```
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_DN, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_DN
                                                                                                     VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_UP, VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_UP
                                                                                                     NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_UP, NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_UP
                                                                                                     TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_DN, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_DN
                                                                                                     BROWN_MYELOID_CELL_DEVELOPMENT_UP, BROWN_MYELOID_CELL_DEVELOPMENT_UP
                                                                                                     BLANCO_MELO_COVID19_BRONCHIAL_EPITHELIAL_CELLS_SARS_COV_2_INFECTION_UP, BLANCO_MELO_COVID19_BRONCHIAL_EPITHELIAL_CELLS_SAR
                                                                                                     PODAR_RESPONSE_TO_ADAPHOSTIN_UP, PODAR_RESPONSE_TO_ADAPHOSTIN_UP
                                                                                                     VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_DN, VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_DN
                                                                                                     TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_HSC_UP, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_HSC_UP
                                                                                                     MEBARKI_HCC_PROGENITOR_WNT_UP, MEBARKI_HCC_PROGENITOR_WNT_UP
                                                                                                     TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_UP, TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_UP
                                                                                                     VERHAAK_AML_WITH_NPM1_MUTATED_UP, VERHAAK_AML_WITH_NPM1_MUTATED_UP
                                                                                                     ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP, ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP
                                                                                                     LIAN_LIPA_TARGETS_6M, LIAN_LIPA_TARGETS_6M
                                                                                                     TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_UP
                                                                                                     CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_DN, CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_DN
                                                                                                     AMIT_SERUM_RESPONSE_60_MCF10A, AMIT_SERUM_RESPONSE_60_MCF10A
                                                                                                     MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP, MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP
                                                                                                     APPEL IMATINIB RESPONSE, APPEL IMATINIB RESPONSE
                                                                                                     ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_DN, ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_DN
                                                                                                     LIAN_LIPA_TARGETS_3M, LIAN_LIPA_TARGETS_3M
                                                                                                     NAGASHIMA_EGF_SIGNALING_UP, NAGASHIMA_EGF_SIGNALING_UP
                                                                                                     GAURNIER_PSMD4_TARGETS, GAURNIER_PSMD4_TARGETS
                                                                                                     ELVIDGE_HYPOXIA_UP, ELVIDGE_HYPOXIA_UP
                                                                                                     KOBAYASHI_EGFR_SIGNALING_6HR_DN, KOBAYASHI_EGFR_SIGNALING_6HR_DN
                                                                                                     PETROVA_ENDOTHELIUM_LYMPHATIC_VS_BLOOD_DN, PETROVA_ENDOTHELIUM_LYMPHATIC_VS_BLOOD_DN
                                                                                                     NEMETH_INFLAMMATORY_RESPONSE_LPS_UP, NEMETH_INFLAMMATORY_RESPONSE_LPS_UP
                                                                                                     LINDSTEDT DENDRITIC CELL MATURATION D, LINDSTEDT DENDRITIC CELL MATURATION D
                                                                                                     ADDYA_ERYTHROID_DIFFERENTIATION_BY_HEMIN, ADDYA_ERYTHROID_DIFFERENTIATION_BY_HEMIN
                                                                                                     TSAI_RESPONSE_TO_RADIATION_THERAPY, TSAI_RESPONSE_TO_RADIATION_THERAPY
                                                                                                     GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN, GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN
                                                                                                     OKUMURA_INFLAMMATORY_RESPONSE_LPS, OKUMURA_INFLAMMATORY_RESPONSE_LPS
                                                                                                     ALCALAY_AML_BY_NPM1_LOCALIZATION_UP, ALCALAY_AML_BY_NPM1_LOCALIZATION_UP
                                                                                                     BEIER_GLIOMA_STEM_CELL_DN, BEIER_GLIOMA_STEM_CELL_DN
                                                                                                     HELLEBREKERS_SILENCED_DURING_TUMOR_ANGIOGENESIS, HELLEBREKERS_SILENCED_DURING_TUMOR_ANGIOGENESIS
                                                                                                     SAGIV_CD24_TARGETS_DN, SAGIV_CD24_TARGETS_DN
                                                                                                     WU_CELL_MIGRATION, WU_CELL_MIGRATION
                                                                                                     ELVIDGE_HYPOXIA_BY_DMOG_UP, ELVIDGE_HYPOXIA_BY_DMOG_UP
                                                                                                     ONDER_CDH1_TARGETS_3_DN, ONDER_CDH1_TARGETS_3_DN
                                                                                                     LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_UP, LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_UP
                                                                                                     WINZEN_DEGRADED_VIA_KHSRP, WINZEN_DEGRADED_VIA_KHSRP
                                                                                                     BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_DN, BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_DN
                                                                                                     LINDGREN_BLADDER_CANCER_CLUSTER_2A_DN, LINDGREN_BLADDER_CANCER_CLUSTER_2A_DN
                                                                                                     WANG ESOPHAGUS CANCER VS NORMAL UP, WANG ESOPHAGUS CANCER VS NORMAL UP
                                                                                                     AMIT_EGF_RESPONSE_60_HELA, AMIT_EGF_RESPONSE_60_HELA
                                                                                                     HESS_TARGETS_OF_HOXA9_AND_MEIS1_DN, HESS_TARGETS_OF_HOXA9_AND_MEIS1_DN
                                                                                                     GILDEA_METASTASIS, GILDEA_METASTASIS
                                                                                                     SMIRNOV_RESPONSE_TO_IR_2HR_UP, SMIRNOV_RESPONSE_TO_IR_2HR_UP
                                                                                                     ALTEMEIER_RESPONSE_TO_LPS_WITH_MECHANICAL_VENTILATION, ALTEMEIER_RESPONSE_TO_LPS_WITH_MECHANICAL_VENTILATION
                                                                                                     HENDRICKS SMARCA4_TARGETS_UP, HENDRICKS_SMARCA4_TARGETS_UP
                                                                                                     PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_1, PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_1
                                                                                                     HELLER_SILENCED_BY_METHYLATION_DN, HELLER_SILENCED_BY_METHYLATION_DN
                                                                                                     GAZDA_DIAMOND_BLACKFAN_ANEMIA_MYELOID_UP, GAZDA_DIAMOND_BLACKFAN_ANEMIA_MYELOID_UP
                                                                                                     TAVOR_CEBPA_TARGETS_UP, TAVOR_CEBPA_TARGETS_UP
                                                                                                     CORRE_MULTIPLE_MYELOMA_UP, CORRE_MULTIPLE_MYELOMA_UP
                                                                                                     BROWNE_HCMV_INFECTION_24HR_UP, BROWNE_HCMV_INFECTION_24HR_UP
                                                                                                     GOUYER_TATI_TARGETS_UP, GOUYER_TATI_TARGETS_UP
                                                                                                     IZADPANAH_STEM_CELL_ADIPOSE_VS_BONE_UP, IZADPANAH_STEM_CELL_ADIPOSE_VS_BONE_UP
                                                                                                     LI_PROSTATE_CANCER_EPIGENETIC, LI_PROSTATE_CANCER_EPIGENETIC
                                                                                                     ZHAN_V2_LATE_DIFFERENTIATION_GENES, ZHAN_V2_LATE_DIFFERENTIATION_GENES
                                                                                                     SUH_COEXPRESSED_WITH_ID1_AND_ID2_UP, SUH_COEXPRESSED_WITH_ID1_AND_ID2_UP
                                                                                                     VALK_AML_CLUSTER_9, VALK_AML_CLUSTER_9
                                                                                                     MEBARKI_HCC_PROGENITOR_WNT_UP_BLOCKED_BY_FZD8CRD, MEBARKI_HCC_PROGENITOR_WNT_UP_BLOCKED_BY_FZD8CRD
                                                                                                     WILENSKY_RESPONSE_TO_DARAPLADIB, WILENSKY_RESPONSE_TO_DARAPLADIB
                                                                                                     AMBROSINI_FLAVOPIRIDOL_TREATMENT_TP53, AMBROSINI_FLAVOPIRIDOL_TREATMENT_TP53
                                                                                                     FARDIN_HYPOXIA_11, FARDIN_HYPOXIA_11
                                                                                                     ROSS_AML_WITH_CBFB_MYH11_FUSION, ROSS_AML_WITH_CBFB_MYH11_FUSION
                                                                                                     BLANCO_MELO_COVID19_BRONCHIAL_EPITHELIAL_CELLS_SARS_COV_2_INFECTION_DN, BLANCO_MELO_COVID19_BRONCHIAL_EPITHELIAL_CELLS_SAF
                                                                                                     VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP, VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP
DOTHELIOCYTES_IN_CANCER_UP, SMIRNOV_CIRCULATING_ENDOTHELIOCYTES_IN_CANCER_UP
                                                                                                     KRIGE_AMINO_ACID_DEPRIVATION, KRIGE_AMINO_ACID_DEPRIVATION
                                                                                                     WIERENGA_STAT5A_TARGETS_GROUP2, WIERENGA_STAT5A_TARGETS_GROUP2
                                                                                                     WATANABE_COLON_CANCER_MSI_VS_MSS_UP, WATANABE_COLON_CANCER_MSI_VS_MSS_UP
                                                                                                     KIM_HYPOXIA, KIM_HYPOXIA
                                                                                                     SABATES_COLORECTAL_ADENOMA_UP, SABATES_COLORECTAL_ADENOMA_UP
                                                                                                     RHEIN_ALL_GLUCOCORTICOID_THERAPY_UP, RHEIN_ALL_GLUCOCORTICOID_THERAPY_UP
                                                                                                     ZHAN_V1_LATE_DIFFERENTIATION_GENES_UP, ZHAN_V1_LATE_DIFFERENTIATION_GENES_UP
                                                                                                     FOSTER_TOLERANT_MACROPHAGE_UP, FOSTER_TOLERANT_MACROPHAGE_UP
                                                                                                     AMIT_SERUM_RESPONSE_240_MCF10A, AMIT_SERUM_RESPONSE_240_MCF10A
                                                                                                     PHONG_TNF_TARGETS_UP, PHONG_TNF_TARGETS_UP
                                                                                                     WEINMANN_ADAPTATION_TO_HYPOXIA_DN, WEINMANN_ADAPTATION_TO_HYPOXIA_DN
                                                                                                     DORSEY_GAB2_TARGETS, DORSEY_GAB2_TARGETS
                                                                                                     RASHI_RESPONSE_TO_IONIZING_RADIATION_1, RASHI_RESPONSE_TO_IONIZING_RADIATION_1
                                                                                                     THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP, THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP
                                                                                                     BOSCO_ALLERGEN_INDUCED_TH2_ASSOCIATED_MODULE, BOSCO_ALLERGEN_INDUCED_TH2_ASSOCIATED_MODULE
                                                                                                     LANDIS_ERBB2_BREAST_TUMORS_65_UP, LANDIS_ERBB2_BREAST_TUMORS_65_UP
                                                                                                     HAHTOLA_MYCOSIS_FUNGOIDES_CD4_UP, HAHTOLA_MYCOSIS_FUNGOIDES_CD4_UP
                                                                                                     KASLER_HDAC7_TARGETS_2_DN, KASLER_HDAC7_TARGETS_2_DN
                                                                                                     PLASARI_TGFB1_TARGETS_10HR_UP, PLASARI_TGFB1_TARGETS_10HR_UP
                                                                                                     CROONQUIST_STROMAL_STIMULATION_UP, CROONQUIST_STROMAL_STIMULATION_UP
                                                                                                     AMIT_EGF_RESPONSE_40_HELA, AMIT_EGF_RESPONSE_40_HELA
                                                                                                     SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP, SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP
                                                                                                     TORCHIA TARGETS OF EWSR1 FLI1 FUSION TOP20 UP, TORCHIA TARGETS OF EWSR1 FLI1 FUSION TOP20 UP
                                                                                                     LE_SKI_TARGETS_UP, LE_SKI_TARGETS_UP
                                                                                                     SASAI_RESISTANCE_TO_NEOPLASTIC_TRANSFROMATION, SASAI_RESISTANCE_TO_NEOPLASTIC_TRANSFROMATION
                                                                                                     KIM_WT1_TARGETS_12HR_UP, KIM_WT1_TARGETS_12HR_UP
                                                                                                     AMIT_DELAYED_EARLY_GENES, AMIT_DELAYED_EARLY_GENES
                                                                                                     BOYLAN_MULTIPLE_MYELOMA_C_DN, BOYLAN_MULTIPLE_MYELOMA_C_DN
                                                                                                     LIEN_BREAST_CARCINOMA_METAPLASTIC, LIEN_BREAST_CARCINOMA_METAPLASTIC
                                                                                                     BRUECKNER_TARGETS_OF_MIRLET7A3_DN, BRUECKNER_TARGETS_OF_MIRLET7A3_DN
                                                                                                     WOO_LIVER_CANCER_RECURRENCE_UP, WOO_LIVER_CANCER_RECURRENCE_UP
                                                                                                     LY_AGING_MIDDLE_UP, LY_AGING_MIDDLE_UP
                                                                                                     OSADA ASCL1 TARGETS DN, OSADA ASCL1 TARGETS DN
                                                                                                     LINDSTEDT_DENDRITIC_CELL_MATURATION_B, LINDSTEDT_DENDRITIC_CELL_MATURATION_B
                                                                                                     CHEN_HOXA5_TARGETS_6HR_UP, CHEN_HOXA5_TARGETS_6HR_UP
                                                                                                     ISSAEVA_MLL2_TARGETS, ISSAEVA_MLL2_TARGETS
                                                                                                     YAMASHITA_METHYLATED_IN_PROSTATE_CANCER, YAMASHITA_METHYLATED_IN_PROSTATE_CANCER
                                                                                                     WU_HBX_TARGETS_1_DN, WU_HBX_TARGETS_1_DN
                                                                                                     CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_UP, CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_UP
                                                                                                     FRASOR RESPONSE TO ESTRADIOL DN, FRASOR RESPONSE TO ESTRADIOL DN
                                                                                                     VALK_AML_CLUSTER_10, VALK_AML_CLUSTER_10
                                                                                                     VALK_AML_CLUSTER_5, VALK_AML_CLUSTER_5
                                                                                                     BROWNE_HCMV_INFECTION_6HR_UP, BROWNE_HCMV_INFECTION_6HR_UP
                                                                                                     BOYAULT_LIVER_CANCER_SUBCLASS_G56_DN, BOYAULT_LIVER_CANCER_SUBCLASS_G56_DN
                                                                                                     LEE NEURAL CREST STEM CELL DN, LEE NEURAL CREST STEM CELL DN
                                                                                                     ENGELMANN_CANCER_PROGENITORS_UP, ENGELMANN_CANCER_PROGENITORS_UP
                                                                                                     YAGI_AML_SURVIVAL, YAGI_AML_SURVIVAL
                                                                                                     VARELA_ZMPSTE24_TARGETS_UP, VARELA_ZMPSTE24_TARGETS_UP
                                                                                                     SCHOEN_NFKB_SIGNALING, SCHOEN_NFKB_SIGNALING
                                                                                                     BAELDE_DIABETIC_NEPHROPATHY_UP, BAELDE_DIABETIC_NEPHROPATHY_UP
                                                                                                     LINDVALL_IMMORTALIZED_BY_TERT_DN, LINDVALL_IMMORTALIZED_BY_TERT_DN
                                                                                                     GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_UP, GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_UP
                                                                                                     GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_UP, GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_UP
                                                                                                     BROWNE_HCMV_INFECTION_24HR_DN, BROWNE_HCMV_INFECTION_24HR_DN
                                                                                                     MUELLER_METHYLATED_IN_GLIOBLASTOMA, MUELLER_METHYLATED_IN_GLIOBLASTOMA
                                                                                                     IVANOVA_HEMATOPOIESIS_STEM_CELL, IVANOVA_HEMATOPOIESIS_STEM_CELL
                                                                                                     YAGI_AML_RELAPSE_PROGNOSIS, YAGI_AML_RELAPSE_PROGNOSIS
                                                                                                     GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_PINK_DN, GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_PINK_DN
                                                                                                     TUOMISTO_TUMOR_SUPPRESSION_BY_COL13A1_DN, TUOMISTO_TUMOR_SUPPRESSION_BY_COL13A1_DN
                                                                                                     BERENJENO_TRANSFORMED_BY_RHOA_REVERSIBLY_DN, BERENJENO_TRANSFORMED_BY_RHOA_REVERSIBLY_DN
                                                                                                     BROWNE_HCMV_INFECTION_2HR_UP, BROWNE_HCMV_INFECTION_2HR_UP
                                                                                                     HUANG_FOXA2_TARGETS_UP, HUANG_FOXA2_TARGETS_UP
                                                                                                     NAKAJIMA_EOSINOPHIL, NAKAJIMA_EOSINOPHIL
                                                                                                     AMIT_EGF_RESPONSE_60_MCF10A, AMIT_EGF_RESPONSE_60_MCF10A
                                                                                                     TIAN_TNF_SIGNALING_NOT_VIA_NFKB, TIAN_TNF_SIGNALING_NOT_VIA_NFKB
                                                                                                     JEON_SMAD6_TARGETS_UP, JEON_SMAD6_TARGETS_UP
                                                                                                     MCBRYAN_PUBERTAL_TGFB1_TARGETS_DN, MCBRYAN_PUBERTAL_TGFB1_TARGETS_DN
                                                                                                     JI_METASTASIS_REPRESSED_BY_STK11, JI_METASTASIS_REPRESSED_BY_STK11
                                                                                                     EHRLICH_ICF_SYNDROM_UP, EHRLICH_ICF_SYNDROM_UP
                                                                                                     RUAN_RESPONSE_TO_TNF_TROGLITAZONE_UP, RUAN_RESPONSE_TO_TNF_TROGLITAZONE_UP
```

JISON_SICKLE_CELL_DISEASE_UP, JISON_SICKLE_CELL_DISEASE_UP