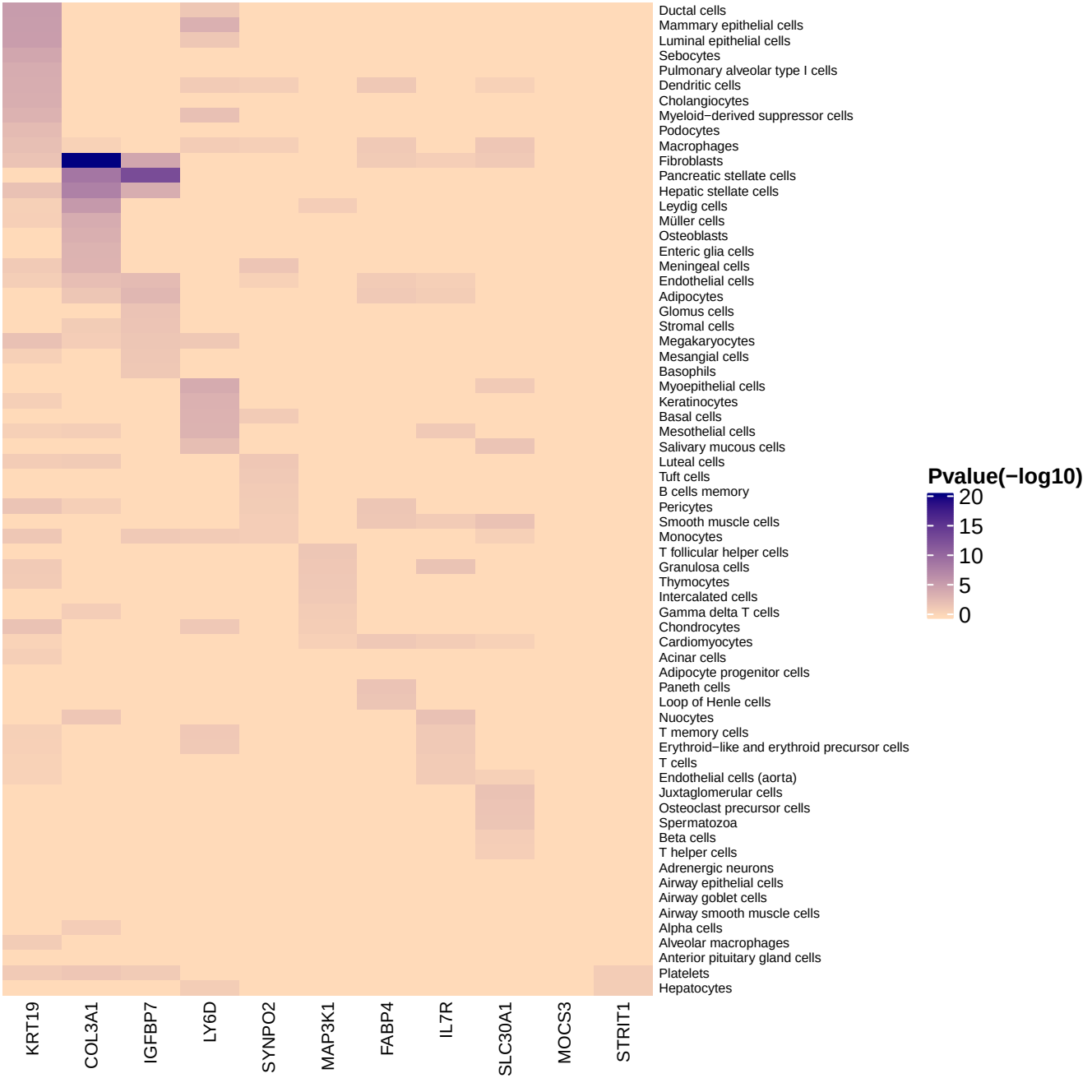
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Luminal epithelial cells
Sebocytes
Pulmonary alveolar type I cells
Dendritic cells
Cholangiocytes
Myeloid−derived suppressor cells
Podocytes
Macrophages
Fibroblasts
Pancreatic stellate cells
Hepatic stellate cells
Leydig cells
Müller cells
Osteoblasts
Enteric glia cells
Meningeal cells
Endothelial cells
Adipocytes
Glomus cells
Stromal cells
Megakaryocytes
Mesangial cells
Basophils
Myoepithelial cells
Keratinocytes
Basal cells
Mesothelial cells
Salivary mucous cells
Luteal cells
Tuft cells
B cells memory
Pericytes
Smooth muscle cells
Monocytes
T follicular helper cells
Granulosa cells
Thymocytes
Intercalated cells
Gamma delta T cells
Chondrocytes
Cardiomyocytes
Acinar cells
Adipocyte progenitor cells
Paneth cells
Loop of Henle cells
Nuocytes
T memory cells
Erythroid−like and erythroid precursor cells
T cells
Endothelial cells (aorta)
Juxtaglomerular cells
Osteoclast precursor cells
Spermatozoa
Beta cells
T helper cells
Adrenergic neurons
Airway epithelial cells
Airway goblet cells
Airway smooth muscle cells
Alpha cells
Alveolar macrophages
Anterior pituitary gland cells
Platelets
Hepatocytes
KRT19
COL3A1
IGFBP7
LY6D
SYNPO2
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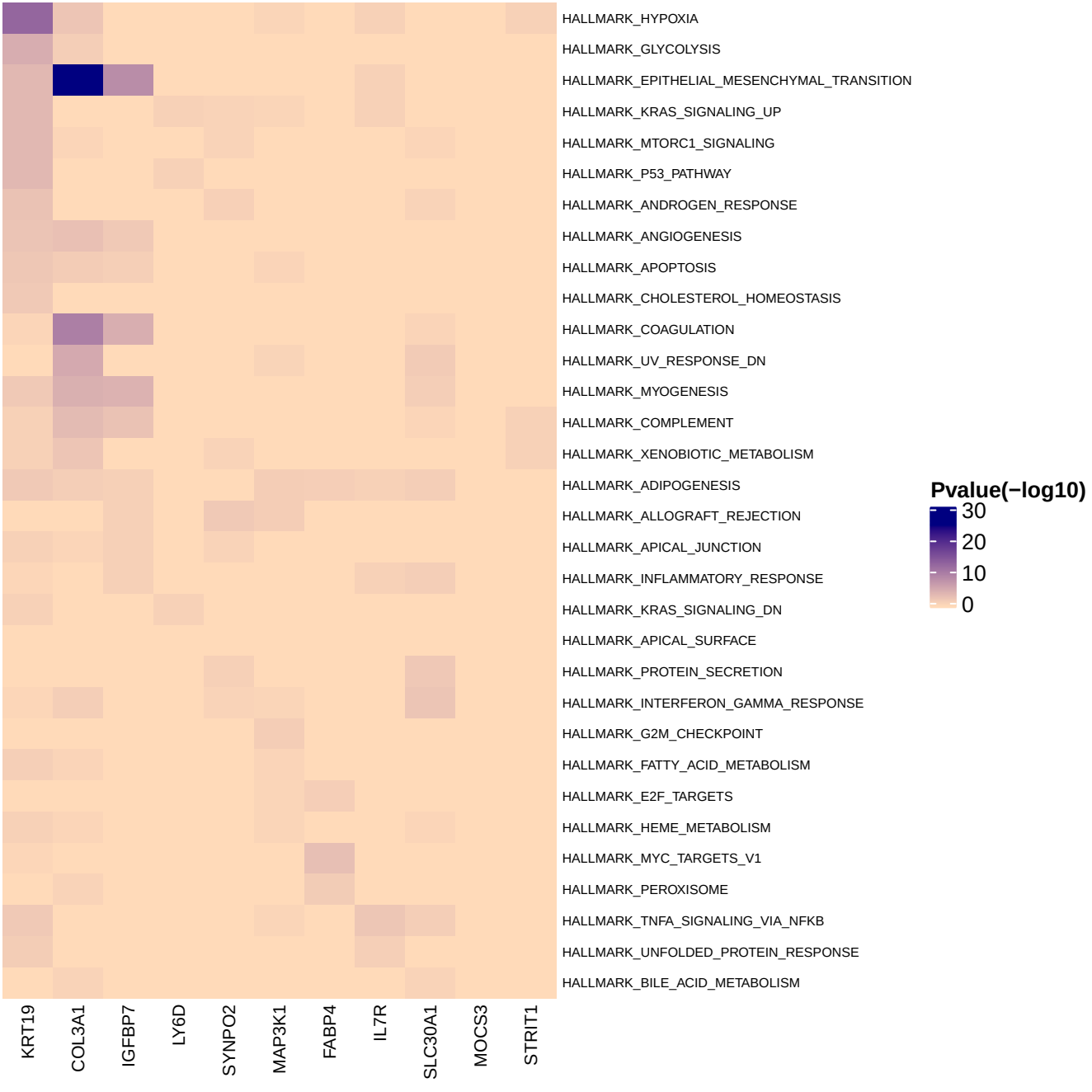
HALLMARK_HYPOXIA
HALLMARK_GLYCOLYSIS
HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION
HALLMARK_KRAS_SIGNALING_UP
HALLMARK_MTORC1_SIGNALING
HALLMARK_P53_PATHWAY
HALLMARK_ANDROGEN_RESPONSE
HALLMARK_ANGIOGENESIS
HALLMARK_APOPTOSIS
HALLMARK_CHOLESTEROL_HOMEOSTASIS
HALLMARK_COAGULATION
HALLMARK_UV_RESPONSE_DN
HALLMARK_MYOGENESIS
HALLMARK_COMPLEMENT
HALLMARK_XENOBIOTIC_METABOLISM
HALLMARK_ADIPOGENESIS
HALLMARK_ALLOGRAFT_REJECTION
HALLMARK_APICAL_JUNCTION
HALLMARK_INFLAMMATORY_RESPONSE
HALLMARK_KRAS_SIGNALING_DN
HALLMARK_APICAL_SURFACE
HALLMARK_PROTEIN_SECRETION
HALLMARK_INTERFERON_GAMMA_RESPONSE
HALLMARK_G2M_CHECKPOINT
HALLMARK_FATTY_ACID_METABOLISM
HALLMARK_E2F_TARGETS
HALLMARK_HEME_METABOLISM
HALLMARK_MYC_TARGETS_V1
HALLMARK_PEROXISOME
HALLMARK_TNFA_SIGNALING_VIA_NFKB
HALLMARK_UNFOLDED_PROTEIN_RESPONSE
HALLMARK_BILE_ACID_METABOLISM
KRT19
COL3A1
IGFBP7
LY6D
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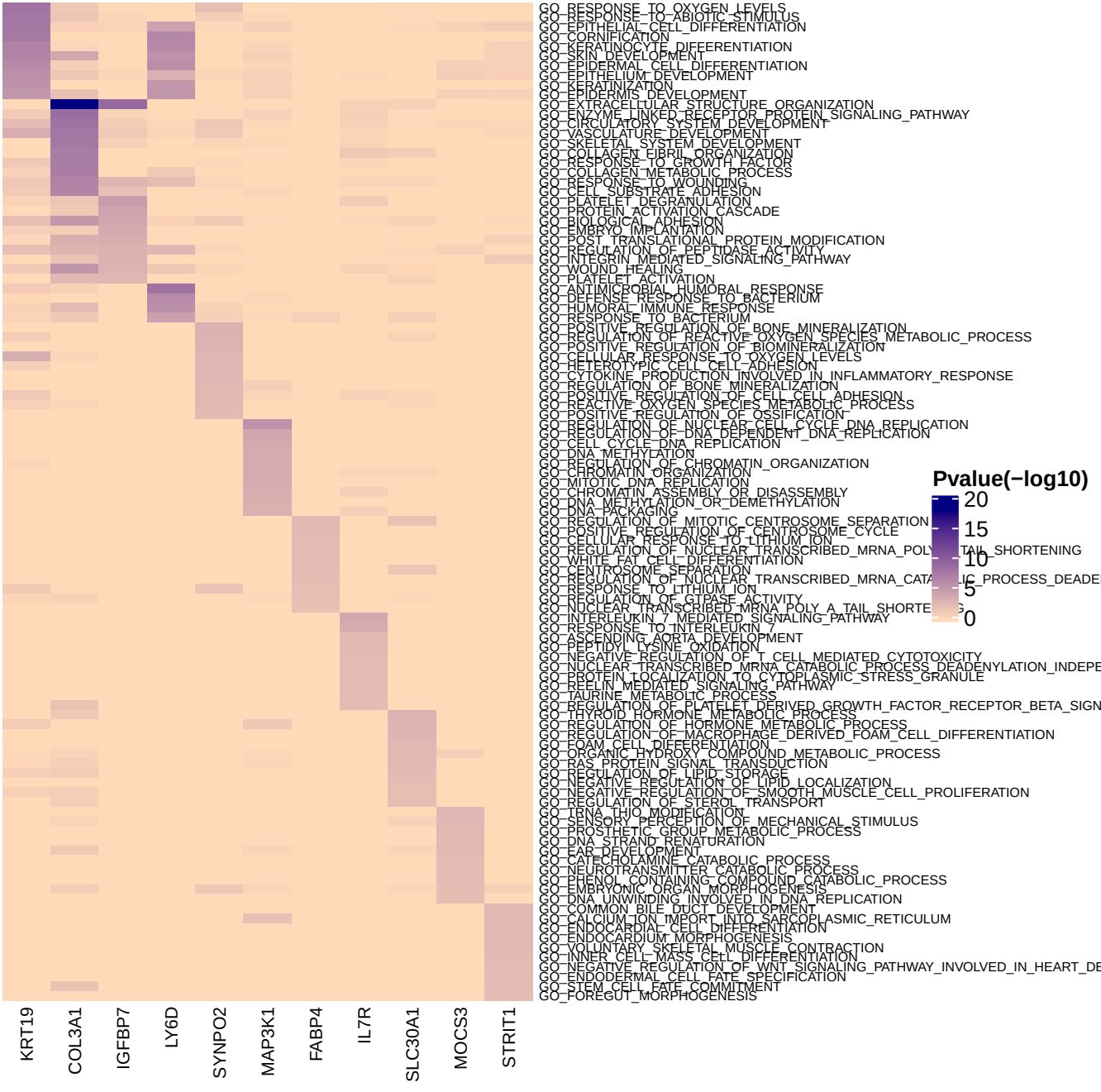
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GO_RESPONSE_TO_ABIOTIC_STIMULUS
GO_EPITHELIAL_CELL_DIFFERENTIATION
GO_CORNIFICATION
GO_KERATINOCYTE_DIFFERENTIATION
GO_SKIN_DEVELOPMENT
GO_EPIDERMAL_CELL_DIFFERENTIATION
GO_EPITHELIUM_DEVELOPMENT
GO_KERATINIZATION
GO_EPIDERMIS_DEVELOPMENT
GO_EXTRACELLULAR_STRUCTURE_ORGANIZATION
GO_ENZYME_LINKED_RECEPTOR_PROTEIN_SIGNALING_PATHWAY
GO_CIRCULATORY_SYSTEM_DEVELOPMENT
GO_VASCULATURE_DEVELOPMENT
GO_SKELETAL_SYSTEM_DEVELOPMENT
GO_COLLAGEN_FIBRIL_ORGANIZATION
GO_RESPONSE_TO_GROWTH_FACTOR
GO_COLLAGEN_METABOLIC_PROCESS
GO_RESPONSE_TO_WOUNDING
GO_CELL_SUBSTRATE_ADHESION
GO_PLATELET_DEGRANULATION
GO_PROTEIN_ACTIVATION_CASCADE
GO_BIOLOGICAL_ADHESION
GO_EMBRYO_IMPLANTATION
GO_POST_TRANSLATIONAL_PROTEIN_MODIFICATION
GO_REGULATION_OF_PEPTIDASE_ACTIVITY
GO_INTEGRIN_MEDIATED_SIGNALING_PATHWAY
GO_WOUND_HEALING
GO_PLATELET_ACTIVATION
GO_ANTIMICROBIAL_HUMORAL_RESPONSE
GO_DEFENSE_RESPONSE_TO_BACTERIUM
GO_HUMORAL_IMMUNE_RESPONSE
GO_RESPONSE_TO_BACTERIUM
GO_POSITIVE_REGULATION_OF_BONE_MINERALIZATION
GO_REGULATION_OF_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS
GO_POSITIVE_REGULATION_OF_BIOMINERALIZATION
GO_CELLULAR_RESPONSE_TO_OXYGEN_LEVELS
GO_HETEROTYPIC_CELL_CELL_ADHESION
GO_CYTOKINE_PRODUCTION_INVOLVED_IN_INFLAMMATORY_RESPONSE
GO_REGULATION_OF_BONE_MINERALIZATION
GO_POSITIVE_REGULATION_OF_CELL_CELL_ADHESION
GO_REACTIVE_OXYGEN_SPECIES_METABOLIC_PROCESS
GO_POSITIVE_REGULATION_OF_OSSIFICATION
GO_REGULATION_OF_NUCLEAR_CELL_CYCLE_DNA_REPLICATION
GO_REGULATION_OF_DNA_DEPENDENT_DNA_REPLICATION
GO_CELL_CYCLE_DNA_REPLICATION
GO_DNA_METHYLATION
GO_REGULATION_OF_CHROMATIN_ORGANIZATION
GO_CHROMATIN_ORGANIZATION
GO_MITOTIC_DNA_REPLICATION
GO_CHROMATIN_ASSEMBLY_OR_DISASSEMBLY
GO_DNA_METHYLATION_OR_DEMETHYLATION
GO_DNA_PACKAGING
GO_REGULATION_OF_MITOTIC_CENTROSOME_SEPARATION
GO_POSITIVE_REGULATION_OF_CENTROSOME_CYCLE
GO_CELLULAR_RESPONSE_TO_LITHIUM_ION
GO_REGULATION_OF_NUCLEAR_TRANSCRIBED_MRNA_POLY_A_TAIL_SHORTENING
GO_WHITE_FAT_CELL_DIFFERENTIATION
GO_CENTROSOME_SEPARATION
GO_REGULATION_OF_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_DEADE
GO_RESPONSE_TO_LITHIUM_ION
GO_REGULATION_OF_GTPASE_ACTIVITY
GO_NUCLEAR_TRANSCRIBED_MRNA_POLY_A_TAIL_SHORTENING
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GO_RESPONSE_TO_INTERLEUKIN_7
GO_ASCENDING_AORTA_DEVELOPMENT
GO_PEPTIDYL_LYSINE_OXIDATION
GO_NEGATIVE_REGULATION_OF_T_CELL_MEDIATED_CYTOTOXICITY
GO_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_DEADENYLATION_INDEPE
GO_PROTEIN_LOCALIZATION_TO_CYTOPLASMIC_STRESS_GRANULE
GO_REELIN_MEDIATED_SIGNALING_PATHWAY
GO_TAURINE_METABOLIC_PROCESS
GO_REGULATION_OF_PLATELET_DERIVED_GROWTH_FACTOR_RECEPTOR_BETA_SIGN
GO_THYROID_HORMONE_METABOLIC_PROCESS
GO_REGULATION_OF_HORMONE_METABOLIC_PROCESS
GO_REGULATION_OF_MACROPHAGE_DERIVED_FOAM_CELL_DIFFERENTIATION
GO_FOAM_CELL_DIFFERENTIATION
GO_ORGANIC_HYDROXY_COMPOUND_METABOLIC_PROCESS
GO_RAS_PROTEIN_SIGNAL_TRANSDUCTION
GO_REGULATION_OF_LIPID_STORAGE
GO_NEGATIVE_REGULATION_OF_LIPID_LOCALIZATION
GO_NEGATIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_PROLIFERATION
GO_REGULATION_OF_STEROL_TRANSPORT
GO_TRNA_THIO_MODIFICATION
GO_SENSORY_PERCEPTION_OF_MECHANICAL_STIMULUS
GO_PROSTHETIC_GROUP_METABOLIC_PROCESS
GO_DNA_STRAND_RENATURATION
GO_EAR_DEVELOPMENT
GO_CATECHOLAMINE_CATABOLIC_PROCESS
GO_NEUROTRANSMITTER_CATABOLIC_PROCESS
GO_PHENOL_CONTAINING_COMPOUND_CATABOLIC_PROCESS
GO_EMBRYONIC_ORGAN_MORPHOGENESIS
GO_DNA_UNWINDING_INVOLVED_IN_DNA_REPLICATION
GO_COMMON_BILE_DUCT_DEVELOPMENT
GO_CALCIUM_ION_IMPORT_INTO_SARCOPLASMIC_RETICULUM
GO_ENDOCARDIAL_CELL_DIFFERENTIATION
GO_ENDOCARDIUM_MORPHOGENESIS
GO_VOLUNTARY_SKELETAL_MUSCLE_CONTRACTION
GO_INNER_CELL_MASS_CELL_DIFFERENTIATION
GO_NEGATIVE_REGULATION_OF_WNT_SIGNALING_PATHWAY_INVOLVED_IN_HEART_DE
GO_ENDODERMAL_CELL_FATE_SPECIFICATION
GO_STEM_CELL_FATE_COMMITMENT
GO_FOREGUT_MORPHOGENESIS
KRT19
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IGFBP7
LY6D
SYNPO2
MAP3K1
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IL7R
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MOCS3
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KEGG_GLYCOLYSIS_GLUCONEOGENESIS
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KEGG_RENAL_CELL_CARCINOMA
KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION
KEGG_PATHWAYS_IN_CANCER
KEGG_GALACTOSE_METABOLISM
KEGG_PROPANOATE_METABOLISM
KEGG_CYSTEINE_AND_METHIONINE_METABOLISM
KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM
KEGG_ECM_RECEPTOR_INTERACTION
KEGG_COMPLEMENT_AND_COAGULATION_CASCADES
KEGG_FOCAL_ADHESION
KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS
KEGG_WNT_SIGNALING_PATHWAY
KEGG_ARACHIDONIC_ACID_METABOLISM
KEGG_RETINOL_METABOLISM
KEGG_LEISHMANIA_INFECTION
KEGG_TGF_BETA_SIGNALING_PATHWAY
KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY
KEGG_SMALL_CELL_LUNG_CANCER
KEGG_REGULATION_OF_ACTIN_CYTOSKELETON
KEGG_ABC_TRANSPORTERS
KEGG_ACUTE_MYELOID_LEUKEMIA
KEGG_ADHERENS_JUNCTION
KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY
KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_METABOLISM
KEGG_ALDOSTERONE_REGULATED_SODIUM_REABSORPTION
KEGG_ALLOGRAFT_REJECTION
KEGG_ALPHA_LINOLENIC_ACID_METABOLISM
KEGG_ALZHEIMERS_DISEASE
KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLISM
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_BIOSYNTHESIS
KEGG_PANTOTHENATE_AND_COA_BIOSYNTHESIS
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION
KEGG_HEDGEHOG_SIGNALING_PATHWAY
KEGG_TIGHT_JUNCTION
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION
KEGG_ASTHMA
KEGG_BUTANOATE_METABOLISM
KEGG_GRAFT_VERSUS_HOST_DISEASE
KEGG_FATTY_ACID_METABOLISM
KEGG_TYPE_I_DIABETES_MELLITUS
KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION
KEGG_AUTOIMMUNE_THYROID_DISEASE
KEGG_VIBRIO_CHOLERAE_INFECTION
KEGG_JAK_STAT_SIGNALING_PATHWAY
KEGG_BASAL_TRANSCRIPTION_FACTORS
KEGG_PRIMARY_IMMUNODEFICIENCY
KEGG_RNA_DEGRADATION
KEGG_CHRONIC_MYELOID_LEUKEMIA
KEGG_ERBB_SIGNALING_PATHWAY
KEGG_HEMATOPOIETIC_CELL_LINEAGE
KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY
KEGG_MAPK_SIGNALING_PATHWAY
KEGG_THYROID_CANCER
KEGG_GLYCEROLIPID_METABOLISM
KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY
KEGG_EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLORI_INFECTION
KEGG_HUNTINGTONS_DISEASE
KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM
KEGG_PYRIMIDINE_METABOLISM
KEGG_LYSOSOME
KEGG_PURINE_METABOLISM
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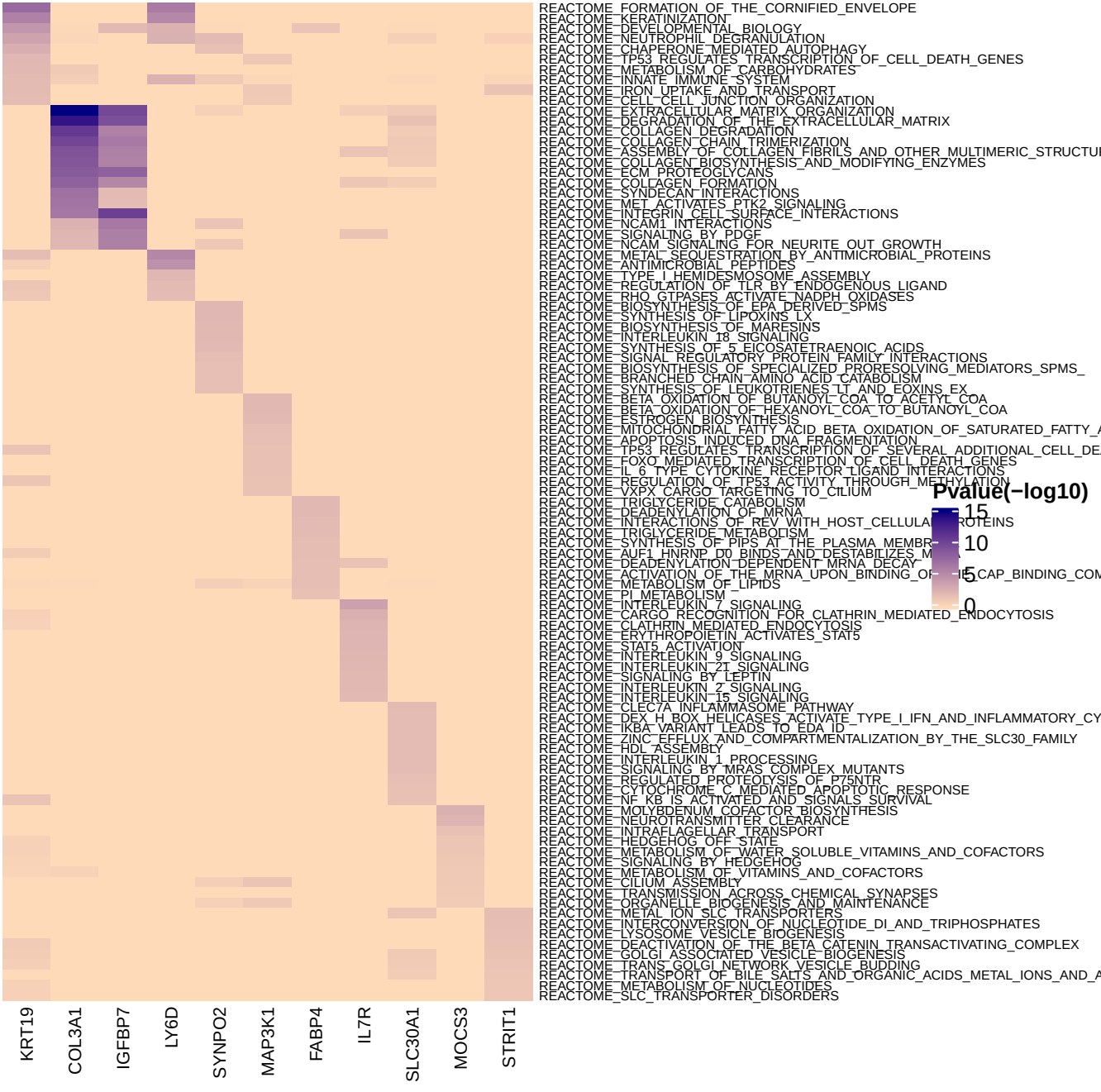
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REACTOME_CHAPERONE_MEDIATED_AUTOPHAGY
REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_CELL_DEATH_GENES
REACTOME_METABOLISM_OF_CARBOHYDRATES
REACTOME_INNATE_IMMUNE_SYSTEM
REACTOME_IRON_UPTAKE_AND_TRANSPORT
REACTOME_CELL_CELL_JUNCTION_ORGANIZATION
REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION
REACTOME_DEGRADATION_OF_THE_EXTRACELLULAR_MATRIX
REACTOME_COLLAGEN_DEGRADATION
REACTOME_COLLAGEN_CHAIN_TRIMERIZATION
REACTOME_ASSEMBLY_OF_COLLAGEN_FIBRILS_AND_OTHER_MULTIMERIC_STRUCTUR
REACTOME_COLLAGEN_BIOSYNTHESIS_AND_MODIFYING_ENZYMES
REACTOME_ECM_PROTEOGLYCANS
REACTOME_COLLAGEN_FORMATION
REACTOME_SYNDECAN_INTERACTIONS
REACTOME_MET_ACTIVATES_PTK2_SIGNALING
REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS
REACTOME_NCAM1_INTERACTIONS
REACTOME_SIGNALING_BY_PDGF
REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH
REACTOME_METAL_SEQUESTRATION_BY_ANTIMICROBIAL_PROTEINS
REACTOME_ANTIMICROBIAL_PEPTIDES
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REACTOME_RHO_GTPASES_ACTIVATE_NADPH_OXIDASES
REACTOME_BIOSYNTHESIS_OF_EPA_DERIVED_SPMS
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REACTOME_BIOSYNTHESIS_OF_MARESINS
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REACTOME_BETA_OXIDATION_OF_BUTANOYL_COA_TO_ACETYL_COA
REACTOME_BETA_OXIDATION_OF_HEXANOYL_COA_TO_BUTANOYL_COA
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REACTOME_MITOCHONDRIAL_FATTY_ACID_BETA_OXIDATION_OF_SATURATED_FATTY_
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REACTOME_FOXO_MEDIATED_TRANSCRIPTION_OF_CELL_DEATH_GENES
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REACTOME_DEADENYLATION_OF_MRNA
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REACTOME_TRIGLYCERIDE_METABOLISM
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REACTOME_INTERLEUKIN_2_SIGNALING
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REACTOME_DEX_H_BOX_HELICASES_ACTIVATE_TYPE_I_IFN_AND_INFLAMMATORY_CY
REACTOME_IKBA_VARIANT_LEADS_TO_EDA_ID
REACTOME_ZINC_EFFLUX_AND_COMPARTMENTALIZATION_BY_THE_SLC30_FAMILY
REACTOME_HDL_ASSEMBLY
REACTOME_INTERLEUKIN_1_PROCESSING
REACTOME_SIGNALING_BY_MRAS_COMPLEX_MUTANTS
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REACTOME_CYTOCHROME_C_MEDIATED_APOPTOTIC_RESPONSE
REACTOME_NF_KB_IS_ACTIVATED_AND_SIGNALS_SURVIVAL
REACTOME_MOLYBDENUM_COFACTOR_BIOSYNTHESIS
REACTOME_NEUROTRANSMITTER_CLEARANCE
REACTOME_INTRAFLAGELLAR_TRANSPORT
REACTOME_HEDGEHOG_OFF_STATE
REACTOME_METABOLISM_OF_WATER_SOLUBLE_VITAMINS_AND_COFACTORS
REACTOME_SIGNALING_BY_HEDGEHOG
REACTOME_METABOLISM_OF_VITAMINS_AND_COFACTORS
REACTOME_CILIUM_ASSEMBLY
REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES
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REACTOME_INTERCONVERSION_OF_NUCLEOTIDE_DI_AND_TRIPHOSPHATES
REACTOME_LYSOSOME_VESICLE_BIOGENESIS
REACTOME_DEACTIVATION_OF_THE_BETA_CATENIN_TRANSACTIVATING_COMPLEX
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REACTOME_TRANS_GOLGI_NETWORK_VESICLE_BUDDING
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REACTOME_METABOLISM_OF_NUCLEOTIDES
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