```
PODAR_RESPONSE_TO_ADAPHOSTIN_UP, PODAR_RESPONSE_TO_ADAPHOSTIN_UP
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP
SMITH_TERT_TARGETS_UP, SMITH_TERT_TARGETS_UP
ALTEMEIER_RESPONSE_TO_LPS_WITH_MECHANICAL_VENTILATION, ALTEMEIER_RESPONSE_TO_LPS_WITH_MECHANICAL_VENTILATION
WINZEN_DEGRADED_VIA_KHSRP, WINZEN_DEGRADED_VIA_KHSRP
AMIT_EGF_RESPONSE_480_HELA, AMIT_EGF_RESPONSE_480_HELA
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_HSC_UP, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_HSC_UP
DAZARD_RESPONSE_TO_UV_SCC_DN, DAZARD_RESPONSE_TO_UV_SCC_DN
TIEN_INTESTINE_PROBIOTICS_6HR_DN, TIEN_INTESTINE_PROBIOTICS_6HR_DN
BROCKE_APOPTOSIS_REVERSED_BY_IL6, BROCKE_APOPTOSIS_REVERSED_BY_IL6
KIM_WT1_TARGETS_12HR_UP, KIM_WT1_TARGETS_12HR_UP
HUANG_DASATINIB_SENSITIVITY_UP, HUANG_DASATINIB_SENSITIVITY_UP
BLANCO_MELO_COVID19_BRONCHIAL_EPITHELIAL_CELLS_SARS_COV_2_INFECTION_UP, BLANCO_MELO_COVID19_BRONCHIAL_EPITHELIAL_CELLS_SARS_COV_2_INFECTION_UP
SMIRNOV_CIRCULATING_ENDOTHELIOCYTES_IN_CANCER_UP, SMIRNOV_CIRCULATING_ENDOTHELIOCYTES_IN_CANCER_UP
KIM_WT1_TARGETS_8HR_UP, KIM_WT1_TARGETS_8HR_UP
GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN, GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN
NAGASHIMA_EGF_SIGNALING_UP, NAGASHIMA_EGF_SIGNALING_UP
NEMETH_INFLAMMATORY_RESPONSE_LPS_UP, NEMETH_INFLAMMATORY_RESPONSE_LPS_UP
PLASARI_TGFB1_TARGETS_10HR_UP, PLASARI_TGFB1_TARGETS_10HR_UP
PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_DN, PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_DN
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLUE_UP, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLUE_UP
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_UP, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_UP
SAGIV CD24 TARGETS DN, SAGIV CD24 TARGETS DN
FRASOR RESPONSE TO ESTRADIOL DN, FRASOR RESPONSE TO ESTRADIOL DN
RYAN_MANTLE_CELL_LYMPHOMA_NOTCH_DIRECT_UP, RYAN_MANTLE_CELL_LYMPHOMA_NOTCH_DIRECT_UP
CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_DN, CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_DN
AFFAR_YY1_TARGETS_UP, AFFAR_YY1_TARGETS_UP
SMIRNOV_RESPONSE_TO_IR_6HR_UP, SMIRNOV_RESPONSE_TO_IR_6HR_UP
GERY_CEBP_TARGETS, GERY_CEBP_TARGETS
TIAN_TNF_SIGNALING_NOT_VIA_NFKB, TIAN_TNF_SIGNALING_NOT_VIA_NFKB
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_HSC_DN, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_HSC_DN
PHONG_TNF_TARGETS_UP, PHONG_TNF_TARGETS_UP
MOHANKUMAR_HOXA1_TARGETS_DN, MOHANKUMAR_HOXA1_TARGETS_DN
AMIT_SERUM_RESPONSE_120_MCF10A, AMIT_SERUM_RESPONSE_120_MCF10A
PETROVA_ENDOTHELIUM_LYMPHATIC_VS_BLOOD_DN, PETROVA_ENDOTHELIUM_LYMPHATIC_VS_BLOOD_DN
GENTILE_RESPONSE_CLUSTER_D3, GENTILE_RESPONSE_CLUSTER_D3
RASHI_RESPONSE_TO_IONIZING_RADIATION_1, RASHI_RESPONSE_TO_IONIZING_RADIATION_1
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_4, PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_4
WHITFIELD_CELL_CYCLE_M_G1, WHITFIELD_CELL_CYCLE_M_G1
LIN_SILENCED_BY_TUMOR_MICROENVIRONMENT, LIN_SILENCED_BY_TUMOR_MICROENVIRONMENT
FURUKAWA_DUSP6_TARGETS_PCI35_UP, FURUKAWA_DUSP6_TARGETS_PCI35_UP
IVANOVSKA_MIR106B_TARGETS, IVANOVSKA_MIR106B_TARGETS
ZHONG_RESPONSE_TO_AZACITIDINE_AND_TSA_UP, ZHONG_RESPONSE_TO_AZACITIDINE_AND_TSA_UP
SWEET_KRAS_TARGETS_UP, SWEET_KRAS_TARGETS_UP
HUPER_BREAST_BASAL_VS_LUMINAL_UP, HUPER_BREAST_BASAL_VS_LUMINAL_UP
AMIT_EGF_RESPONSE_240_MCF10A, AMIT_EGF_RESPONSE_240_MCF10A
WANG_HCP_PROSTATE_CANCER, WANG_HCP_PROSTATE_CANCER
GERHOLD_ADIPOGENESIS_UP, GERHOLD_ADIPOGENESIS_UP
WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_TBH, WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_TBH
MAHAJAN_RESPONSE_TO_IL1A_DN, MAHAJAN_RESPONSE_TO_IL1A_DN
LAU_APOPTOSIS_CDKN2A_UP, LAU_APOPTOSIS_CDKN2A_UP
MARZEC_IL2_SIGNALING_UP, MARZEC_IL2_SIGNALING_UP
DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_UP, DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_UP
KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_UP, KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_UP
BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_DN, BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_DN
AMIT_EGF_RESPONSE_240_HELA, AMIT_EGF_RESPONSE_240_HELA
HAN_JNK_SINGALING_UP, HAN_JNK_SINGALING_UP
RODRIGUES_DCC_TARGETS_DN, RODRIGUES_DCC_TARGETS_DN
PARK_APL_PATHOGENESIS_DN, PARK_APL_PATHOGENESIS_DN
CHEN_PDGF_TARGETS, CHEN_PDGF_TARGETS
KANNAN_TP53_TARGETS_UP, KANNAN_TP53_TARGETS_UP
MISHRA_CARCINOMA_ASSOCIATED_FIBROBLAST_UP, MISHRA_CARCINOMA_ASSOCIATED_FIBROBLAST_UP
LIU_CMYB_TARGETS_UP, LIU_CMYB_TARGETS_UP
BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_DN, BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_DN
GOZGIT_ESR1_TARGETS_UP, GOZGIT_ESR1_TARGETS_UP
SMIRNOV_RESPONSE_TO_IR_2HR_UP, SMIRNOV_RESPONSE_TO_IR_2HR_UP
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUSTAINED_IN_GRANULOCYTE_UP, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUSTAINED_IN_GRANULOCYTE_UP
TAVOR_CEBPA_TARGETS_DN, TAVOR_CEBPA_TARGETS_DN
JACKSON_DNMT1_TARGETS_UP, JACKSON_DNMT1_TARGETS_UP
WOTTON_RUNX_TARGETS_DN, WOTTON_RUNX_TARGETS_DN
CHEOK_RESPONSE_TO_HD_MTX_DN, CHEOK_RESPONSE_TO_HD_MTX_DN
AMIT_SERUM_RESPONSE_60_MCF10A, AMIT_SERUM_RESPONSE_60_MCF10A
MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP, MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP
CERVERA_SDHB_TARGETS_2, CERVERA_SDHB_TARGETS_2
EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP, EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP
HOELZEL_NF1_TARGETS_UP, HOELZEL_NF1_TARGETS_UP
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_DN, CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_DN
UEDA_PERIFERAL_CLOCK, UEDA_PERIFERAL_CLOCK
LINDSTEDT_DENDRITIC_CELL_MATURATION_B, LINDSTEDT_DENDRITIC_CELL_MATURATION_B
GAZDA_DIAMOND_BLACKFAN_ANEMIA_MYELOID_UP, GAZDA_DIAMOND_BLACKFAN_ANEMIA_MYELOID_UP
NAKAYAMA_FRA2_TARGETS, NAKAYAMA_FRA2_TARGETS
AMIT_SERUM_RESPONSE_240_MCF10A, AMIT_SERUM_RESPONSE_240_MCF10A
TSAI_RESPONSE_TO_RADIATION_THERAPY, TSAI_RESPONSE_TO_RADIATION_THERAPY
GAVIN_FOXP3_TARGETS_CLUSTER_P4, GAVIN_FOXP3_TARGETS_CLUSTER_P4
HENDRICKS_SMARCA4_TARGETS_UP, HENDRICKS_SMARCA4_TARGETS_UP
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_1, YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_1
COULOUARN_TEMPORAL_TGFB1_SIGNATURE_UP, COULOUARN_TEMPORAL_TGFB1_SIGNATURE_UP
BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_DN, BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_DN
KIM LIVER CANCER POOR SURVIVAL UP, KIM LIVER CANCER POOR SURVIVAL UP
LIU_SOX4_TARGETS_UP, LIU_SOX4_TARGETS_UP
SCHOEN_NFKB_SIGNALING, SCHOEN_NFKB_SIGNALING
PEDERSEN_TARGETS_OF_611CTF_ISOFORM_OF_ERBB2, PEDERSEN_TARGETS_OF_611CTF_ISOFORM_OF_ERBB2
HALMOS CEBPA TARGETS DN, HALMOS CEBPA TARGETS DN
WANG_ESOPHAGUS_CANCER_VS_NORMAL_UP, WANG_ESOPHAGUS_CANCER_VS_NORMAL_UP
AMIT_EGF_RESPONSE_40_HELA, AMIT_EGF_RESPONSE_40_HELA
HUMMERICH_SKIN_CANCER_PROGRESSION_UP, HUMMERICH_SKIN_CANCER_PROGRESSION_UP
LUI_THYROID_CANCER_CLUSTER_1, LUI_THYROID_CANCER_CLUSTER_1
QI_HYPOXIA, QI_HYPOXIA
SEKI_INFLAMMATORY_RESPONSE_LPS_UP, SEKI_INFLAMMATORY_RESPONSE_LPS_UP
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_DN, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_DN
WU_HBX_TARGETS_2_DN, WU_HBX_TARGETS_2_DN
BASSO_CD40_SIGNALING_DN, BASSO_CD40_SIGNALING_DN
GESERICK_TERT_TARGETS_DN, GESERICK_TERT_TARGETS_DN
MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP, MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP
LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_DN, LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_DN
BOYLAN_MULTIPLE_MYELOMA_C_DN, BOYLAN_MULTIPLE_MYELOMA_C_DN
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_TURQUOISE_UP, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_TURQUOISE_UP
YAMAZAKI_TCEB3_TARGETS_UP, YAMAZAKI_TCEB3_TARGETS_UP
CROONQUIST_STROMAL_STIMULATION_UP, CROONQUIST_STROMAL_STIMULATION_UP
DAUER_STAT3_TARGETS_UP, DAUER_STAT3_TARGETS_UP
BASSO_CD40_SIGNALING_UP, BASSO_CD40_SIGNALING_UP
CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP, CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP
CHUANG_OXIDATIVE_STRESS_RESPONSE_UP, CHUANG_OXIDATIVE_STRESS_RESPONSE_UP
BLANCO MELO COVID19 SARS COV 2 LOW MOI INFECTION A594 ACE2 EXPRESSING CELLS UP, BLANCO MELO COVID19 SARS COV 2 LOW MOI INFECTION A594 ACE2 EXPRES
DORN_ADENOVIRUS_INFECTION_12HR_UP, DORN_ADENOVIRUS_INFECTION_12HR_UP
WIERENGA_STAT5A_TARGETS_GROUP2, WIERENGA_STAT5A_TARGETS_GROUP2
FARDIN_HYPOXIA_11, FARDIN_HYPOXIA_11
KAPOSI_LIVER_CANCER_MET_UP, KAPOSI_LIVER_CANCER_MET_UP
TSUNODA_CISPLATIN_RESISTANCE_DN, TSUNODA_CISPLATIN_RESISTANCE_DN
OUYANG_PROSTATE_CANCER_PROGRESSION_UP, OUYANG_PROSTATE_CANCER_PROGRESSION_UP
HOFMANN_CELL_LYMPHOMA_DN, HOFMANN_CELL_LYMPHOMA_DN
WU_HBX_TARGETS_2_UP, WU_HBX_TARGETS_2_UP
MOROSETTI_FACIOSCAPULOHUMERAL_MUSCULAR_DISTROPHY_UP, MOROSETTI_FACIOSCAPULOHUMERAL_MUSCULAR_DISTROPHY_UP
HELLER_SILENCED_BY_METHYLATION_DN, HELLER_SILENCED_BY_METHYLATION_DN
CORRE_MULTIPLE_MYELOMA_UP, CORRE_MULTIPLE_MYELOMA_UP
MURAKAMI_UV_RESPONSE_6HR_DN, MURAKAMI_UV_RESPONSE_6HR_DN
LEE_NAIVE_T_LYMPHOCYTE, LEE_NAIVE_T_LYMPHOCYTE
KRIGE_AMINO_ACID_DEPRIVATION, KRIGE_AMINO_ACID_DEPRIVATION
WANG_METHYLATED_IN_BREAST_CANCER, WANG_METHYLATED_IN_BREAST_CANCER
UEDA_CENTRAL_CLOCK, UEDA_CENTRAL_CLOCK
ASTIER_INTEGRIN_SIGNALING, ASTIER_INTEGRIN_SIGNALING
SASSON_RESPONSE_TO_FORSKOLIN_UP, SASSON_RESPONSE_TO_FORSKOLIN_UP
MORI_PRE_BI_LYMPHOCYTE_DN, MORI_PRE_BI_LYMPHOCYTE_DN
GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_DN, GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_DN
GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_UP, GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_UP
HINATA_NFKB_TARGETS_FIBROBLAST_UP, HINATA_NFKB_TARGETS_FIBROBLAST_UP
DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMS_DN, DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMS_DN
NOJIMA_SFRP2_TARGETS_UP, NOJIMA_SFRP2_TARGETS_UP
NAKAMURA_ADIPOGENESIS_LATE_UP, NAKAMURA_ADIPOGENESIS_LATE_UP
SHIPP_DLBCL_CURED_VS_FATAL_UP, SHIPP_DLBCL_CURED_VS_FATAL_UP
PHONG_TNF_RESPONSE_VIA_P38_PARTIAL, PHONG_TNF_RESPONSE_VIA_P38_PARTIAL
XU_HGF_SIGNALING_NOT_VIA_AKT1_6HR, XU_HGF_SIGNALING_NOT_VIA_AKT1_6HR
KIM_RESPONSE_TO_TSA_AND_DECITABINE_UP, KIM_RESPONSE_TO_TSA_AND_DECITABINE_UP
FOSTER_TOLERANT_MACROPHAGE_UP, FOSTER_TOLERANT_MACROPHAGE_UP
GROSS_HYPOXIA_VIA_ELK3_DN, GROSS_HYPOXIA_VIA_ELK3_DN
LUI_THYROID_CANCER_CLUSTER_2, LUI_THYROID_CANCER_CLUSTER_2
ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_DN, ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_DN
KIM_HYPOXIA, KIM_HYPOXIA
GRAHAM_CML_QUIESCENT_VS_NORMAL_DIVIDING_UP, GRAHAM_CML_QUIESCENT_VS_NORMAL_DIVIDING_UP
KOBAYASHI_EGFR_SIGNALING_6HR_DN, KOBAYASHI_EGFR_SIGNALING_6HR_DN
DORN_ADENOVIRUS_INFECTION_24HR_DN, DORN_ADENOVIRUS_INFECTION_24HR_DN
```

SHAFFER_IRF4_TARGETS_IN_PLASMA_CELL_VS_MATURE_B_LYMPHOCYTE, SHAFFER_IRF4_TARGETS_IN_PLASMA_CELL_VS_MATURE_B_LYMPHOCYTE

JINESH_BLEBBISHIELD_TRANSFORMED_STEM_CELL_SPHERES_UP, JINESH_BLEBBISHIELD_TRANSFORMED_STEM_CELL_SPHERES_UP

GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_MAGENTA_UP, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_MAGENTA_UP

ZHU_CMV_8_HR_UP, ZHU_CMV_8_HR_UP

MENSE_HYPOXIA_UP, MENSE_HYPOXIA_UP

AMIT_EGF_RESPONSE_120_HELA, AMIT_EGF_RESPONSE_120_HELA

LEE_NEURAL_CREST_STEM_CELL_DN, LEE_NEURAL_CREST_STEM_CELL_DN

DOANE_BREAST_CANCER_ESR1_UP, DOANE_BREAST_CANCER_ESR1_UP

HOSHIDA_LIVER_CANCER_SURVIVAL_UP, HOSHIDA_LIVER_CANCER_SURVIVAL_UP

RODRIGUES_NTN1_AND_DCC_TARGETS, RODRIGUES_NTN1_AND_DCC_TARGETS

BROWNE_HCMV_INFECTION_8HR_UP, BROWNE_HCMV_INFECTION_8HR_UP

BECKER_TAMOXIFEN_RESISTANCE_UP, BECKER_TAMOXIFEN_RESISTANCE_UP

AMIT EGF RESPONSE 60 MCF10A, AMIT EGF RESPONSE 60 MCF10A

MAINA_VHL_TARGETS_DN, MAINA_VHL_TARGETS_DN

SESTO_RESPONSE_TO_UV_C5, SESTO_RESPONSE_TO_UV_C5

BILBAN B CLL LPL DN, BILBAN B CLL LPL DN

GAJATE RESPONSE TO TRABECTEDIN_UP, GAJATE RESPONSE TO TRABECTEDIN_UP

CEBALLOS_TARGETS_OF_TP53_AND_MYC_UP, CEBALLOS_TARGETS_OF_TP53_AND_MYC_UP

MISSIAGLIA_REGULATED_BY_METHYLATION_UP, MISSIAGLIA_REGULATED_BY_METHYLATION_UP

SASSON RESPONSE TO GONADOTROPHINS DN, SASSON RESPONSE TO GONADOTROPHINS DN

BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_DN, BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_DN CHEN_LVAD_SUPPORT_OF_FAILING_HEART_UP, CHEN_LVAD_SUPPORT_OF_FAILING_HEART_UP

THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP, THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP

G1_SIGNALING_UP, NAGASHIMA_NRG1_SIGNALING_UP