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REACTOME_EUKARYOTIC_TRANSLATION_INITIATION, REACTOME_EUKARYOTIC_TRANSLATION_INITIATION
 REACTOME_SELENOAMINO_ACID_METABOLISM, REACTOME_SELENOAMINO_ACID_METABOLISM
 REACTOME_CELLULAR_RESPONSE_TO_STARVATION, REACTOME_CELLULAR_RESPONSE_TO_STARVATION
 KEGG_RIBOSOME, KEGG_RIBOSOME
 REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE, REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE
 REACTOME_RESPONSE_OF_EIF2AK4_GCN2_TO_AMINO_ACID_DEFICIENCY, REACTOME_RESPONSE_OF_EIF2AK4_GCN2_TO_AMINO_ACID_DEFICIENCY
 REACTOME_NONSENSE_MEDIATED_DECAY_NMD, REACTOME_NONSENSE_MEDIATED_DECAY_NMD
 REACTOME_REGULATION_OF_EXPRESSION_OF_SLITS_AND_ROBOS, REACTOME_REGULATION_OF_EXPRESSION_OF_SLITS_AND_ROBOS
 WP_CYTOPLASMIC_RIBOSOMAL_PROTEINS, WP_CYTOPLASMIC_RIBOSOMAL_PROTEINS
 BILANGES_SERUM_AND_RAPAMYCIN_SENSITIVE_GENES, BILANGES_SERUM_AND_RAPAMYCIN_SENSITIVE_GENES
 JISON_SICKLE_CELL_DISEASE_DN, JISON_SICKLE_CELL_DISEASE_DN
 CHNG_MULTIPLE_MYELOMA_HYPERPLOID_UP, CHNG_MULTIPLE_MYELOMA_HYPERPLOID_UP
 REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP_BINDING_COMPLEX_AND_EIFS_AND_SUBSEQUENT_BINDING_TO_43S, REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP_BINDING_COMPLEX_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS_AND_EIFS
 REACTOME RRNA MODIFICATION IN THE NUCLEUS AND CYTOSOL, REACTOME RRNA MODIFICATION IN THE NUCLEUS AND CYTOSOL
 GAVIN_FOXP3_TARGETS_CLUSTER_T7, GAVIN_FOXP3_TARGETS_CLUSTER_T7
 PECE_MAMMARY_STEM_CELL_UP, PECE_MAMMARY_STEM_CELL_UP
 LUI_TARGETS_OF_PAX8_PPARG_FUSION, LUI_TARGETS_OF_PAX8_PPARG_FUSION
 TAKAO_RESPONSE_TO_UVB_RADIATION_UP, TAKAO_RESPONSE_TO_UVB_RADIATION_UP
 TIEN_INTESTINE_PROBIOTICS_6HR_UP, TIEN_INTESTINE_PROBIOTICS_6HR_UP
 FERNANDEZ_BOUND_BY_MYC, FERNANDEZ_BOUND_BY_MYC
 IRITANI_MAD1_TARGETS_DN, IRITANI_MAD1_TARGETS_DN
 LUI THYROID CANCER CLUSTER 3, LUI THYROID CANCER CLUSTER 3
 FLOTHO_PEDIATRIC_ALL_THERAPY_RESPONSE_UP, FLOTHO_PEDIATRIC_ALL_THERAPY_RESPONSE_UP
 LUI_THYROID_CANCER_PAX8_PPARG_DN, LUI_THYROID_CANCER_PAX8_PPARG_DN
 REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER, REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER
 HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_UP, HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_UP
 YAMASHITA_LIVER_CANCER_WITH_EPCAM_UP, YAMASHITA_LIVER_CANCER_WITH_EPCAM_UP
  ACEVEDO_NORMAL_TISSUE_ADJACENT_TO_LIVER_TUMOR_UP, ACEVEDO_NORMAL_TISSUE_ADJACENT_TO_LIVER_TUMOR_UP
  BLANCO_MELO_INFLUENZA_A_INFECTION_A594_CELLS_DN, BLANCO_MELO_INFLUENZA_A_INFECTION_A594_CELLS_DN
 REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A, REACTOME_APC_CDC20_MEDIATED_DEGRADATION_OF_NEK2A
 REACTOME_PINK1_PRKN_MEDIATED_MITOPHAGY, REACTOME_PINK1_PRKN_MEDIATED_MITOPHAGY
 REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_METHYLATION, REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_METHYLATION
 TONG_INTERACT_WITH_PTTG1, TONG_INTERACT_WITH_PTTG1
 REACTOME_MITOPHAGY, REACTOME_MITOPHAGY
 REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYMES, REACTOME_SYNTHESIS_OF_ACTIVE_UBIQUITIN_ROLES_OF_E1_AND_E2_ENZYMES
 POMEROY_MEDULLOBLASTOMA_PROGNOSIS_DN, POMEROY_MEDULLOBLASTOMA_PROGNOSIS_DN
 REACTOME_INACTIVATION_OF_CSF3_G_CSF_SIGNALING, REACTOME_INACTIVATION_OF_CSF3_G_CSF_SIGNALING
 ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBROBLAST, ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBROBLAST
 REACTOME_METALLOPROTEASE_DUBS, REACTOME_METALLOPROTEASE_DUBS
  ANDERSEN_LIVER_CANCER_KRT19_UP, ANDERSEN_LIVER_CANCER_KRT19_UP
 BILANGES_SERUM_RESPONSE_TRANSLATION, BILANGES_SERUM_RESPONSE_TRANSLATION
 REACTOME_NOD1_2_SIGNALING_PATHWAY, REACTOME_NOD1_2_SIGNALING_PATHWAY
 JOHANSSON_GLIOMAGENESIS_BY_PDGFB_UP, JOHANSSON_GLIOMAGENESIS_BY_PDGFB_UP
 REACTOME_SIGNALING_BY_CSF3_G_CSF, REACTOME_SIGNALING_BY_CSF3_G_CSF
 REACTOME TRANSLATION OF SARS COV 1 STRUCTURAL PROTEINS, REACTOME TRANSLATION OF SARS COV 1 STRUCTURAL PROTEINS
 WATANABE_RECTAL_CANCER_RADIOTHERAPY_RESPONSIVE_UP, WATANABE_RECTAL_CANCER_RADIOTHERAPY_RESPONSIVE_UP
 HOEBEKE LYMPHOID STEM CELL DN, HOEBEKE LYMPHOID STEM CELL DN
 REACTOME_ALPHA_PROTEIN_KINASE_1_SIGNALING_PATHWAY, REACTOME_ALPHA_PROTEIN_KINASE_1_SIGNALING_PATHWAY
 REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B, REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B
 REACTOME_ONCOGENE_INDUCED_SENESCENCE, REACTOME_ONCOGENE_INDUCED_SENESCENCE
 KYNG_RESPONSE_TO_H2O2, KYNG_RESPONSE_TO_H2O2
 LINDGREN_BLADDER_CANCER_CLUSTER_1_UP, LINDGREN_BLADDER_CANCER_CLUSTER_1_UP
KAYO_AGING_MUSCLE_DN, KAYO_AGING_MUSCLE_DN
BILANGES_RAPAMYCIN_SENSITIVE_GENES, BILANGES_RAPAMYCIN_SENSITIVE_GENES
 PURBEY TARGETS OF CTBP1 AND SATB1 UP, PURBEY TARGETS OF CTBP1 AND SATB1 UP
 REACTOME_TRANSLESION_SYNTHESIS_BY_POLK, REACTOME_TRANSLESION_SYNTHESIS_BY_POLK
 REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1, REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_MEDIATED_BY_ACTIVATED_HUMAN_TAK1
 REACTOME REGULATION OF TP53 EXPRESSION AND DEGRADATION, REACTOME REGULATION OF TP53 EXPRESSION AND DEGRADATION
 REACTOME_CALNEXIN_CALRETICULIN_CYCLE, REACTOME_CALNEXIN_CALRETICULIN_CYCLE
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ANSLATION ELONGATION, REACTOME EUKARYOTIC TRANSLATION ELONGATION

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REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_AND_ACTIVATION_OF_IKKS_COMPLEX, REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_AND_ACTIVATION_OF_IKKS_COMPLEX
REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY, REACTOME_TNFR1_INDUCED_NFKAPPAB_SIGNALING_PATHWAY
REACTOME_IRAK2_MEDIATED_ACTIVATION_OF_TAK1_COMPLEX, REACTOME_IRAK2_MEDIATED_ACTIVATION_OF_TAK1_COMPLEX
REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS, REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS
REACTOME_TNF_SIGNALING, REACTOME_TNF_SIGNALING
REACTOME_SMAD2_SMAD4_HETEROTRIMER_REGULATES_TRANSCRIPTION, REACTOME_SMAD2_SMAD4_HETEROTRIMER_REGULATES_TRANSCRIPTION
REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVITY, REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVITY
HILLION_HMGA1B_TARGETS, HILLION_HMGA1B_TARGETS
REACTOME_TICAM1_TRAF6_DEPENDENT_INDUCTION_OF_TAK1_COMPLEX, REACTOME_TICAM1_TRAF6_DEPENDENT_INDUCTION_OF_TAK1_COMPLEX
REACTOME_NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING, REACTOME_NEGATIVE_REGULATORS_OF_DDX58_IFIH1_SIGNALING
REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER, REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HETEROTRIMER
BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_UP, BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_UP
REACTOME_ACTIVATED_TAK1_MEDIATES_P38_MAPK_ACTIVATION, REACTOME_ACTIVATED_TAK1_MEDIATES_P38_MAPK_ACTIVATION
REACTOME_RESPONSE_OF_MTB_TO_PHAGOCYTOSIS, REACTOME_RESPONSE_OF_MTB_TO_PHAGOCYTOSIS
REACTOME_DOWNREGULATION_OF_TGF_BETA_RECEPTOR_SIGNALING, REACTOME_DOWNREGULATION_OF_TGF_BETA_RECEPTOR_SIGNALING
REACTOME_ACTIVATED_NOTCH1_TRANSMITS_SIGNAL_TO_THE_NUCLEUS, REACTOME_ACTIVATED_NOTCH1_TRANSMITS_SIGNAL_TO_THE_NUCLEUS
REACTOME_TRAF6_MEDIATED_INDUCTION_OF_TAK1_COMPLEX_WITHIN_TLR4_COMPLEX, REACTOME_TRAF6_MEDIATED_INDUCTION_OF_TAK1_COMPLEX_WITHIN_TLR4_COMPLEX
REACTOME_SARS_COV_1_INFECTION, REACTOME_SARS_COV_1_INFECTION
REACTOME_TRANSLESION_SYNTHESIS_BY_POLH, REACTOME_TRANSLESION_SYNTHESIS_BY_POLH
WANG_PROSTATE_CANCER_ANDROGEN_INDEPENDENT, WANG_PROSTATE_CANCER_ANDROGEN_INDEPENDENT
DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_DN, DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_DN
TOMLINS_PROSTATE_CANCER_UP, TOMLINS_PROSTATE_CANCER_UP
VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_DN, VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_DN
REACTOME_NEGATIVE_REGULATION_OF_MET_ACTIVITY, REACTOME_NEGATIVE_REGULATION_OF_MET_ACTIVITY
BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_DN, BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_DN
REACTOME_P75NTR_SIGNALS_VIA_NF_KB, REACTOME_P75NTR_SIGNALS_VIA_NF_KB
DIRMEIER_LMP1_RESPONSE_LATE_DN, DIRMEIER_LMP1_RESPONSE_LATE_DN
SWEET_KRAS_ONCOGENIC_SIGNATURE, SWEET_KRAS_ONCOGENIC_SIGNATURE
REACTOME_REGULATION_OF_SIGNALING_BY_CBL, REACTOME_REGULATION_OF_SIGNALING_BY_CBL
REACTOME NRIF SIGNALS CELL DEATH FROM THE NUCLEUS, REACTOME NRIF SIGNALS CELL DEATH FROM THE NUCLEUS
REACTOME_SIGNALING_BY_EGFR, REACTOME_SIGNALING_BY_EGFR
REACTOME_DOWNREGULATION_OF_ERBB2_SIGNALING, REACTOME_DOWNREGULATION_OF_ERBB2_SIGNALING
THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP, THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP
REACTOME_JOSEPHIN_DOMAIN_DUBS, REACTOME_JOSEPHIN_DOMAIN_DUBS
REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS, REACTOME_RIPK1_MEDIATED_REGULATED_NECROSIS
REACTOME_MAP3K8_TPL2_DEPENDENT_MAPK1_3_ACTIVATION, REACTOME_MAP3K8_TPL2_DEPENDENT_MAPK1_3_ACTIVATION
REACTOME_ER_QUALITY_CONTROL_COMPARTMENT_ERQC, REACTOME_ER_QUALITY_CONTROL_COMPARTMENT_ERQC
REACTOME_DEACTIVATION_OF_THE_BETA_CATENIN_TRANSACTIVATING_COMPLEX, REACTOME_DEACTIVATION_OF_THE_BETA_CATENIN_TRANSACTIVATING_COMPLEX
BILANGES_SERUM_SENSITIVE_GENES, BILANGES_SERUM_SENSITIVE_GENES
HEDENFALK_BREAST_CANCER_BRACX_UP, HEDENFALK_BREAST_CANCER_BRACX_UP
REACTOME_PROTEIN_METHYLATION, REACTOME_PROTEIN_METHYLATION
REACTOME NF KB IS ACTIVATED AND SIGNALS SURVIVAL, REACTOME NF KB IS ACTIVATED AND SIGNALS SURVIVAL
REACTOME_INFECTION_WITH_MYCOBACTERIUM_TUBERCULOSIS, REACTOME_INFECTION_WITH_MYCOBACTERIUM_TUBERCULOSIS
REACTOME_NOTCH3_ACTIVATION_AND_TRANSMISSION_OF_SIGNAL_TO_THE_NUCLEUS, REACTOME_NOTCH3_ACTIVATION_AND_TRANSMISSION_OF_SIGNAL_TO_THE_NUCLEUS
REACTOME_FLT3_SIGNALING_IN_DISEASE, REACTOME_FLT3_SIGNALING_IN_DISEASE
REACTOME OVARIAN TUMOR DOMAIN PROTEASES, REACTOME OVARIAN TUMOR DOMAIN PROTEASES
BYSTROEM_CORRELATED_WITH_IL5_UP, BYSTROEM_CORRELATED_WITH_IL5_UP
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