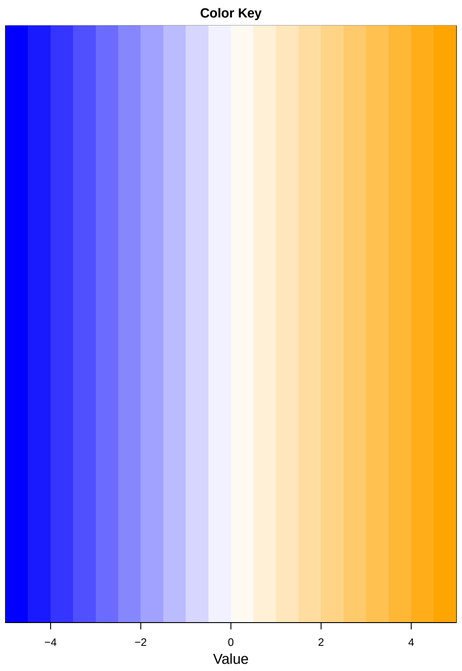
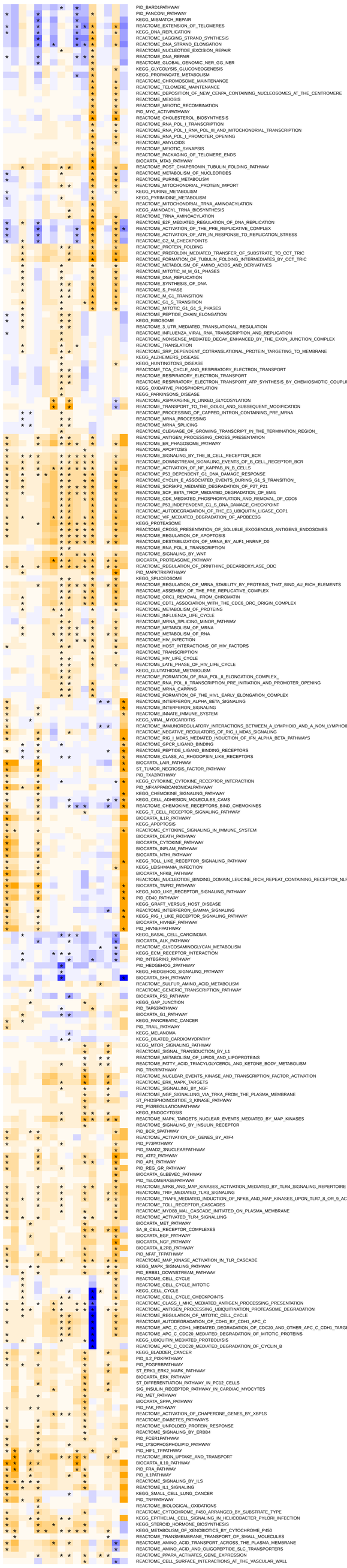

Color Key
−4
−2
0
2
4
Value


PID_BARD1PATHWAY
PID_FANCONI_PATHWAY
KEGG_MISMATCH_REPAIR
REACTOME_EXTENSION_OF_TELOMERES
KEGG_DNA_REPLICATION
REACTOME_LAGGING_STRAND_SYNTHESIS
REACTOME_DNA_STRAND_ELONGATION
REACTOME_NUCLEOTIDE_EXCISION_REPAIR
REACTOME_DNA_REPAIR
REACTOME_GLOBAL_GENOMIC_NER_GG_NER
KEGG_GLYCOLYSIS_GLUCONEOGENESIS
KEGG_PROPANOATE_METABOLISM
REACTOME_CHROMOSOME_MAINTENANCE
REACTOME_TELOMERE_MAINTENANCE
REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE
REACTOME_MEIOSIS
REACTOME_MEIOTIC_RECOMBINATION
PID_MYC_ACTIVPATHWAY
REACTOME_CHOLESTEROL_BIOSYNTHESIS
REACTOME_RNA_POL_I_TRANSCRIPTION
REACTOME_RNA_POL_I_RNA_POL_III_AND_MITOCHONDRIAL_TRANSCRIPTION
REACTOME_RNA_POL_I_PROMOTER_OPENING
REACTOME_AMYLOIDS
REACTOME_MEIOTIC_SYNAPSIS
REACTOME_PACKAGING_OF_TELOMERE_ENDS
BIOCARTA_MTA3_PATHWAY
REACTOME_POST_CHAPERONIN_TUBULIN_FOLDING_PATHWAY
REACTOME_METABOLISM_OF_NUCLEOTIDES
REACTOME_PURINE_METABOLISM
REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT
KEGG_PURINE_METABOLISM
KEGG_PYRIMIDINE_METABOLISM
REACTOME_MITOCHONDRIAL_TRNA_AMINOACYLATION
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS
REACTOME_TRNA_AMINOACYLATION
REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION
REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX
REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS
REACTOME_G2_M_CHECKPOINTS
REACTOME_PROTEIN_FOLDING
REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_SUBSTRATE_TO_CCT_TRIC
REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDIATES_BY_CCT_TRIC
REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVATIVES
REACTOME_MITOTIC_M_M_G1_PHASES
REACTOME_DNA_REPLICATION
REACTOME_SYNTHESIS_OF_DNA
REACTOME_S_PHASE
REACTOME_M_G1_TRANSITION
REACTOME_G1_S_TRANSITION
REACTOME_MITOTIC_G1_G1_S_PHASES
REACTOME_PEPTIDE_CHAIN_ELONGATION
KEGG_RIBOSOME
REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REGULATION
REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_REPLICATION
REACTOME_NONSENSE_MEDIATED_DECAY_ENHANCED_BY_THE_EXON_JUNCTION_COMPLEX
REACTOME_TRANSLATION
REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE
KEGG_ALZHEIMERS_DISEASE
KEGG_HUNTINGTONS_DISEASE
REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHEMIOSMOTIC_COUPLING_AND_HEAT_PRODUCTION_BY_UNCOUPLING_PROTEINS_
KEGG_OXIDATIVE_PHOSPHORYLATION
KEGG_PARKINSONS_DISEASE
REACTOME_ASPARAGINE_N_LINKED_GLYCOSYLATION
REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT_MODIFICATION
REACTOME_PROCESSING_OF_CAPPED_INTRON_CONTAINING_PRE_MRNA
REACTOME_MRNA_PROCESSING
REACTOME_MRNA_SPLICING
REACTOME_CLEAVAGE_OF_GROWING_TRANSCRIPT_IN_THE_TERMINATION_REGION_
REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION
REACTOME_ER_PHAGOSOME_PATHWAY
REACTOME_APOPTOSIS
REACTOME_SIGNALING_BY_THE_B_CELL_RECEPTOR_BCR
REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_BCR
REACTOME_ACTIVATION_OF_NF_KAPPAB_IN_B_CELLS
REACTOME_P53_DEPENDENT_G1_DNA_DAMAGE_RESPONSE
REACTOME_CYCLIN_E_ASSOCIATED_EVENTS_DURING_G1_S_TRANSITION_
REACTOME_SCFSKP2_MEDIATED_DEGRADATION_OF_P27_P21
REACTOME_SCF_BETA_TRCP_MEDIATED_DEGRADATION_OF_EMI1
REACTOME_CDK_MEDIATED_PHOSPHORYLATION_AND_REMOVAL_OF_CDC6
REACTOME_P53_INDEPENDENT_G1_S_DNA_DAMAGE_CHECKPOINT
REACTOME_AUTODEGRADATION_OF_THE_E3_UBIQUITIN_LIGASE_COP1
REACTOME_VIF_MEDIATED_DEGRADATION_OF_APOBEC3G
KEGG_PROTEASOME
REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES
REACTOME_REGULATION_OF_APOPTOSIS
REACTOME_DESTABILIZATION_OF_MRNA_BY_AUF1_HNRNP_D0
REACTOME_RNA_POL_II_TRANSCRIPTION
REACTOME_SIGNALING_BY_WNT
BIOCARTA_PROTEASOME_PATHWAY
REACTOME_REGULATION_OF_ORNITHINE_DECARBOXYLASE_ODC
PID_MAPKTRKPATHWAY
KEGG_SPLICEOSOME
REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_AU_RICH_ELEMENTS
REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX
REACTOME_ORC1_REMOVAL_FROM_CHROMATIN
REACTOME_CDT1_ASSOCIATION_WITH_THE_CDC6_ORC_ORIGIN_COMPLEX
REACTOME_METABOLISM_OF_PROTEINS
REACTOME_INFLUENZA_LIFE_CYCLE
REACTOME_MRNA_SPLICING_MINOR_PATHWAY
REACTOME_METABOLISM_OF_MRNA
REACTOME_METABOLISM_OF_RNA
REACTOME_HIV_INFECTION
REACTOME_HOST_INTERACTIONS_OF_HIV_FACTORS
REACTOME_TRANSCRIPTION
REACTOME_HIV_LIFE_CYCLE
REACTOME_LATE_PHASE_OF_HIV_LIFE_CYCLE
KEGG_GLUTATHIONE_METABOLISM
REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX_
REACTOME_RNA_POL_II_TRANSCRIPTION_PRE_INITIATION_AND_PROMOTER_OPENING
REACTOME_MRNA_CAPPING
REACTOME_FORMATION_OF_THE_HIV1_EARLY_ELONGATION_COMPLEX
REACTOME_INTERFERON_ALPHA_BETA_SIGNALING
REACTOME_INTERFERON_SIGNALING
REACTOME_INNATE_IMMUNE_SYSTEM
KEGG_VIRAL_MYOCARDITIS
REACTOME_IMMUNOREGULATORY_INTERACTIONS_BETWEEN_A_LYMPHOID_AND_A_NON_LYMPHOID_CELL
REACTOME_NEGATIVE_REGULATORS_OF_RIG_I_MDA5_SIGNALING
REACTOME_RIG_I_MDA5_MEDIATED_INDUCTION_OF_IFN_ALPHA_BETA_PATHWAYS
REACTOME_GPCR_LIGAND_BINDING
REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTORS
REACTOME_CLASS_A1_RHODOPSIN_LIKE_RECEPTORS
BIOCARTA_LAIR_PATHWAY
ST_TUMOR_NECROSIS_FACTOR_PATHWAY
PID_TXA2PATHWAY
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION
PID_NFKAPPABCANONICALPATHWAY
KEGG_CHEMOKINE_SIGNALING_PATHWAY
KEGG_CELL_ADHESION_MOLECULES_CAMS
REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES
KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY
BIOCARTA_IL1R_PATHWAY
KEGG_APOPTOSIS
REACTOME_CYTOKINE_SIGNALING_IN_IMMUNE_SYSTEM
BIOCARTA_DEATH_PATHWAY
BIOCARTA_CYTOKINE_PATHWAY
BIOCARTA_INFLAM_PATHWAY
BIOCARTA_NTHI_PATHWAY
KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY
KEGG_LEISHMANIA_INFECTION
BIOCARTA_NFKB_PATHWAY
REACTOME_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_NLR_SIGNALING_PATHWAYS
BIOCARTA_TNFR2_PATHWAY
KEGG_NOD_LIKE_RECEPTOR_SIGNALING_PATHWAY
PID_CD40_PATHWAY
KEGG_GRAFT_VERSUS_HOST_DISEASE
REACTOME_INTERFERON_GAMMA_SIGNALING
KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY
BIOCARTA_HIVNEF_PATHWAY
PID_HIVNEFPATHWAY
KEGG_BASAL_CELL_CARCINOMA
BIOCARTA_ALK_PATHWAY
REACTOME_GLYCOSAMINOGLYCAN_METABOLISM
KEGG_ECM_RECEPTOR_INTERACTION
PID_INTEGRIN3_PATHWAY
PID_HEDGEHOG_2PATHWAY
KEGG_HEDGEHOG_SIGNALING_PATHWAY
BIOCARTA_SHH_PATHWAY
REACTOME_SULFUR_AMINO_ACID_METABOLISM
REACTOME_GENERIC_TRANSCRIPTION_PATHWAY
BIOCARTA_P53_PATHWAY
KEGG_GAP_JUNCTION
PID_TAP63PATHWAY
BIOCARTA_G1_PATHWAY
KEGG_PANCREATIC_CANCER
PID_TRAIL_PATHWAY
KEGG_MELANOMA
KEGG_DILATED_CARDIOMYOPATHY
KEGG_MTOR_SIGNALING_PATHWAY
REACTOME_SIGNAL_TRANSDUCTION_BY_L1
REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS
REACTOME_FATTY_ACID_TRIACYLGLYCEROL_AND_KETONE_BODY_METABOLISM
PID_TRKRPATHWAY
REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSCRIPTION_FACTOR_ACTIVATION
REACTOME_ERK_MAPK_TARGETS
REACTOME_SIGNALLING_BY_NGF
REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASMA_MEMBRANE
ST_PHOSPHOINOSITIDE_3_KINASE_PATHWAY
PID_P53REGULATIONPATHWAY
KEGG_ENDOCYTOSIS
REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KINASES
REACTOME_SIGNALING_BY_INSULIN_RECEPTOR
PID_BCR_5PATHWAY
REACTOME_ACTIVATION_OF_GENES_BY_ATF4
PID_P73PATHWAY
PID_SMAD2_3NUCLEARPATHWAY
PID_ATF2_PATHWAY
PID_AP1_PATHWAY
PID_REG_GR_PATHWAY
BIOCARTA_GLEEVEC_PATHWAY
PID_TELOMERASEPATHWAY
REACTOME_NFKB_AND_MAP_KINASES_ACTIVATION_MEDIATED_BY_TLR4_SIGNALING_REPERTOIRE
REACTOME_TRIF_MEDIATED_TLR3_SIGNALING
REACTOME_TRAF6_MEDIATED_INDUCTION_OF_NFKB_AND_MAP_KINASES_UPON_TLR7_8_OR_9_ACTIVATION
REACTOME_TOLL_RECEPTOR_CASCADES
REACTOME_MYD88_MAL_CASCADE_INITIATED_ON_PLASMA_MEMBRANE
REACTOME_ACTIVATED_TLR4_SIGNALLING
BIOCARTA_MET_PATHWAY
SA_B_CELL_RECEPTOR_COMPLEXES
BIOCARTA_EGF_PATHWAY
BIOCARTA_NGF_PATHWAY
BIOCARTA_IL2RB_PATHWAY
PID_NFAT_TFPATHWAY
REACTOME_MAP_KINASE_ACTIVATION_IN_TLR_CASCADE
KEGG_MAPK_SIGNALING_PATHWAY
PID_ERBB1_DOWNSTREAM_PATHWAY
REACTOME_CELL_CYCLE
REACTOME_CELL_CYCLE_MITOTIC
KEGG_CELL_CYCLE
REACTOME_CELL_CYCLE_CHECKPOINTS
REACTOME_CLASS_I_MHC_MEDIATED_ANTIGEN_PROCESSING_PRESENTATION
REACTOME_ANTIGEN_PROCESSING_UBIQUITINATION_PROTEASOME_DEGRADATION
REACTOME_REGULATION_OF_MITOTIC_CELL_CYCLE
REACTOME_AUTODEGRADATION_OF_CDH1_BY_CDH1_APC_C
REACTOME_APC_C_CDH1_MEDIATED_DEGRADATION_OF_CDC20_AND_OTHER_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1
REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_MITOTIC_PROTEINS
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS
REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B
KEGG_BLADDER_CANCER
PID_IL2_PI3KPATHWAY
PID_PDGFRBPATHWAY
ST_ERK1_ERK2_MAPK_PATHWAY
BIOCARTA_ERK_PATHWAY
ST_DIFFERENTIATION_PATHWAY_IN_PC12_CELLS
SIG_INSULIN_RECEPTOR_PATHWAY_IN_CARDIAC_MYOCYTES
PID_MET_PATHWAY
BIOCARTA_SPPA_PATHWAY
PID_FAK_PATHWAY
REACTOME_ACTIVATION_OF_CHAPERONE_GENES_BY_XBP1S
REACTOME_DIABETES_PATHWAYS
REACTOME_UNFOLDED_PROTEIN_RESPONSE
REACTOME_SIGNALING_BY_ERBB4
PID_FCER1PATHWAY
PID_LYSOPHOSPHOLIPID_PATHWAY
PID_HIF1_TFPATHWAY
REACTOME_IRON_UPTAKE_AND_TRANSPORT
BIOCARTA_IL10_PATHWAY
PID_FRA_PATHWAY
PID_IL1PATHWAY
REACTOME_SIGNALING_BY_ILS
REACTOME_IL1_SIGNALING
KEGG_SMALL_CELL_LUNG_CANCER
PID_TNFRPATHWAY
REACTOME_BIOLOGICAL_OXIDATIONS
REACTOME_CYTOCHROME_P450_ARRANGED_BY_SUBSTRATE_TYPE
KEGG_EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLORI_INFECTION
KEGG_STEROID_HORMONE_BIOSYNTHESIS
KEGG_METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P450
REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES
REACTOME_AMINO_ACID_TRANSPORT_ACROSS_THE_PLASMA_MEMBRANE
REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSPORTERS
REACTOME_PPARA_ACTIVATES_GENE_EXPRESSION
REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL


I 3R4F 0.06
I 3R4F 0.225
I THS2.2 0.06
I THS2.2 0.225
I THS2.2 1.125
I 3R4F 0.06
D 3R4F 0.225
D THS2.2 0.06
D THS2.2 0.225
D THS2.2 1.125
FD 3R4F 0.06
FD 3R4F 0.225
FD THS2.2 0.06
FD THS2.2 0.225
FD THS2.2 1.125
TNFa