

	REACTOME_HOMOLOGY_DIRECTED_REPAIR, REACTOME_HOMOLOGY_DIRECTED_REPAIR GSE3920_IFNB_VS_IFNG_TREATED_ENDOTHELIAL_CELL_DN, GSE3920_IFNB_VS_IFNG_TREATED_ENDOTHELIAL_CELL_DN GSE30083_SPL_VS_SP4_THYMOCYTE_DN, GSE30083_SPL_VS_SP4_THYMOCYTE_DN GSE29949_DC_BRAIN_VS_THYMOCYTE_BONE_MARROW_UP, GSE29949_DC_BRAIN_VS_MONOCYTE_BONE_MARROW_UP GSE40443_INDUCED_VS_TOTAL_TREG_DN, GSE40443_INDUCED_VS_TOTAL_TREG_DN GSE10240_IL17_VS_IL17_AND_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_UP, GSE10240_IL17_VS_IL17_AND_IL22_STIM_PRIMARY_BRONCHIAL_EPITHELIAL_CELLS_UP GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP, GSE20366_EX_VIVO_VS_DEC205_CONVERSION_NAIVE_CD4_TCELL_UP GSE40274_CTRL_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP, GSE40274_CTRL_VS_FOXP3_AND_EOS_TRANSDUCED_ACTIVATED_CD4_TCELL_UP REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS, REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR, REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN, GSE21670_TGFB_VS_IL6_TREATED_STAT3_KO_CD4_TCELL_DN TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP, TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP GSE7852_TREG_VS_TCONV_LN_DN, GSE7852_TREG_VS_TCONV_LN_DN GOBP_INTERSTRAND_CROSS_LINK_REPAIR, GOBP_INTERSTRAND_CROSS_LINK_REPAIR GSE3920_UNTREATED_VS_IFNA_TREATED_ENDOTHELIAL_CELL_DN, GSE3920_UNTREATED_VS_IFNA_TREATED_ENDOTHELIAL_CELL_DN GSE3920_IFNA_VS_IFNG_TREATED_ENDOTHELIAL_CELL_DN, GSE3920_IFNA_VS_IFNG_TREATED_ENDOTHELIAL_CELL_DN GSE30083_SPL_VS_SP3_THYMOCYTE_DN, GSE30083_SPL_VS_SP3_THYMOCYTE_DN GOBP_POSTREPLICATION_REPAIR, GOBP_POSTREPLICATION_REPAIR GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_LEF1_VS_FOXP3_AND_LEF1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_DN, ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_DN GOBP_DNA_SYNTHESIS_INVOLVED_IN_DNA_REPAIR, GOBP_DNA_SYNTHESIS_INVOLVED_IN_DNA_REPAIR ERWIN_COHEN_BLOOD_VACCINE_TC_83_AGE_23_48YO_VACCINATED_VS_CONTROL_7DY_UP, ERWIN_COHEN_BLOOD_VACCINE_TC_83_AGE_23_48YO_VACCINATED_VS_CONTROL_7DY_UP GSE10211_UV_INACT_SENDAI_VS_LIVE_SENDAI_VIRUS_TRACHEAL_EPITHELIAL_CELLS_UP, GSE10211_UV_INACT_SENDAI_VS_LIVE_SENDAI_VIRUS_TRACHEAL_EPITHELIAL_CELLS_UP REACTOME_FANCONI_ANEMIA_PATHWAY, REACTOME_FANCONI_ANEMIA_PATHWAY QUEREC_PBMCM_YF_17D_VACCINE_AGE_18_45YO_3DY_UP, QUEREC_PBMCM_YF_17D_VACCINE_AGE_18_45YO_3DY_UP QUEREC_PBMCM_YF_17D_VACCINE_AGE_18_45YO_7DY_UP, QUEREC_PBMCM_YF_17D_VACCINE_AGE_18_45YO_7DY_UP GSE30083_SPL_VS_SP2_THYMOCYTE_DN, GSE30083_SPL_VS_SP2_THYMOCYTE_DN XIE_ST_HSC_S1PR3_OE_UP, XIE_ST_HSC_S1PR3_OE_UP GOBP_TRANSLESION_SYNTHESIS, GOBP_TRANSLESION_SYNTHESIS GSE20366_TREG_VS_NAIVE_CD4_TCELL_DEC205_CONVERSION_DN, GSE20366_TREG_VS_NAIVE_CD4_TCELL_DEC205_CONVERSION_DN CHAF1A_TARGET_GENES, CHAF1A_TARGET_GENES HP_LIMITED_ELBOW_MOVEMENT, HP_LIMITED_ELBOW_MOVEMENT HP_EXTERNAL_EAR_MALFORMATION, HP_EXTERNAL_EAR_MALFORMATION GOCC_TRANSCRIPTION_ELONGATION_FACTOR_COMPLEX, GOCC_TRANSCRIPTION_ELONGATION_FACTOR_COMPLEX HP_ABNORMALITY_OF_THE_WRIST, HP_ABNORMALITY_OF_THE_WRIST HP_BICORNUATE_UTERUS, HP_BICORNUATE_UTERUS HP_APLASIA_HYPOPLASIA_OF_THE_ULNA, HP_APLASIA_HYPOPLASIA_OF_THE_ULNA GSE21546_UNSTM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP, GSE21546_UNSTM_VS_ANTI_CD3_STIM_ELK1_KO_DP_THYMOCYTES_UP HP_ABNORMALITY_OF_LIMB_EPIPHYSIS_MORPHOLOGY, HP_ABNORMALITY_OF_LIMB_EPIPHYSIS_MORPHOLOGY GSE40274_SATB1_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN, GSE40274_SATB1_VS_FOXP3_AND_SATB1_TRANSDUCED_ACTIVATED_CD4_TCELL_DN GSE46242_CTRL_VS_EGR2_DELETED_TH1_CD4_TCELL_DN, GSE46242_CTRL_VS_EGR2_DELETED_TH1_CD4_TCELL_DN GOBP_REGULATION_OF_PROTEIN_DEPOLYMERIZATION, GOBP_REGULATION_OF_PROTEIN_DEPOLYMERIZATION GOMF_LIGASE_ACTIVITY_FORMING_CARBON_SULFUR_BONDS, GOMF_LIGASE_ACTIVITY_FORMING_CARBON_SULFUR_BONDS HP_PREAAXIAL_HAND_POLYDACTYL, HP_PREAAXIAL_HAND_POLYDACTYL HECKER_IFNB1_TARGETS, HECKER_IFNB1_TARGETS HP_ABNORMAL_MORPHOLOGY_OF_THE_RADIUS, HP_ABNORMAL_MORPHOLOGY_OF_THE_RADIUS MIR6801_5P, MIR6801_5P CHEBOTAEV_GR_TARGETS_UP, CHEBOTAEV_GR_TARGETS_UP MIR4689, MIR4689 MIR10393_3P, MIR10393_3P GSE37416_CTRL_VS_0H_F_TULARENSIS_LVS_NEUTROPHIL_UP, GSE37416_CTRL_VS_0H_F_TULARENSIS_LVS_NEUTROPHIL_UP MIR3127_5P, MIR3127_5P DAUER_STAT3_TARGETS_DN, DAUER_STAT3_TARGETS_DN MOSERLE_IFNA_RESPONSE, MOSERLE_IFNA_RESPONSE MODULE_208, MODULE_208 HP_APLASIA_HYPOPLASIA_INVOLVING_THE_VERTEBRAL_COLUMN, HP_APLASIA_HYPOPLASIA_INVOLVING_THE_VERTEBRAL_COLUMN GOBP_DNA_LIGATION, GOBP_DNA_LIGATION HP_RHIZOMELIA, HP_RHIZOMELIA NIKOLSKY_BREAST_CANCER_7P22_AMPLICON, NIKOLSKY_BREAST_CANCER_7P22_AMPLICON HP_ARRHINENCEPHALY, HP_ARRHINENCEPHALY NAKAYA_PBMCM_FLUAD_IMUVAC_MALE_AGE_14_27YO_CORRELATED_WITH_HAI_RESPONSE_MF59_ADJUVANTED_AND_NON_IDY_GENES_IN_BTMM75_POSITIVE, NAKAYA_PBMCM_FLUAD_IMUVAC_MALE_AGE_14_27YO_CORRELATED_WITH_HAI_RESPONSE_MF59_ADJUVANTED_AND_NON_IDY_GENES_IN_BTMM75_POSITIVE KEGG_HOMOLOGOUS_RECOMBINATION, KEGG_HOMOLOGOUS_RECOMBINATION HP_WORMIAN_BONES, HP_WORMIAN_BONES GOMF_DNA_DIRECTED_DNA_POLYMERASE_ACTIVITY, GOMF_DNA_DIRECTED_DNA_POLYMERASE_ACTIVITY MIR1236_5P, MIR1236_5P HP_ABSENT_FOREARM_BONE, HP_ABSENT_FOREARM_BONE chr7p22, chr7p22 HP_ANOPHTHALMIA, HP_ANOPHTHALMIA GOBP_ACIDIC_AMINO_ACID_TRANSPORT, GOBP_ACIDIC_AMINO_ACID_TRANSPORT HP_DISPROPORTIONATE_SHORT_LIMB_SHORT_STATUTE, HP_DISPROPORTIONATE_SHORT_LIMB_SHORT_STATUTE GOBP_PRIMARY_ALCOHOL_METABOLIC_PROCESS, GOBP_PRIMARY_ALCOHOL_METABOLIC_PROCESS GYORFFY_MITOXANTRONE_RESISTANCE, GYORFFY_MITOXANTRONE_RESISTANCE LIANG_SILENCED_BY_METHYLATION_2, LIANG_SILENCED_BY_METHYLATION_2 REACTOME_GLYCOGEN_METABOLISM, REACTOME_GLYCOGEN_METABOLISM HP_ABNORMAL_HEAD_MOVEMENTS, HP_ABNORMAL_HEAD_MOVEMENTS ERWIN_COHEN_PBMCM_TC_83_AGE_18_45YO_RESPONDERS_PREVIOUSLY_IMMUNIZED_24HR_DEG_CANONICAL_PATHWAY_MEMBERS_UP, ERWIN_COHEN_PBMCM_TC_83_AGE_18_45YO_RESPONDERS_PREVIOUSLY_IMMUNIZED_24HR_DEG_CANONICAL_PATHWAY_MEMBERS_UP HP_APLASIA_HYPOPLASIA_OF_THE_EYELID, HP_APLASIA_HYPOPLASIA_OF_THE_EYELID ONO_FOXP3_TARGETS_DN, ONO_FOXP3_TARGETS_DN MASSARWEH_RESPONSE_TO ESTRADIOL, MASSARWEH_RESPONSE_TO ESTRADIOL GOBP_NEURON_PROJECTION_EXTENSION_INVOLVED_IN_NEURON_PROJECTION_GUIDANCE, GOBP_NEURON_PROJECTION_EXTENSION_INVOLVED_IN_NEURON_PROJECTION_GUIDANCE GOBP_DOPAMINE_SECRETION, GOBP_DOPAMINE_SECRETION MODULE_202, MODULE_202 SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_UP, SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_UP HP_COXA_VARA, HP_COXA_VARA KRASNOSELSKAYA_ILF3_TARGETS_DN, KRASNOSELSKAYA_ILF3_TARGETS_DN HP_METAPHYSEAL_STRIATIONS, HP_METAPHYSEAL_STRIATIONS GOBP_NEGATIVE_CHEMOTAXIS, GOBP_NEGATIVE_CHEMOTAXIS GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_48H_UP, GSE2770_UNTREATED_VS_TGFB_AND_IL4_TREATED_ACT_CD4_TCELL_48H_UP HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_IDY_UP, HOEK_NEUTROPHIL_2011_2012_TIV_ADULT_IDY_UP HP_PANCREATIC_ENDOCRINE_TUMOR, HP_PANCREATIC_ENDOCRINE_TUMOR HP_HYPOPIGMENTED_MACULE, HP_HYPOPIGMENTED_MACULE HP_GENU_VARUM, HP_GENU_VARUM HP_DECREASED_SKULL_OSSIFICATION, HP_DECREASED_SKULL_OSSIFICATION CAFFAREL_RESPONSE_TO_THC_24HR_3_DN, CAFFAREL_RESPONSE_TO_THC_24HR_3_DN ERWIN_COHEN_PBMCM_TC_83_AGE_18_45YO_NON_RESPONDERS_PREVIOUSLY_IMMUNIZED_24HR_DEG_CANONICAL_PATHWAY_MEMBERS_UP, ERWIN_COHEN_PBMCM_TC_83_AGE_18_45YO_NON_RESPONDERS_PREVIOUSLY_IMMUNIZED_24HR_DEG_CANONICAL_PATHWAY_MEMBERS_UP HP_MESOMELIA, HP_MESOMELIA HP_TITUBATION, HP_TITUBATION ZHANG_INTERFERON_RESPONSE, ZHANG_INTERFERON_RESPONSE GOBP_PLASMA_MEMBRANE_REPAIR, GOBP_PLASMA_MEMBRANE_REPAIR GOBP_POSITIVE_REGULATION_OF_OSTEOLAST_PROLIFERATION, GOBP_POSITIVE_REGULATION_OF_OSTEOLAST_PROLIFERATION GSE12507_PDC_CELL_LINE_VS_JMMATUE_T_CELL_LINE_DN, GSE12507_PDC_CELL_LINE_VS_JMMATUE_T_CELL_LINE_DN DESCARTES_MAIN_FETAL_SATELLITE_CELLS, DESCARTES_MAIN_FETAL_SATELLITE_CELLS HP_APLASIA_HYPOPLASIA_OF_THE_HUMERUS, HP_APLASIA_HYPOPLASIA_OF_THE_HUMERUS COLE_BLOOD_FLUMIST_QUADRIVALENT_AGE_03_17YO_7DY_UP, COLE_BLOOD_FLUMIST_QUADRIVALENT_AGE_03_17YO_7DY_UP HP_STENOSIS_OF_THE_EXTERNAL_AUDITORY_CANAL, HP_STENOSIS_OF_THE_EXTERNAL_AUDITORY_CANAL GOBP_SINGLE_STRAND_BREAK_REPAIR, GOBP_SINGLE_STRAND_BREAK_REPAIR NEWMAN_ERCC6_TARGETS_UP, NEWMAN_ERCC6_TARGETS_UP HP_ABSENT_EYEBROW, HP_ABSENT_EYEBROW HP_HAND_OLIGODACTYL, HP_HAND_OLIGODACTYL REACTOME_HS_GAG_DEGRADATION, REACTOME_HS_GAG_DEGRADATION ROETH_TERT_TARGETS_UP, ROETH_TERT_TARGETS_UP HP_ESOPHAGEAL_ATRESIA, HP_ESOPHAGEAL_ATRESIA GOBP_CARDIAC_MUSCLE_FIBER_DEVELOPMENT, GOBP_CARDIAC_MUSCLE_FIBER_DEVELOPMENT HP_APLASIA_HYPOPLASIA_OF_THE_COLON, HP_APLASIA_HYPOPLASIA_OF_THE_COLON HP_OVERTUBULATED_LONG_BONES, HP_OVERTUBULATED_LONG_BONES GOBP_REGULATION_OF_SYNAPTIC_VESICLE_PRIMING, GOBP_REGULATION_OF_SYNAPTIC_VESICLE_PRIMING GOBP_ISOPRENOID_CATABOLIC_PROCESS, GOBP_ISOPRENOID_CATABOLIC_PROCESS GOBP_REGULATION_OF_OSTEOLAST_PROLIFERATION, GOBP_REGULATION_OF_OSTEOLAST_PROLIFERATION GOBP_POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_DEVELOPMENT, GOBP_POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_DEVELOPMENT HP_SEVERE_FAILURE_TO_THRIVE, HP_SEVERE_FAILURE_TO_THRIVE GOBP_REGULATION_OF_RNA_POLYMERASE_II_REGULATORY_REGION_SEQUENCE_SPECIFIC_DNA_BINDING, GOBP_REGULATION_OF_RNA_POLYMERASE_II_REGULATORY_REGION_SEQUENCE_SPECIFIC_DNA_BINDING HP_LIMITED_ELBOW_EXTENSION, HP_LIMITED_ELBOW_EXTENSION HP_SHORT_FEMUR, HP_SHORT_FEMUR HP_UNERUPTED_TOOTH, HP_UNERUPTED_TOOTH GOMF_WNT_ACTIVATED_RECEPTOR_ACTIVITY, GOMF_WNT_ACTIVATED_RECEPTOR_ACTIVITY HP_RAYNAUD_PHENOMENON, HP_RAYNAUD_PHENOMENON GOBP_CATECHOLAMINE_SECRETION, GOBP_CATECHOLAMINE_SECRETION GOBP_TERPENOID_CATABOLIC_PROCESS, GOBP_TERPENOID_CATABOLIC_PROCESS GOBP_OSTEOLAST_PROLIFERATION, GOBP_OSTEOLAST_PROLIFERATION KANG_FLUOROURACIL_RESISTANCE_DN, KANG_FLUOROURACIL_RESISTANCE_DN GOBP_HEMOGLOBIN_METABOLIC_PROCESS, GOBP_HEMOGLOBIN_METABOLIC_PROCESS HP_FEMALE_HYPOGONADISM, HP_FEMALE_HYPOGONADISM HP_HETEROTAXY, HP_HETEROTAXY GOCC_MICROTUBULE_ORGANIZING_CENTER_ATTACHMENT_SITE, GOCC_MICROTUBULE_ORGANIZING_CENTER_ATTACHMENT_SITE GOBP_MAINTENANCE_OF_SYNAPSE_STRUCTURE, GOBP_MAINTENANCE_OF_SYNAPSE_STRUCTURE HP_ABNORMAL_LEFT_ATRIUM_MORPHOLOGY, HP_ABNORMAL_LEFT_ATRIUM_MORPHOLOGY GOCC_CHLORIDE_CHANNEL_COMPLEX, GOCC_CHLORIDE_CHANNEL_COMPLEX SRC_UP_V1_UP, SRC_UP_V1_UP GOBP_NLRP3_INFLAMMASOME_COMPLEX_ASSEMBLY, GOBP_NLRP3_INFLAMMASOME_COMPLEX_ASSEMBLY HP_IMPACTED_TOOTH, HP_IMPACTED_TOOTH SCHERER_PBMCM_APSV_WETVAX_AGE_18_40YO_5_TO_7DY_DN, SCHERER_PBMCM_APSV_WETVAX_AGE_18_40YO_5_TO_7DY_DN KEGG_STARCH_AND_SUCROSE_METABOLISM, KEGG_STARCH_AND_SUCROSE_METABOLISM HP_PERSONALITY_DISORDER, HP_PERSONALITY_DISORDER HP_ANTERIOR_CHAMBER_SYNECHIAE, HP_ANTERIOR_CHAMBER_SYNECHIAE GNF2_RAB3A, GNF2_RAB3A HP_ABNORMAL_PLACENTAL_SIZE, HP_ABNORMAL_PLACENTAL_SIZE GOCC_INHIBITORY_SYNAPSE, GOCC_INHIBITORY_SYNAPSE HP_AORTIC_VALVE_CALCIFICATION, HP_AORTIC_VALVE_CALCIFICATION GOBP_ACROSOMAL_VESICLE_EXOCYTOSIS, GOBP_ACROSOMAL_VESICLE_EXOCYTOSIS HP_SMALL_PLACENTA, HP_SMALL_PLACENTA GOBP_atrial_septum_development, GOBP_atrial_septum_development GOBP_REGULATION_OF_VENTRICULAR_CARDIAC_MUSCLE_CELL_MEMBRANE_REPOLARIZATION, GOBP_REGULATION_OF_VENTRICULAR_CARDIAC_MUSCLE_CELL_MEMBRANE_REPOLARIZATION HP_SHORT_UMBILICAL_CORD, HP_SHORT_UMBILICAL_CORD HP_CERVICAL_KYPHOSIS, HP_CERVICAL_KYPHOSIS HP_ABNORMAL_CERVICAL_CURVATURE, HP_ABNORMAL_CERVICAL_CURVATURE GOBP_REGULATION_OF_SYNAPTIC_VESICLE_FUSION_TO_PRESYNAPTIC_ACTIVE_ZONE_MEMBRANE, GOBP_REGULATION_OF_SYNAPTIC_VESICLE_FUSION_TO_PRESYNAPTIC_ACTIVE_ZONE_MEMBRANE GOBP_VENTRICULAR_CARDIAC_MUSCLE_CELL_MEMBRANE_REPOLARIZATION, GOBP_VENTRICULAR_CARDIAC_MUSCLE_CELL_MEMBRANE_REPOLARIZATION GOMF_STRUCTURAL_CONSTITUENT_OF_POSTSYNAPSE, GOMF_STRUCTURAL_CONSTITUENT_OF_POSTSYNAPSE HP_ABNORMALITY_OF_THE_UMBILICAL_CORD, HP_ABNORMALITY_OF_THE_UMBILICAL_CORD HOEK_MONOCYTE_2011_2012_TIV_ADULT_3DY_DN, HOEK_MONOCYTE_2011_2012_TIV_ADULT_3DY_DN HP_LARGE_PLACENTA, HP_LARGE_PLACENTA LIU_CDX2_TARGETS_UP, LIU_CDX2_TARGETS_UP GOMF_CHOLINE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY, GOMF_CHOLINE_TRANSMEMBRANE_TRANSPORTER_ACTIVITY chr3p24, chr3p24 chr7q33, chr7q33
NB_TREATED_ENDOTHELIAL_CELL_DN, GSE3920_UNTREATED_VS_IFNB_TREATED_ENDOTHELIAL_CELL_DN	