```
GSE17721_CTRL_VS_POLYIC_12H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_12H_BMDC_UP
GSE17721_CTRL_VS_LPS_24H_BMDC_DN, GSE17721_CTRL_VS_LPS_24H_BMDC_DN
GSE17721_0.5H_VS_4H_CPG_BMDC_UP, GSE17721_0.5H_VS_4H_CPG_BMDC_UP
GSE17721_CTRL_VS_LPS_4H_BMDC_UP, GSE17721_CTRL_VS_LPS_4H_BMDC_UP
GSE17721_CTRL_VS_POLYIC_6H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_6H_BMDC_UP
GSE17721_CTRL_VS_LPS_2H_BMDC_UP, GSE17721_CTRL_VS_LPS_2H_BMDC_UP
GSE17721_0.5H_VS_4H_LPS_BMDC_UP, GSE17721_0.5H_VS_4H_LPS_BMDC_UP
GSE17721_CTRL_VS_GARDIQUIMOD_0.5H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_0.5H_BMDC_UP
GSE17721_CTRL_VS_PAM3CSK4_1H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_1H_BMDC_UP
GSE17721_CTRL_VS_LPS_1H_BMDC_UP, GSE17721_CTRL_VS_LPS_1H_BMDC_UP
GSE17721_0.5H_VS_8H_LPS_BMDC_UP, GSE17721_0.5H_VS_8H_LPS_BMDC_UP
GSE17721_CTRL_VS_CPG_1H_BMDC_UP, GSE17721_CTRL_VS_CPG_1H_BMDC_UP
GSE17721_CTRL_VS_CPG_4H_BMDC_UP, GSE17721_CTRL_VS_CPG_4H_BMDC_UP
GSE17721_0.5H_VS_4H_POLYIC_BMDC_DN, GSE17721_0.5H_VS_4H_POLYIC_BMDC_DN
GSE17721_CTRL_VS_GARDIQUIMOD_4H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_4H_BMDC_UP
GSE17721_CTRL_VS_LPS_8H_BMDC_UP, GSE17721_CTRL_VS_LPS_8H_BMDC_UP
GSE17721_CTRL_VS_LPS_6H_BMDC_UP, GSE17721_CTRL_VS_LPS_6H_BMDC_UP
GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL6_KO_MACROPHAGE_45MIN_DN, GSE5589_LPS_AND_IL10_VS_LPS_AND_IL6_STIM_IL6_KO_MACROPHAGE_45MIN_DN
GSE17721_CTRL_VS_PAM3CSK4_12H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_12H_BMDC_UP
GSE17721_CTRL_VS_PAM3CSK4_8H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_8H_BMDC_UP
GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_4H_BMDC_UP
GSE19198_CTRL_VS_IL21_TREATED_TCELL_24H_DN, GSE19198_CTRL_VS_IL21_TREATED_TCELL_24H_DN
GSE17721_CTRL_VS_LPS_12H_BMDC_UP, GSE17721_CTRL_VS_LPS_12H_BMDC_UP
GSE17721_CTRL_VS_CPG_12H_BMDC_UP, GSE17721_CTRL_VS_CPG_12H_BMDC_UP
GSE17721_CTRL_VS_PAM3CSK4_0.5H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_0.5H_BMDC_UP
GSE17721_CTRL_VS_PAM3CSK4_6H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_6H_BMDC_UP
GSE17721_LPS_VS_PAM3CSK4_24H_BMDC_DN, GSE17721_LPS_VS_PAM3CSK4_24H_BMDC_DN
GSE17721_CTRL_VS_CPG_2H_BMDC_UP, GSE17721_CTRL_VS_CPG_2H_BMDC_UP
GSE7831_UNSTIM_VS_INFLUENZA_STIM_PDC_4H_DN, GSE7831_UNSTIM_VS_INFLUENZA_STIM_PDC_4H_DN
GSE17721_CTRL_VS_CPG_6H_BMDC_UP, GSE17721_CTRL_VS_CPG_6H_BMDC_UP
GSE17721_CTRL_VS_POLYIC_1H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_1H_BMDC_UP
GSE17721_0.5H_VS_4H_POLYIC_BMDC_UP, GSE17721_0.5H_VS_4H_POLYIC_BMDC_UP
GSE17721_CTRL_VS_PAM3CSK4_24H_BMDC_UP, GSE17721_CTRL_VS_PAM3CSK4_24H_BMDC_UP
GSE17721_CTRL_VS_LPS_24H_BMDC_UP, GSE17721_CTRL_VS_LPS_24H_BMDC_UP
GSE17721_CTRL_VS_POLYIC_2H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_2H_BMDC_UP
GSE17721_CTRL_VS_GARDIQUIMOD_24H_BMDC_UP, GSE17721_CTRL_VS_GARDIQUIMOD_24H_BMDC_UP
GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_DN, GSE21927_SPLEEN_VS_C26GM_TUMOR_MONOCYTE_BALBC_DN
GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TREATED_UP, GSE37533_PPARG1_FOXP3_VS_PPARG2_FOXP3_TRANSDUCED_CD4_TCELL_PIOGLITAZONE_TF
GSE14308_TH1_VS_NAIVE_CD4_TCELL_DN, GSE14308_TH1_VS_NAIVE_CD4_TCELL_DN
HP_IRRITABILITY, HP_IRRITABILITY
GSE43956_WT_VS_SGK1_KO_TH17_DIFFERENTIATED_CD4_TCELL_UP, GSE43956_WT_VS_SGK1_KO_TH17_DIFFERENTIATED_CD4_TCELL_UP
GUO_TARGETS_OF_IRS1_AND_IRS2, GUO_TARGETS_OF_IRS1_AND_IRS2
KEGG_RENAL_CELL_CARCINOMA, KEGG_RENAL_CELL_CARCINOMA
RASHI_RESPONSE_TO_IONIZING_RADIATION_5, RASHI_RESPONSE_TO_IONIZING_RADIATION_5
GSE17721_CTRL_VS_GARDIQUIMOD_0.5H_BMDC_DN, GSE17721_CTRL_VS_GARDIQUIMOD_0.5H_BMDC_DN
GSE17721_LPS_VS_GARDIQUIMOD_0.5H_BMDC_DN, GSE17721_LPS_VS_GARDIQUIMOD_0.5H_BMDC_DN
MIR624_5P, MIR624_5P
HOSHIDA_LIVER_CANCER_SURVIVAL_DN, HOSHIDA_LIVER_CANCER_SURVIVAL_DN
HP_KNEE_FLEXION_CONTRACTURE, HP_KNEE_FLEXION_CONTRACTURE
HP_CUTANEOUS_PHOTOSENSITIVITY, HP_CUTANEOUS_PHOTOSENSITIVITY
PCGF6_TARGET_GENES, PCGF6_TARGET_GENES
GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN, GSE43955_1H_VS_60H_ACT_CD4_TCELL_WITH_TGFB_IL6_DN
REACTOME ONCOGENIC MAPK SIGNALING, REACTOME ONCOGENIC MAPK SIGNALING
HP_LIMITED_ELBOW_MOVEMENT, HP_LIMITED_ELBOW_MOVEMENT
MIR196A_5P_MIR196B_5P, MIR196A_5P_MIR196B_5P
BCAT_GDS748_DN, BCAT_GDS748_DN
HP_ABNORMAL_CIRCULATING_FATTY_ACID_CONCENTRATION, HP_ABNORMAL_CIRCULATING_FATTY_ACID_CONCENTRATION
HP INCREASED INTRACRANIAL PRESSURE, HP INCREASED INTRACRANIAL PRESSURE
PID_TRKR_PATHWAY, PID_TRKR_PATHWAY
REACTOME_SELECTIVE_AUTOPHAGY, REACTOME_SELECTIVE_AUTOPHAGY
GOBP_REGULATION_OF_ERBB_SIGNALING_PATHWAY, GOBP_REGULATION_OF_ERBB_SIGNALING_PATHWAY
GOBP_LIPID_OXIDATION, GOBP_LIPID_OXIDATION
WP_CHOLESTEROL_BIOSYNTHESIS_PATHWAY, WP_CHOLESTEROL_BIOSYNTHESIS_PATHWAY
GOBP_FATTY_ACID_TRANSMEMBRANE_TRANSPORT, GOBP_FATTY_ACID_TRANSMEMBRANE_TRANSPORT
GOBP_CELLULAR_MODIFIED_AMINO_ACID_METABOLIC_PROCESS, GOBP_CELLULAR_MODIFIED_AMINO_ACID_METABOLIC_PROCESS
PID_EPHB_FWD_PATHWAY, PID_EPHB_FWD_PATHWAY
HP_ABNORMALITY_OF_VISUAL_EVOKED_POTENTIALS, HP_ABNORMALITY_OF_VISUAL_EVOKED_POTENTIALS
MODULE_432, MODULE_432
GOBP_RESPONSE_TO_X_RAY, GOBP_RESPONSE_TO_X_RAY
REACTOME_AGGREPHAGY, REACTOME_AGGREPHAGY
MIR1976, MIR1976
GOMF_SCAFFOLD_PROTEIN_BINDING, GOMF_SCAFFOLD_PROTEIN_BINDING
MIR4330, MIR4330
LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_UP, LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_UP
HP_AGNOSIA, HP_AGNOSIA
chr1q22, chr1q22
HP_MALE_SEXUAL_DYSFUNCTION, HP_MALE_SEXUAL_DYSFUNCTION
GOCC_CAVEOLA, GOCC_CAVEOLA
HP_CARDIAC_DIVERTICULUM, HP_CARDIAC_DIVERTICULUM
GOBP_REGULATION_OF_SYNAPTIC_VESICLE_EXOCYTOSIS, GOBP_REGULATION_OF_SYNAPTIC_VESICLE_EXOCYTOSIS
MIR550A_3P, MIR550A_3P
HP_ABNORMAL_AUDITORY_EVOKED_POTENTIALS, HP_ABNORMAL_AUDITORY_EVOKED_POTENTIALS
MIR4309, MIR4309
HP_ABNORMALITY_OF_HAIR_PIGMENTATION, HP_ABNORMALITY_OF_HAIR_PIGMENTATION
ZFP82_TARGET_GENES, ZFP82_TARGET_GENES
HP_PROLONGED_QTC_INTERVAL, HP_PROLONGED_QTC_INTERVAL
GOBP_PROTEIN_ADP_RIBOSYLATION, GOBP_PROTEIN_ADP_RIBOSYLATION
GOMF_H4_HISTONE_ACETYLTRANSFERASE_ACTIVITY, GOMF_H4_HISTONE_ACETYLTRANSFERASE_ACTIVITY
WYAAANNRNNNGCG_UNKNOWN, WYAAANNRNNNGCG_UNKNOWN
HP_ABNORMAL_QT_INTERVAL, HP_ABNORMAL_QT_INTERVAL
REACTOME_PROLONGED_ERK_ACTIVATION_EVENTS, REACTOME_PROLONGED_ERK_ACTIVATION_EVENTS
GOBP_PRIMARY_MIRNA_PROCESSING, GOBP_PRIMARY_MIRNA_PROCESSING
DESCARTES_FETAL_PANCREAS_ERYTHROBLASTS, DESCARTES_FETAL_PANCREAS_ERYTHROBLASTS
HP_ABNORMAL_EPIPHYSIS_MORPHOLOGY_OF_THE_PHALANGES_OF_THE_HAND, HP_ABNORMAL_EPIPHYSIS_MORPHOLOGY_OF_THE_PHALANGES_OF_THE_HAND
REACTOME P130CAS LINKAGE TO MAPK SIGNALING FOR INTEGRINS, REACTOME P130CAS LINKAGE TO MAPK SIGNALING FOR INTEGRINS
MIR3198, MIR3198
HP AUTOAMPUTATION, HP AUTOAMPUTATION
HP_ABNORMALITY_OF_LIPOPROTEIN_CHOLESTEROL_CONCENTRATION, HP_ABNORMALITY_OF_LIPOPROTEIN_CHOLESTEROL_CONCENTRATION
GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_2H_UP, GSE2770_IL12_VS_TGFB_AND_IL12_TREATED_ACT_CD4_TCELL_2H_UP
HP_HYPOCHOLESTEROLEMIA, HP_HYPOCHOLESTEROLEMIA
GOBP_SOMATIC_DIVERSIFICATION_OF_IMMUNE_RECEPTORS_VIA_SOMATIC_MUTATION, GOBP_SOMATIC_DIVERSIFICATION_OF_IMMUNE_RECEPTORS_VIA_SOMATIC_MUTATION
KENNY_CTNNB1_TARGETS_DN, KENNY_CTNNB1_TARGETS_DN
MIR1225 5P, MIR1225 5P
GOBP_POSITIVE_REGULATION_OF_HEART_RATE, GOBP_POSITIVE_REGULATION_OF_HEART_RATE
HP_EXERCISE_INDUCED_MYALGIA, HP_EXERCISE_INDUCED_MYALGIA
GOBP_NEGATIVE_REGULATION_OF_MITOCHONDRIAL_FUSION, GOBP_NEGATIVE_REGULATION_OF_MITOCHONDRIAL_FUSION
REACTOME_PTK6_REGULATES_RTKS_AND_THEIR_EFFECTORS_AKT1_AND_DOK1, REACTOME_PTK6_REGULATES_RTKS_AND_THEIR_EFFECTORS_AKT1_AND_DOK1
GOBP_ADULT_LOCOMOTORY_BEHAVIOR, GOBP_ADULT_LOCOMOTORY_BEHAVIOR
HP_DYSLEXIA, HP_DYSLEXIA
HP_ABNORMAL_LDL_CHOLESTEROL_CONCENTRATION, HP_ABNORMAL_LDL_CHOLESTEROL_CONCENTRATION
HP_KETONURIA, HP_KETONURIA
GOBP_POSITIVE_REGULATION_OF_MUSCLE_CONTRACTION, GOBP_POSITIVE_REGULATION_OF_MUSCLE_CONTRACTION
REACTOME_PLATELET_AGGREGATION_PLUG_FORMATION, REACTOME_PLATELET_AGGREGATION_PLUG_FORMATION
REACTOME PTK6 REGULATES RHO GTPASES RAS GTPASE AND MAP KINASES, REACTOME PTK6 REGULATES RHO GTPASES RAS GTPASE AND MAP KINASES
GOMF_EPHRIN_RECEPTOR_BINDING, GOMF_EPHRIN_RECEPTOR_BINDING
RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_SMAD4_DN, RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_SMAD4_DN
VALK_AML_CLUSTER_7, VALK_AML_CLUSTER_7
FIGUEROA_AML_METHYLATION_CLUSTER_5_DN, FIGUEROA_AML_METHYLATION_CLUSTER_5_DN
GOBP_SECRETORY_GRANULE_LOCALIZATION, GOBP_SECRETORY_GRANULE_LOCALIZATION
GOBP_PLATELET_DERIVED_GROWTH_FACTOR_RECEPTOR_BETA_SIGNALING_PATHWAY, GOBP_PLATELET_DERIVED_GROWTH_FACTOR_RECEPTOR_BETA_SIGNALING_PATHWAY
LUDWICZEK_TREATING_IRON_OVERLOAD, LUDWICZEK_TREATING_IRON_OVERLOAD
GOBP_AXONEMAL_CENTRAL_APPARATUS_ASSEMBLY, GOBP_AXONEMAL_CENTRAL_APPARATUS_ASSEMBLY
HP_WIDELY_SPACED_PRIMARY_TEETH, HP_WIDELY_SPACED_PRIMARY_TEETH
HP_HYPOPLASIA_OF_THE_PRIMARY_TEETH, HP_HYPOPLASIA_OF_THE_PRIMARY_TEETH
MIKKELSEN_IPS_LCP_WITH_H3K27ME3, MIKKELSEN_IPS_LCP_WITH_H3K27ME3
HP_HYPOCALCIURIA, HP_HYPOCALCIURIA
MIR6774_3P, MIR6774_3P
GOBP_NEGATIVE_REGULATION_OF_GLYCOLYTIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_GLYCOLYTIC_PROCESS
WP_CATALYTIC_CYCLE_OF_MAMMALIAN_FLAVINCONTAINING_MONOOXYGENASES_FMOS, WP_CATALYTIC_CYCLE_OF_MAMMALIAN_FLAVINCONTAINING_MONOOXYGENASES_FMOS
HP_HYPERGALACTOSEMIA, HP_HYPERGALACTOSEMIA
GOMF_N_N_DIMETHYLANILINE_MONOOXYGENASE_ACTIVITY, GOMF_N_N_DIMETHYLANILINE_MONOOXYGENASE_ACTIVITY
HP_HYPERMAGNESEMIA, HP_HYPERMAGNESEMIA
HP_COMPENSATED_HYPOTHYROIDISM, HP_COMPENSATED_HYPOTHYROIDISM
GOBP_NEGATIVE_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS, GOBP_NEGATIVE_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS
HP_HYPOLIPOPROTEINEMIA, HP_HYPOLIPOPROTEINEMIA
GOBP_REGULATION_OF_MICROVILLUS_ASSEMBLY, GOBP_REGULATION_OF_MICROVILLUS_ASSEMBLY
HP_SCLEROSIS_OF_FINGER_PHALANX, HP_SCLEROSIS_OF_FINGER_PHALANX
REACTOME_PTK6_PROMOTES_HIF1A_STABILIZATION, REACTOME_PTK6_PROMOTES_HIF1A_STABILIZATION
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_4NM_DN, HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_4NM_DN
HP_ABNORMAL_CIRCULATING_ARGININE_CONCENTRATION, HP_ABNORMAL_CIRCULATING_ARGININE_CONCENTRATION
GOCC_CUL5_RING_UBIQUITIN_LIGASE_COMPLEX, GOCC_CUL5_RING_UBIQUITIN_LIGASE_COMPLEX
GOMF_CALCIUM_DEPENDENT_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY, GOMF_CALCIUM_DEPENDENT_CYSTEINE_TYPE_ENDOPEPTIDASE_ACTIVITY
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GOBP_NEGATIVE_REGULATION_OF_NERVOUS_SYSTEM_PROCESS, GOBP_NEGATIVE_REGULATION_OF_NERVOUS_SYSTEM_PROCESS

GOBP_RETROGRADE_NEURONAL_DENSE_CORE_VESICLE_TRANSPORT, GOBP_RETROGRADE_NEURONAL_DENSE_CORE_VESICLE_TRANSPORT

GOBP_ANTEROGRADE_NEURONAL_DENSE_CORE_VESICLE_TRANSPORT, GOBP_ANTEROGRADE_NEURONAL_DENSE_CORE_VESICLE_TRANSPORT

HP_DENSE_CALCIFICATIONS_IN_THE_CEREBELLAR_DENTATE_NUCLEUS, HP_DENSE_CALCIFICATIONS_IN_THE_CEREBELLAR_DENTATE_NUCLEUS

GOBP_POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CONTRACTION, GOBP_POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CONTRACTION

GOBP_NEGATIVE_REGULATION_OF_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION, GOBP_NEGATIVE_REGULATION_OF_VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_

GOBP POSITIVE REGULATION OF PLATELET DERIVED GROWTH FACTOR RECEPTOR SIGNALING PATHWAY, GOBP POSITIVE REGULATION OF PLATELET DERIVED GROWTH FACTOR RECEPTOR

GOBP_REGULATION_OF_GROWTH_HORMONE_RECEPTOR_SIGNALING_PATHWAY, GOBP_REGULATION_OF_GROWTH_HORMONE_RECEPTOR_SIGNALING_PATHWAY

HP_ELEVATED_GAMMA_GLUTAMYLTRANSFERASE_LEVEL, HP_ELEVATED_GAMMA_GLUTAMYLTRANSFERASE_LEVEL

REACTOME_TACHYKININ_RECEPTORS_BIND_TACHYKININS, REACTOME_TACHYKININ_RECEPTORS_BIND_TACHYKININS

HP_ABNORMAL_CIRCULATING_TYROSINE_CONCENTRATION, HP_ABNORMAL_CIRCULATING_TYROSINE_CONCENTRATION

GOBP_CELLULAR_RESPONSE_TO_GROWTH_HORMONE_STIMULUS, GOBP_CELLULAR_RESPONSE_TO_GROWTH_HORMONE_STIMULUS

TURASHVILI_BREAST_CARCINOMA_DUCTAL_VS_LOBULAR_DN, TURASHVILI_BREAST_CARCINOMA_DUCTAL_VS_LOBULAR_DN

HP_ADULT_ONSET_SENSORINEURAL_HEARING_IMPAIRMENT, HP_ADULT_ONSET_SENSORINEURAL_HEARING_IMPAIRMENT

HP_ABNORMALITY_OF_LENS_SHAPE, HP_ABNORMALITY_OF_LENS_SHAPE

HP_SCLEROSIS_OF_HAND_BONE, HP_SCLEROSIS_OF_HAND_BONE

GOMF_FUCOSE_BINDING, GOMF_FUCOSE_BINDING

HP_CORTICAL_CATARACT, HP_CORTICAL_CATARACT

GOBP DIRECT OSSIFICATION, GOBP DIRECT OSSIFICATION

GOBP_RESPONSE_TO_GROWTH_HORMONE, GOBP_RESPONSE_TO_GROWTH_HORMONE

HP_PAINLESS_FRACTURES_DUE_TO_INJURY, HP_PAINLESS_FRACTURES_DUE_TO_INJURY

HP_PROGRESSIVE_VISUAL_FIELD_DEFECTS, HP_PROGRESSIVE_VISUAL_FIELD_DEFECTS

GOBP_REGULATION_OF_XENOPHAGY, GOBP_REGULATION_OF_XENOPHAGY

HP_IMPAIRED_GLUCOSE_TOLERANCE, HP_IMPAIRED_GLUCOSE_TOLERANCE

HP_CEREBELLAR_CALCIFICATIONS, HP_CEREBELLAR_CALCIFICATIONS

REACTOME_ERBB2_ACTIVATES_PTK6_SIGNALING, REACTOME_ERBB2_ACTIVATES_PTK6_SIGNALING

chr4q24, chr4q24

SU_KIDNEY, SU_KIDNEY

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L_VS_POLYIC_4H_BMDC_UP, GSE17721_CTRL_VS_POLYIC_4H_BMDC_UP
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