```
GCM_RAB10, GCM_RAB10
GCM_MYST2, GCM_MYST2
GCM_GSPT1, GCM_GSPT1
GO_NUCLEAR_SPECK, GO_NUCLEAR_SPECK
GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN, GSE21360_PRIMARY_VS_QUATERNARY_MEMORY_CD8_TCELL_DN
GCM_DFFA, GCM_DFFA
GCM_RAN, GCM_RAN
GCM_MAP4K4, GCM_MAP4K4
GSE41867_DAY8_VS_DAY15_LCMV_CLONE13_EFFECTOR_CD8_TCELL_UP, GSE41867_DAY8_VS_DAY15_LCMV_CLONE13_EFFECTOR_CD8_TCELL_UP
GO_ACETYLTRANSFERASE_COMPLEX, GO_ACETYLTRANSFERASE_COMPLEX
GCM_PTK2, GCM_PTK2
GCM_ZNF198, GCM_ZNF198
GSE411_100MIN_VS_400MIN_IL6_STIM_MACROPHAGE_UP, GSE411_100MIN_VS_400MIN_IL6_STIM_MACROPHAGE_UP
GCM_HBP1, GCM_HBP1
 GSE369_IFNG_KO_VS_WT_LIVER_UP, GSE369_IFNG_KO_VS_WT_LIVER_UP
KAECH_NAIVE_VS_DAY8_EFF_CD8_TCELL_UP, KAECH_NAIVE_VS_DAY8_EFF_CD8_TCELL_UP
GSE32423_IL7_VS_IL7_IL4_NAIVE_CD8_TCELL_DN, GSE32423_IL7_VS_IL7_IL4_NAIVE_CD8_TCELL_DN
GSE24671_CTRL_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_DN, GSE24671_CTRL_VS_SENDAI_VIRUS_INFECTED_MOUSE_SPLENOCYTES_DN
KAECH_NAIVE_VS_MEMORY_CD8_TCELL_UP, KAECH_NAIVE_VS_MEMORY_CD8_TCELL_UP
GSE6674 ANTI_IGM_VS_CPG_STIM_BCELL_UP, GSE6674_ANTI_IGM_VS_CPG_STIM_BCELL_UP
GCM_ERBB2IP, GCM_ERBB2IP
GSE9650 NAIVE VS MEMORY CD8 TCELL UP, GSE9650 NAIVE VS MEMORY CD8 TCELL UP
GSE19888_CTRL_VS_A3R_ACTIVATION_MAST_CELL_UP, GSE19888_CTRL_VS_A3R_ACTIVATION_MAST_CELL_UP
GCM_CRKL, GCM_CRKL
BILD_CTNNB1_ONCOGENIC_SIGNATURE, BILD_CTNNB1_ONCOGENIC_SIGNATURE
GSE25088_CTRL_VS_IL4_STIM_MACROPHAGE_UP, GSE25088_CTRL_VS_IL4_STIM_MACROPHAGE_UP
GCM_BMPR2, GCM_BMPR2
GCM_CHUK, GCM_CHUK
GCM_NUMA1, GCM_NUMA1
MODULE_323, MODULE_323
GAGCCAG_MIR149, GAGCCAG_MIR149
GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP, GSE4748_CTRL_VS_LPS_STIM_DC_3H_UP
GSE27786_LIN_NEG_VS_CD4_TCELL_DN, GSE27786_LIN_NEG_VS_CD4_TCELL_DN
GCM_RBM8A, GCM_RBM8A
GTCTTCC_MIR7, GTCTTCC_MIR7
GCM_DENR, GCM_DENR
BOYAULT_LIVER_CANCER_SUBCLASS_G1_UP, BOYAULT_LIVER_CANCER_SUBCLASS_G1_UP
CAGCCTC_MIR4855P, CAGCCTC_MIR4855P
GCM_DLG1, GCM_DLG1
CTGTTAC_MIR194, CTGTTAC_MIR194
GALE_APL_WITH_FLT3_MUTATED_UP, GALE_APL_WITH_FLT3_MUTATED_UP
GO_PROTEIN_ACETYLATION, GO_PROTEIN_ACETYLATION
GAGACTG_MIR452, GAGACTG_MIR452
GCM_IL6ST, GCM_IL6ST
GCM_FANCL, GCM_FANCL
GCM_TINF2, GCM_TINF2
 LAIHO COLORECTAL CANCER SERRATED DN, LAIHO COLORECTAL CANCER SERRATED DN
GSE3982 MAC_VS_CENT_MEMORY_CD4_TCELL_DN, GSE3982_MAC_VS_CENT_MEMORY_CD4_TCELL_DN
GGCNNMSMYNTTG_UNKNOWN, GGCNNMSMYNTTG_UNKNOWN
GCM_PPM1D, GCM_PPM1D
GSE9946_MATURE_STIMULATORY_VS_LISTERIA_INF_MATURE_DC_UP, GSE9946_MATURE_STIMULATORY_VS_LISTERIA_INF_MATURE_DC_UP
GO_POSTTRANSCRIPTIONAL_GENE_SILENCING, GO_POSTTRANSCRIPTIONAL_GENE_SILENCING
MORF_CNTN1, MORF_CNTN1
GCM_ING1, GCM_ING1
GO_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY, GO_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY
GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_UP, GSE7548_NAIVE_VS_DAY28_PCC_IMMUNIZATION_CD4_TCELL_UP
TNCATNTCCYR_UNKNOWN, TNCATNTCCYR_UNKNOWN
GO HISTONE H4 K16 ACETYLATION, GO HISTONE H4 K16 ACETYLATION
GO_CORE_PROMOTER_BINDING, GO_CORE_PROMOTER_BINDING
GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_DC_UP, GSE19401_UNSTIM_VS_PAM2CSK4_STIM_FOLLICULAR_DC_UP
GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_2H_DN, GSE18791_CTRL_VS_NEWCASTLE_VIRUS_DC_2H_DN
GCM_USP6, GCM_USP6
GO_HISTONE_H4_ACETYLATION, GO_HISTONE_H4_ACETYLATION
JAK2_DN.V1_DN, JAK2_DN.V1_DN
GO_CYSTEINE_TYPE_PEPTIDASE_ACTIVITY, GO_CYSTEINE_TYPE_PEPTIDASE_ACTIVITY
CTCTGGA_MIR520A_MIR525, CTCTGGA_MIR520A_MIR525
MORF_CASP2, MORF_CASP2
GCM_GSTA4, GCM_GSTA4
GCM_SMO, GCM_SMO
CHESLER_BRAIN_QTL_CIS, CHESLER_BRAIN_QTL_CIS
GO_SIGNAL_SEQUENCE_BINDING, GO_SIGNAL_SEQUENCE_BINDING
GO_PHOSPHATIDYLINOSITOL_PHOSPHATE_PHOSPHATASE_ACTIVITY, GO_PHOSPHATIDYLINOSITOL_PHOSPHATE_PHOSPHATASE_ACTIVITY
ACTGCAG_MIR173P, ACTGCAG_MIR173P
GSE17721_CTRL_VS_POLYIC_6H_BMDC_DN, GSE17721_CTRL_VS_POLYIC_6H_BMDC_DN
GSE4142_PLASMA_CELL_VS_GC_BCELL_UP, GSE4142_PLASMA_CELL_VS_GC_BCELL_UP
 GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP, GSE14769_UNSTIM_VS_40MIN_LPS_BMDM_UP
 REACTOME_PI_METABOLISM, REACTOME_PI_METABOLISM
 MORF_PTPN9, MORF_PTPN9
GCM_CASP2, GCM_CASP2
 MORF_PDPK1, MORF_PDPK1
GSE17721_LPS_VS_CPG_2H_BMDC_DN, GSE17721_LPS_VS_CPG_2H_BMDC_DN
 GSE14415 NATURAL TREG VS FOXP3 KO NATURAL TREG DN, GSE14415 NATURAL TREG VS FOXP3 KO NATURAL TREG DN
GSE17721_LPS_VS_CPG_16H_BMDC_UP, GSE17721_LPS_VS_CPG_16H_BMDC_UP
GSE2128_C57BL6_VS_NOD_THYMOCYTE_DN, GSE2128_C57BL6_VS_NOD_THYMOCYTE_DN
GO_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GO_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY
 ATGTAGC_MIR221_MIR222, ATGTAGC_MIR221_MIR222
GO_SIN3_COMPLEX, GO_SIN3_COMPLEX
TGAGATT_MIR216, TGAGATT_MIR216
INAMURA_LUNG_CANCER_SCC_SUBTYPES_UP, INAMURA_LUNG_CANCER_SCC_SUBTYPES_UP
GCM_BCL2L1, GCM_BCL2L1
GSE9946_LISTERIA_INF_MATURE_VS_PROSTAGLANDINE2_TREATED_MATURE_DC_UP, GSE9946_LISTERIA_INF_MATURE_VS_PROSTAGLANDINE2_TREATED_MATURE_DC_UP
GSE43955_1H_VS_60H_ACT_CD4_TCELL_DN, GSE43955_1H_VS_60H_ACT_CD4_TCELL_DN
GO_CCR4_NOT_COMPLEX, GO_CCR4_NOT_COMPLEX
MODULE 493, MODULE 493
DELASERNA_MYOD_TARGETS_UP, DELASERNA_MYOD_TARGETS_UP
BONCI_TARGETS_OF_MIR15A_AND_MIR16_1, BONCI_TARGETS_OF_MIR15A_AND_MIR16_1
YTCCCRNNAGGY_UNKNOWN, YTCCCRNNAGGY_UNKNOWN
GO_SIN3_TYPE_COMPLEX, GO_SIN3_TYPE_COMPLEX
HEN1_02, HEN1_02
GSE9946 IMMATURE VS PROSTAGLANDINE2 TREATED MATURE DC UP, GSE9946 IMMATURE VS PROSTAGLANDINE2 TREATED MATURE DC UP
CTAGGAA_MIR384, CTAGGAA_MIR384
 ATGTTTC_MIR494, ATGTTTC_MIR494
CYCLIN_D1_UP.V1_DN, CYCLIN_D1_UP.V1_DN
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_23, MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_23
GCM_DDX11, GCM_DDX11
REACTOME_PIP3_ACTIVATES_AKT_SIGNALING, REACTOME_PIP3_ACTIVATES_AKT_SIGNALING
GO_RESPONSE_TO_NERVE_GROWTH_FACTOR, GO_RESPONSE_TO_NERVE_GROWTH_FACTOR
MELLMAN_TUT1_TARGETS_DN, MELLMAN_TUT1_TARGETS_DN
GO_NEGATIVE_REGULATION_OF_TRANSFORMING_GROWTH_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GO_NEGATIVE_REGULATION_OF_TRANSFORMING_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GO_NEGATIVE_REGULATION_OF_TRANSFORMING_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GO_NEGATIVE_REGULATION_OF_TRANSFORMING_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GO_NEGATIVE_REGULATION_OF_TRANSFORMING_FACTOR_BETA_RECEPTOR_SIGNALING_PATHWAY, GO_NEGATIVE_REGULATION_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_FACTOR_
REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS, REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS
GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP, GSE34156_TLR1_TLR2_LIGAND_VS_NOD2_AND_TLR1_TLR2_LIGAND_6H_TREATED_MONOCYTE_UP
GO_CORE_PROMOTER_SEQUENCE_SPECIFIC_DNA_BINDING, GO_CORE_PROMOTER_SEQUENCE_SPECIFIC_DNA_BINDING
CHESLER_BRAIN_HIGHEST_GENETIC_VARIANCE, CHESLER_BRAIN_HIGHEST_GENETIC_VARIANCE
PID_MYC_REPRESS_PATHWAY, PID_MYC_REPRESS_PATHWAY
CTACTAG_MIR325, CTACTAG_MIR325
GO_RNA_INTERFERENCE, GO_RNA_INTERFERENCE
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ATGTCAC\_MIR489, ATGTCAC\_MIR489 GO\_LUNG\_CELL\_DIFFERENTIATION, GO\_LUNG\_CELL\_DIFFERENTIATION

GO\_RAL\_GTPASE\_BINDING, GO\_RAL\_GTPASE\_BINDING

GO\_LYSINE\_ACETYLATED\_HISTONE\_BINDING, GO\_LYSINE\_ACETYLATED\_HISTONE\_BINDING

BRACHAT\_RESPONSE\_TO\_CAMPTOTHECIN\_UP, BRACHAT\_RESPONSE\_TO\_CAMPTOTHECIN\_UP

IIZUKA\_LIVER\_CANCER\_PROGRESSION\_G2\_G3\_DN, IIZUKA\_LIVER\_CANCER\_PROGRESSION\_G2\_G3\_DN

GO\_PHOSPHATIDYLINOSITOL\_MONOPHOSPHATE\_PHOSPHATASE\_ACTIVITY, GO\_PHOSPHATIDYLINOSITOL\_MONOPHOSPHATE\_PHOSPHATASE\_ACTIVITY

REACTOME\_DOWNREGULATION\_OF\_TGF\_BETA\_RECEPTOR\_SIGNALING, REACTOME\_DOWNREGULATION\_OF\_TGF\_BETA\_RECEPTOR\_SIGNALING

M\_MLL, GCM\_MLL