H3K27ME1  
IKEDA\_MIR30\_TARGETS\_DN, IKEDA\_MIR30\_TARGETS\_DN  
GSE11884\_WT\_VS\_FURIN\_KO\_NAIVE\_CD4\_TCELL\_DN, GSE11884\_WT\_VS\_FURIN\_KO\_NAIVE\_CD4\_TCELL\_DN  
CCATCCA\_MIR432, CCATCCA\_MIR432  
chr14q22, chr14q22  
GO\_MITOTIC\_SISTER\_CHROMATID\_COHESION, GO\_MITOTIC\_SISTER\_CHROMATID\_COHESION  
GO\_CYTOPLASMIC\_UBIQUITIN\_LIGASE\_COMPLEX, GO\_CYTOPLASMIC\_UBIQUITIN\_LIGASE\_COMPLEX  
CATRRAGC\_UNKNOWN, CATRRAGC\_UNKNOWN  
GO\_INTRACELLULAR\_STEROID\_HORMONE\_RECEPTOR\_SIGNALING\_PATHWAY, GO\_INTRACELLULAR\_STEROID\_HORMONE\_RECEPTOR\_SIGNALING\_PATHWAY  
GO\_RAL\_GTPASE\_BINDING, GO\_RAL\_GTPASE\_BINDING  
GSE18893\_CTRL\_VS\_TNF\_TREATED\_TREG\_2H\_DN, GSE18893\_CTRL\_VS\_TNF\_TREATED\_TREG\_2H\_DN  
GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_TREATED\_CD4\_TCELL\_DN, GSE23505\_UNTREATED\_VS\_4DAY\_IL6\_IL1\_TREATED\_CD4\_TCELL\_DN  
GSE3982\_CENT\_MEMORY\_CD4\_TCELL\_VS\_TH1\_UP, GSE3982\_CENT\_MEMORY\_CD4\_TCELL\_VS\_TH1\_UP  
chr4q26, chr4q26  
GO\_REGULATION\_OF\_MRNA\_CATABOLIC\_PROCESS, GO\_REGULATION\_OF\_MRNA\_CATABOLIC\_PROCESS  
GTGGTGA\_MIR197, GTGGTGA\_MIR197  
GSE37301\_LYMPHOID\_PRIMED\_MPP\_VS\_CD4\_TCELL\_UP, GSE37301\_LYMPHOID\_PRIMED\_MPP\_VS\_CD4\_TCELL\_UP  
GSE26488\_HDAC7\_KO\_VS\_VP16\_TRANSGENIC\_HDAC7\_KO\_DOUBLE\_POSITIVE\_THYMOCYTE\_UP, GSE26488\_HDAC7\_KO\_VS\_VP16\_TRANSGENIC\_HDAC7\_KO\_DOUBLE\_POSITIVE\_THYMOCYTE\_UP  
GO\_N\_TERMINAL\_PROTEIN\_AMINO\_ACID\_ACETYLATION, GO\_N\_TERMINAL\_PROTEIN\_AMINO\_ACID\_ACETYLATION