NAME
BURTON_ADIPOGENESIS_6
MOOTHA_HUMAN_MITODB_6_2002
REACTOME_FATTY_ACID_TRIACYLGLYCEROL_AND_KETONE_BODY_METABOLISM
MOOTHA_MITOCHONDRIA
REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS
MOOTHA_FFA_OXYDATION
REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT
STEIN_ESRRA_TARGETS_UP
WONG_MITOCHONDRIA_GENE_MODULE
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION
STEIN_ESRRA_TARGETS
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_8D
KEGG_FATTY_ACID_METABOLISM
KEGG_OXIDATIVE_PHOSPHORYLATION
KEGG_PROPANOATE_METABOLISM
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT
KAAB_HEART_ATRIUM_VS_VENTRICLE_DN
KEGG_CITRATE_CYCLE_TCA_CYCLE
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHEMIOSMOTIC_COUPLING_
REACTOME_PYRUVATE_METABOLISM_AND_CITRIC_ACID_TCA_CYCLE
LANDIS_ERBB2_BREAST_TUMORS_324_DN
KEGG_HUNTINGTONS_DISEASE
BURTON_ADIPOGENESIS_5
MOOTHA_VOXPHOS
MOOTHA_PGC
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_WITH_H4K20ME1_MARK
KEGG_ALZHEIMERS_DISEASE
KEGG_PARKINSONS_DISEASE
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS_OK_DN
RUAN_RESPONSE_TO_TNF_DN
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_36HR
MCBRYAN_PUBERTAL_BREAST_4_5WK_DN
BLALOCK_ALZHEIMERS_DISEASE_DN
KEGG_PPAR_SIGNALING_PATHWAY
LANDIS_ERBB2_BREAST_PRENEOPLASTIC_DN
REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE
REACTOME_TRIGLYCERIDE_BIOSYNTHESIS
KEGG_PYRUVATE_METABOLISM
REACTOME_BRANCHED_CHAIN_AMINO_ACID_CATABOLISM
KEGG_PEROXISOME
CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_DN

HSIAO_LIVER_SPECIFIC_GENES
REACTOME_GLYCEROPHOSPHOLIPID_BIOSYNTHESIS
LANDIS_ERBB2_BREAST_TUMORS_65_DN
LEE_LIVER_CANCER_DENA_DN
KEGG_CARDIAC_MUSCLE_CONTRACTION
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_13
GERHOLD_ADIPOGENESIS_UP
CAIRO_LIVER_DEVELOPMENT_DN
CAIRO_HEPATOBLASTOMA_DN
ROME_INSULIN_TARGETS_IN_MUSCLE_UP
LANDIS_BREAST_CANCER_PROGRESSION_DN
KEGG_INSULIN_SIGNALING_PATHWAY
STARK_PREFRONTAL_CORTEX_22Q11_DELETION_DN
LEE_LIVER_CANCER_SURVIVAL_UP
HOSHIDA_LIVER_CANCER_SUBCLASS_S3
BOYAULT_LIVER_CANCER_SUBCLASS_G123_DN
NAKAMURA_ADIPOGENESIS_LATE_UP
KEEN_RESPONSE_TO_ROSIGLITAZONE_UP
SHEN_SMARCA2_TARGETS_UP
WANG_CLASSIC_ADIPOGENIC_TARGETS_OF_PPARG
RUAN_RESPONSE_TO_TROGLITAZONE_UP
REACTOME_PPARA_ACTIVATES_GENE_EXPRESSION
KIM_ALL_DISORDERS_OLIGODENDROCYTE_NUMBER_CORR_UP
NADLER_OBESITY_DN
RODWELL_AGING_KIDNEY_NO_BLOOD_DN
REACTOME_PHOSPHOLIPID_METABOLISM
STEGER_ADIPOGENESIS_UP
RODWELL_AGING_KIDNEY_DN
CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_UP
KIM_ALL_DISORDERS_CALB1_CORR_UP
KEGG_BUTANOATE_METABOLISM
DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_UP
ACEVEDO_LIVER_CANCER_DN
WOO_LIVER_CANCER_RECURRENCE_DN
BOCHKIS_FOXA2_TARGETS
KEGG_GLYCOLYSIS_GLUCONEOGENESIS
PARENT_MTOR_SIGNALING_UP
KAYO_CALORIE_RESTRICTION_MUSCLE_DN
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_3
ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_DN
REACTOME_GLUCOSE_METABOLISM
HUMMERICH_SKIN_CANCER_PROGRESSION_DN

ACEVEDO_NORMAL_TISSUE_ADJACENT_TO_LIVER_TUMOR_DN
REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVATIVES
DELACROIX_RAR_BOUND_ES
KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_CORR_UP
SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM4
RUAN_RESPONSE_TO_TNF_TROGLITAZONE_DN
KIM_ALL_DISORDERS_DURATION_CORR_DN
MARTINEZ_TP53_TARGETS_UP
DOANE_RESPONSE_TO_ANDROGEN_UP
MARTINEZ_RB1_AND_TP53_TARGETS_UP
GRUETZMANN_PANCREATIC_CANCER_DN
LEE_LIVER_CANCER_E2F1_DN
BERENJENO_TRANSFORMED_BY_RHOA_DN
LE_EGR2_TARGETS_DN
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_DN
WAKABAYASHI_ADIPOGENESIS_PPARG_BOUND_8D
GOLDRATH_HOMEOSTATIC_PROLIFERATION
BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN
REACTOME_METABOLISM_OF_CARBOHYDRATES
BROWNE_HCMV_INFECTION_48HR_DN
THUM_SYSTOLIC_HEART_FAILURE_DN
HOSHIDA_LIVER_CANCER_SURVIVAL_DN
NAKAMURA_TUMOR_ZONE_PERIPHERAL_VS_CENTRAL_DN
MARTINEZ_RB1_TARGETS_UP
HILLION_HMGA1B_TARGETS
SCHLOSSER_MYC_TARGETS_REPRESSED_BY_SERUM
YOSHIMURA_MAPK8_TARGETS_DN
SCHLOSSER_SERUM_RESPONSE_DN
REACTOME_METABOLISM_OF_PROTEINS
AGUIRRE_PANCREATIC_CANCER_COPY_NUMBER_UP
WAMUNYOKOLI_OVARIAN_CANCER_LMP_UP
KIM_MYC_AMPLIFICATION_TARGETS_UP
ZHOU_INFLAMMATORY_RESPONSE_LIVE_DN
RAO_BOUND_BY_SALL4
YOSHIMURA_MAPK8_TARGETS_UP
SMID_BREAST_CANCER_BASAL_DN
COULOUARN_TEMPORAL_TGFB1_SIGNATURE_DN
IVANOVA_HEMATOPOIESIS_EARLY_PROGENITOR
LEE_LIVER_CANCER_CIPROFIBRATE_UP
GERY_CEBP_TARGETS
GOZGIT_ESR1_TARGETS_UP
GABRIELY_MIR21_TARGETS

KYNG_DNA_DAMAGE_DN
KARLSSON_TGFB1_TARGETS_DN
CAIRO_HEPATOBLASTOMA_UP
CADWELL_ATG16L1_TARGETS_UP
KOYAMA_SEMA3B_TARGETS_DN
VANOEVELEN_MYOGENESIS_SIN3A_TARGETS
GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_UP
WATANABE_RECTAL_CANCER_RADIOTHERAPY_RESPONSIVE_UP
FARMER_BREAST_CANCER_APOCRINE_VS_LUMINAL
CHYLA_CBFA2T3_TARGETS_DN
YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP
HEDENFALK_BREAST_CANCER_BRCA1_VS_BRCA2
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_UP
MAHAJAN_RESPONSE_TO_IL1A_DN
MCBRYAN_PUBERTAL_BREAST_6_7WK_UP
MILI_PSEUDOPODIA_HAPTOTAXIS_UP
PURBEY_TARGETS_OF_CTBP1_NOT_SATB1_UP
DAIRKEE_TERT_TARGETS_UP
REACTOME_INTEGRATION_OF_ENERGY_METABOLISM
MEISSNER_NPC_HCP_WITH_H3K4ME2
URS_ADIPOCYTE_DIFFERENTIATION_UP
REACTOME_BIOLOGICAL_OXIDATIONS
VERHAAK_GLIOBLASTOMA_MESENCHYMAL
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_DONOR_UP
DAZARD_RESPONSE_TO_UV_NHEK_UP
YANG_BCL3_TARGETS_UP
TAKAO_RESPONSE_TO_UVB_RADIATION_UP
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_LMP1_DN
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17
RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_DN
GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN
UEDA_PERIFERAL_CLOCK
WANG_SMARCE1_TARGETS_DN
MIKKELSEN_ES_ICP_WITH_H3K4ME3
SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_DN
BASAKI_YBX1_TARGETS_DN
DAVICIONI_MOLECULAR_ARMS_VS_ERMS_UP
MCBRYAN_PUBERTAL_BREAST_5_6WK_DN
SHEPARD_CRUSH_AND_BURN_MUTANT_UP
LIM_MAMMARY_STEM_CELL_DN
MOHANKUMAR_TLX1_TARGETS_UP
WEST_ADRENOCORTICAL_TUMOR_DN

MONNIER_POSTRADIATION_TUMOR_ESCAPE_DN
DITTMER_PTHLH_TARGETS_UP
ACEVEDO_FGFR1_TARGETS_IN_PROSTATE_CANCER_MODEL_DN
AFFAR_YY1_TARGETS_UP
LU_AGING_BRAIN_UP
JOHNSTONE_PARVB_TARGETS_3_UP
LIM_MAMMARY_STEM_CELL_UP
KAYO_AGING_MUSCLE_DN
OUELLET_CULTURED_OVARIAN_CANCER_INVASIVE_VS_LMP_UP
ONKEN_UVEAL_MELANOMA_DN
BUYTAERT_PHOTODYNAMIC_THERAPY_STRESS_UP
DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_UP
OKUMURA_INFLAMMATORY_RESPONSE_LPS
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_CIS
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_MONOCYTE_UP
SMID_BREAST_CANCER_LUMINAL_A_UP
LIU_PROSTATE_CANCER_DN
DUTERTRE_ESTRADIOL_RESPONSE_24HR_DN
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN
EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP
RATTENBACHER_BOUND_BY_CELF1
HSIAO_HOUSEKEEPING_GENES
FEVR_CTNNB1_TARGETS_UP
CHEMNITZ_RESPONSE_TO_PROSTAGLANDIN_E2_DN
DURAND_STROMA_MAX_UP
MIKKELSEN_NPC_ICP_WITH_H3K4ME3
RUTELLA_RESPONSE_TO_HGF_UP
GAZDA_DIAMOND_BLACKFAN_ANEMIA_ERYTHROID_DN
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_4
LEIN_CHOROID_PLEXUS_MARKERS
VECCHI_GASTRIC_CANCER_EARLY_DN
JOHNSTONE_PARVB_TARGETS_2_DN
RUTELLA_RESPONSE_TO_HGF_VS_CSF2RB_AND_IL4_UP
GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_DN
PENG_RAPAMYCIN_RESPONSE_DN
KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_UP
KAYO_AGING_MUSCLE_UP
MILI_PSEUDOPODIA_CHEMOTAXIS_DN
QI_HYPOXIA
CHANDRAN_METASTASIS_DN
IWANAGA_CARCINOGENESIS_BY_KRAS_PTEN_DN
ALONSO_METASTASIS_UP

DELACROIX_RARG_BOUND_MEF
KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
MULLIGHAN_NPM1_MUTATED_SIGNATURE_1_UP
PHONG_TNF_RESPONSE_VIA_P38_COMPLETE
FORTSCHEGGER_PHF8_TARGETS_DN
WANG_MLL_TARGETS
RICKMAN_METASTASIS_UP
ELVIDGE_HYPOXIA_UP
BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER_DN
LIU_SOX4_TARGETS_DN
ZHOU_INFLAMMATORY_RESPONSE_FIMA_DN
KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_UP
MCBRYAN_PUBERTAL_BREAST_5_6WK_UP
LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_UP
BENPORATH_MYC_MAX_TARGETS
ELVIDGE_HIF1A_TARGETS_DN
GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_DN
LOCKWOOD_AMPLIFIED_IN_LUNG_CANCER
IVANOVA_HEMATOPOIESIS_STEM_CELL_AND_PROGENITOR
DER_IFN_BETA_RESPONSE_UP
CAIRO_HEPATOBLASTOMA_CLASSES_DN
WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UP
BOQUEST_STEM_CELL_UP
BENPORATH_PRC2_TARGETS
ELVIDGE_HIF1A_AND_HIF2A_TARGETS_DN
LENAOUR_DENDRITIC_CELL_MATURATION_UP
LU_EZH2_TARGETS_UP
PILON_KLF1_TARGETS_UP
LABBE_TGFB1_TARGETS_DN
ENK_UV_RESPONSE_KERATINOCYTE_UP
JAATINEN_HEMATOPOIETIC_STEM_CELL_UP
RAO_BOUND_BY_SALL4_ISOFORM_A
MIKKELSEN_MEF_HCP_WITH_H3K27ME3
RUTELLA_RESPONSE_TO_CSF2RB_AND_IL4_DN
ZHANG_RESPONSE_TO_CANTHARIDIN_DN
BAKKER_FOXO3_TARGETS_DN
REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES
RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_POORLY_UP
BIDUS_METASTASIS_DN
SMID_BREAST_CANCER_LUMINAL_B_UP
SERVITJA_LIVER_HNF1A_TARGETS_UP
JIANG_HYPOXIA_NORMAL

ZWANG_CLASS_3_TRANSIENTLY_INDUCED_BY_EGF
ODONNELL_TFRC_TARGETS_UP
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_5
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_DN
KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN
ELVIDGE_HYPOXIA_BY_DMOG_UP
DELYS_THYROID_CANCER_DN
LI_AMPLIFIED_IN_LUNG_CANCER
ELVIDGE_HYPOXIA_DN
LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_DN
DODD_NASOPHARYNGEAL_CARCINOMA_UP
MULLIGHAN_MLL_SIGNATURE_2_DN
PURBEY_TARGETS_OF_CTBP1_AND_SATB1_DN
SHEDDEN_LUNG_CANCER_GOOD_SURVIVAL_A4
CHANG_CORE_SERUM_RESPONSE_DN
FARMER_BREAST_CANCER_APOCRINE_VS_BASAL
LEE_NEURAL_CREST_STEM_CELL_UP
RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_DN
LINDGREN_BLADDER_CANCER_CLUSTER_3_DN
BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_B
ONKEN_UVEAL_MELANOMA_UP
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_UP
IVANOVA_HEMATOPOIESIS_STEM_CELL
YAGI_AML_WITH_INV_16_TRANSLOCATION
ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_UP
HORIUCHI_WTAP_TARGETS_UP
LOPEZ_MBD_TARGETS
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9
TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_UP
KYNG_WERNER_SYNDROM_AND_NORMAL_AGING_DN
GAUSSMANN_MLL_AF4_FUSION_TARGETS_G_UP
FULCHER_INFLAMMATORY_RESPONSE_LECTIN_VS_LPS_DN
BROWNE_HCMV_INFECTION_20HR_UP
VANTVEER_BREAST_CANCER_ESR1_UP
MOREAUX_MULTIPLE_MYELOMA_BY_TACI_UP
DOUGLAS_BMI1_TARGETS_DN
MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP
CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_DN
FERNANDEZ_BOUND_BY_MYC
KEGG_GLUTATHIONE_METABOLISM
NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_DN
WINTER_HYPOXIA_METAGENE

PLASARI_TGFB1_TARGETS_10HR_DN
SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_1
BONOME_OVARIAN_CANCER_SURVIVAL_OPTIMAL_DEBULKING
IGLESIAS_E2F_TARGETS_UP
XU_GH1_AUTOCRINE_TARGETS_DN
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_7
RHEIN_ALL_GLUCOCORTICOID_THERAPY_DN
POTTI_TOPOTECAN_SENSITIVITY
KONDO_EZH2_TARGETS
ELVIDGE_HYPOXIA_BY_DMOG_DN
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_DN
FOSTER_KDM1A_TARGETS_DN
MEISSNER_NPC_HCP_WITH_H3_UNMETHYLATED
REACTOME_DEVELOPMENTAL_BIOLOGY
BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_DN
BOQUEST_STEM_CELL_CULTURED_VS_FRESH_UP
CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP
ENK_UV_RESPONSE_KERATINOCYTE_DN
FORTSCHEGGER_PHF8_TARGETS_UP
SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP
BENPORATH_SUZ12_TARGETS
MARTINEZ_RB1_TARGETS_DN
WEI_MIR34A_TARGETS
BROWNE_HCMV_INFECTION_18HR_DN
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN_QTL_TRANS
WELCSH_BRCA1_TARGETS_UP
BENPORATH_ES_WITH_H3K27ME3
MIYAGAWA_TARGETS_OF_EWSR1_ETS_FUSIONS_DN
TSENG_IRS1_TARGETS_DN
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_DN
ZWANG_TRANSIENTLY_UP_BY_1ST_EGF_PULSE_ONLY
BROWNE_HCMV_INFECTION_1HR_DN
MCCLUNG_CREB1_TARGETS_UP
YEGNASUBRAMANIAN_PROSTATE_CANCER
SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP
LIU_CMYB_TARGETS_UP
BRUINS_UVC_RESPONSE_EARLY_LATE
WEI_MYCN_TARGETS_WITH_E_BOX
GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_UP
RAO_BOUND_BY_SALL4_ISOFORM_B
KEGG_LYSOSOME
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_DN

LINDGREN_BLADDER_CANCER_CLUSTER_2A_DN
SESTO_RESPONSE_TO_UV_C8
MASSARWEH_TAMOXIFEN_RESISTANCE_UP
FULCHER_INFLAMMATORY_RESPONSE_LECTIN_VS_LPS_UP
ZHANG_TLX_TARGETS_60HR_UP
KIM_WT1_TARGETS_8HR_DN
BONOME_OVARIAN_CANCER_SURVIVAL_SUBOPTIMAL_DEBULKING
FOSTER_TOLERANT_MACROPHAGE_UP
SWEET_LUNG_CANCER_KRAS_DN
ZWANG_TRANSIENTLY_UP_BY_2ND_EGF_PULSE_ONLY
DANG_BOUND_BY_MYC
FARMER_BREAST_CANCER_BASAL_VS_LULMINAL
GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_UP
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP
SENESE_HDAC1_TARGETS_DN
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_6
BRUINS_UVC_RESPONSE_LATE
ACEVEDO_METHYLATED_IN_LIVER_CANCER_DN
RUTELLA_RESPONSE_TO_CSF2RB_AND_IL4_UP
OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_UP
KATSANOU_ELAVL1_TARGETS_DN
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_12
ACEVEDO_LIVER_CANCER_UP
RIGGINS_TAMOXIFEN_RESISTANCE_DN
DURAND_STROMA_MAX_DN
BOUDOUKHA_BOUND_BY_IGF2BP2
WESTON_VEGFA_TARGETS
HAN_SATB1_TARGETS_UP
BENPORATH_SOX2_TARGETS
KYNG_DNA_DAMAGE_UP
REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
SANSOM_APC_TARGETS_DN
CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_DN
MULLIGHAN_MLL_SIGNATURE_1_DN
KAYO_CALORIE_RESTRICTION_MUSCLE_UP
OSMAN_BLADDER_CANCER_UP
AMUNDSON_RESPONSE_TO_ARSENITE
MARTENS_TRETINOIN_RESPONSE_UP
REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASMA_MEMBRANE
OSWALD_HEMATOPOIETIC_STEM_CELL_IN_COLLAGEN_GEL_DN
DURCHDEWALD_SKIN_CARCINOGENESIS_DN
WANG_TUMOR_INVASIVENESS_UP

GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_UP
PID_HIF1_TFPATHWAY
MULLIGHAN_NPM1_SIGNATURE_3_UP
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_TRANS
MCCABE_BOUND_BY_HOXC6
STARK_PREFRONTAL_CORTEX_22Q11_DELETION_UP
TIEN_INTESTINE_PROBIOTICS_6HR_DN
PEDRIOLI_MIR31_TARGETS_DN
BROWN_MYELOID_CELL_DEVELOPMENT_UP
VANDESLUIS_COMMD1_TARGETS_GROUP_3_UP
DACOSTA_UV_RESPONSE_VIA_ERCC3_UP
LEE_BMP2_TARGETS_UP
WANG_SMARCE1_TARGETS_UP
HOLLMANN_APOPTOSIS_VIA_CD40_DN
HATADA_METHYLATED_IN_LUNG_CANCER_UP
ZHANG_TLX_TARGETS_36HR_UP
DOUGLAS_BMI1_TARGETS_UP
SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_UP
ENK_UV_RESPONSE_EPIDERMIS_DN
ENK_UV_RESPONSE_EPIDERMIS_UP
YAMAZAKI_TCEB3_TARGETS_DN
WANG_CISPLATIN_RESPONSE_AND_XPC_DN
MARTORIATI_MDM4_TARGETS_FETAL_LIVER_UP
SMITH_TERT_TARGETS_DN
DAVICIONI_MOLECULAR_ARMS_VS_ERMS_DN
SANSOM_APC_MYC_TARGETS
WANG_LMO4_TARGETS_UP
NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_UP
TOOKER_GEMCITABINE_RESISTANCE_DN
LIU_SOX4_TARGETS_UP
WANG_CLIM2_TARGETS_UP
LU_EZH2_TARGETS_DN
LEE_RECENT_THYMIC_EMIGRANT
MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP
GARY_CD5_TARGETS_UP
MITSIADES_RESPONSE_TO_APLIDIN_UP
REACTOME_SIGNALLING_BY_NGF
IVANOVA_HEMATOPOIESIS_MATURE_CELL
BAELDE_DIABETIC_NEPHROPATHY_DN
BHAT_ESR1_TARGETS_VIA_AKT1_UP
RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFERENTIATED_DN
REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRANSPORT

RUIZ_TNC_TARGETS_UP
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_LMP1_UP
RIGGI_EWING_SARCOMA_PROGENITOR_UP
CONCANNON_APOPTOSIS_BY_EPOXOMICIN_UP
KOYAMA_SEMA3B_TARGETS_UP
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_8D_DN
VERHAAK_GLIOBLASTOMA_CLASSICAL
NUYTTEN_NIPP1_TARGETS_UP
MCBRYAN_PUBERTAL_BREAST_3_4WK_UP
PEREZ_TP63_TARGETS
HUTTMANN_B_CLL_POOR_SURVIVAL_UP
JAEGER_METASTASIS_DN
DEBIASI_APOPTOSIS_BY_REOVIRUS_INFECTION_UP
MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27ME3
FOSTER_KDM1A_TARGETS_UP
SWEET_LUNG_CANCER_KRAS_UP
DARWICHE_PAPILLOMA_RISK_LOW_UP
ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_UP
LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_UP
PEREZ_TP53_TARGETS
SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_DN
GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_DN
MONNIER_POSTRADIATION_TUMOR_ESCAPE_UP
CUI_TCF21_TARGETS_2_DN
IVANOVA_HEMATOPOIESIS_STEM_CELL_LONG_TERM
DARWICHE_SQUAMOUS_CELL_CARCINOMA_UP
WAMUNYOKOLI_OVARIAN_CANCER_LMP_DN
GAVIN_FOXP3_TARGETS_CLUSTER_T7
VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP
ALFANO_MYC_TARGETS
DARWICHE_PAPILLOMA_RISK_HIGH_UP

GS
 follow link to MSigDB
BURTON_ADIPOGENESIS_6
MOOTHA_HUMAN_MITODB_6_2002
REACTOME_FATTY_ACID_TRIACYLGLYCEROL_AND_KETONE_BODY_METABOLISM
MOOTHA_MITOCHONDRIA
REACTOME_METABOLISM_OF_LIPIDS_AND_LIPOPROTEINS
MOOTHA_FFA_OXYDATION
REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT
STEIN_ESRRA_TARGETS_UP
WONG_MITOCHONDRIA_GENE_MODULE
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION
STEIN_ESRRA_TARGETS
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_8D
KEGG_FATTY_ACID_METABOLISM
KEGG_OXIDATIVE_PHOSPHORYLATION
KEGG_PROPANOATE_METABOLISM
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT
KAAB_HEART_ATRIUM_VS_VENTRICLE_DN
KEGG_CITRATE_CYCLE_TCA_CYCLE
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHEMIOSMOTIC_COUPLING_
REACTOME_PYRUVATE_METABOLISM_AND_CITRIC_ACID_TCA_CYCLE
LANDIS_ERBB2_BREAST_TUMORS_324_DN
KEGG_HUNTINGTONS_DISEASE
BURTON_ADIPOGENESIS_5
MOOTHA_VOXPHOS
MOOTHA_PGC
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_WITH_H4K20ME1_MARK
KEGG_ALZHEIMERS_DISEASE
KEGG_PARKINSONS_DISEASE
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS_OK_DN
RUAN_RESPONSE_TO_TNF_DN
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_36HR
MCBRYAN_PUBERTAL_BREAST_4_5WK_DN
BLALOCK_ALZHEIMERS_DISEASE_DN
KEGG_PPAR_SIGNALING_PATHWAY
LANDIS_ERBB2_BREAST_PRENEOPLASTIC_DN
REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE
REACTOME_TRIGLYCERIDE_BIOSYNTHESIS
KEGG_PYRUVATE_METABOLISM
REACTOME_BRANCHED_CHAIN_AMINO_ACID_CATABOLISM
KEGG_PEROXISOME
CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_DN

HSIAO_LIVER_SPECIFIC_GENES
REACTOME_GLYCEROPHOSPHOLIPID_BIOSYNTHESIS
LANDIS_ERBB2_BREAST_TUMORS_65_DN
LEE_LIVER_CANCER_DENA_DN
KEGG_CARDIAC_MUSCLE_CONTRACTION
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_13
GERHOLD_ADIPOGENESIS_UP
CAIRO_LIVER_DEVELOPMENT_DN
CAIRO_HEPATOBLASTOMA_DN
ROME_INSULIN_TARGETS_IN_MUSCLE_UP
LANDIS_BREAST_CANCER_PROGRESSION_DN
KEGG_INSULIN_SIGNALING_PATHWAY
STARK_PREFRONTAL_CORTEX_22Q11_DELETION_DN
LEE_LIVER_CANCER_SURVIVAL_UP
HOSHIDA_LIVER_CANCER_SUBCLASS_S3
BOYAULT_LIVER_CANCER_SUBCLASS_G123_DN
NAKAMURA_ADIPOGENESIS_LATE_UP
KEEN_RESPONSE_TO_ROSIGLITAZONE_UP
SHEN_SMARCA2_TARGETS_UP
WANG_CLASSIC_ADIPOGENIC_TARGETS_OF_PPARG
RUAN_RESPONSE_TO_TROGLITAZONE_UP
REACTOME_PPARA_ACTIVATES_GENE_EXPRESSION
KIM_ALL_DISORDERS_OLIGODENDROCYTE_NUMBER_CORR_UP
NADLER_OBESITY_DN
RODWELL_AGING_KIDNEY_NO_BLOOD_DN
REACTOME_PHOSPHOLIPID_METABOLISM
STEGER_ADIPOGENESIS_UP
RODWELL_AGING_KIDNEY_DN
CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_UP
KIM_ALL_DISORDERS_CALB1_CORR_UP
KEGG_BUTANOATE_METABOLISM
DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_UP
ACEVEDO_LIVER_CANCER_DN
WOO_LIVER_CANCER_RECURRENCE_DN
BOCHKIS_FOXA2_TARGETS
KEGG_GLYCOLYSIS_GLUCONEOGENESIS
PARENT_MTOR_SIGNALING_UP
KAYO_CALORIE_RESTRICTION_MUSCLE_DN
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_3
ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_DN
REACTOME_GLUCOSE_METABOLISM
HUMMERICH_SKIN_CANCER_PROGRESSION_DN

ACEVEDO_NORMAL_TISSUE_ADJACENT_TO_LIVER_TUMOR_DN
REACTOME_METABOLISM_OF_AMINO_ACIDS_AND_DERIVATIVES
DELACROIX_RAR_BOUND_ES
KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_CORR_UP
SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM4
RUAN_RESPONSE_TO_TNF_TROGLITAZONE_DN
KIM_ALL_DISORDERS_DURATION_CORR_DN
MARTINEZ_TP53_TARGETS_UP
DOANE_RESPONSE_TO_ANDROGEN_UP
MARTINEZ_RB1_AND_TP53_TARGETS_UP
GRUETZMANN_PANCREATIC_CANCER_DN
LEE_LIVER_CANCER_E2F1_DN
BERENJENO_TRANSFORMED_BY_RHOA_DN
LE_EGR2_TARGETS_DN
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_DN
WAKABAYASHI_ADIPOGENESIS_PPARG_BOUND_8D
GOLDRATH_HOMEOSTATIC_PROLIFERATION
BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN
REACTOME_METABOLISM_OF_CARBOHYDRATES
BROWNE_HCMV_INFECTION_48HR_DN
THUM_SYSTOLIC_HEART_FAILURE_DN
HOSHIDA_LIVER_CANCER_SURVIVAL_DN
NAKAMURA_TUMOR_ZONE_PERIPHERAL_VS_CENTRAL_DN
MARTINEZ_RB1_TARGETS_UP
HILLION_HMGA1B_TARGETS
SCHLOSSER_MYC_TARGETS_REPRESSED_BY_SERUM
YOSHIMURA_MAPK8_TARGETS_DN
SCHLOSSER_SERUM_RESPONSE_DN
REACTOME_METABOLISM_OF_PROTEINS
AGUIRRE_PANCREATIC_CANCER_COPY_NUMBER_UP
WAMUNYOKOLI_OVARIAN_CANCER_LMP_UP
KIM_MYC_AMPLIFICATION_TARGETS_UP
ZHOU_INFLAMMATORY_RESPONSE_LIVE_DN
RAO_BOUND_BY_SALL4
YOSHIMURA_MAPK8_TARGETS_UP
SMID_BREAST_CANCER_BASAL_DN
COULOUARN_TEMPORAL_TGFB1_SIGNATURE_DN
IVANOVA_HEMATOPOIESIS_EARLY_PROGENITOR
LEE_LIVER_CANCER_CIPROFIBRATE_UP
GERY_CEBP_TARGETS
GOZGIT_ESR1_TARGETS_UP
GABRIELY_MIR21_TARGETS

KYNG_DNA_DAMAGE_DN
KARLSSON_TGFB1_TARGETS_DN
CAIRO_HEPATOBLASTOMA_UP
CADWELL_ATG16L1_TARGETS_UP
KOYAMA_SEMA3B_TARGETS_DN
VANOEVELEN_MYOGENESIS_SIN3A_TARGETS
GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_UP
WATANABE_RECTAL_CANCER_RADIOTHERAPY_RESPONSIVE_UP
FARMER_BREAST_CANCER_APOCRINE_VS_LUMINAL
CHYLA_CBFA2T3_TARGETS_DN
YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP
HEDENFALK_BREAST_CANCER_BRCA1_VS_BRCA2
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_UP
MAHAJAN_RESPONSE_TO_IL1A_DN
MCBRYAN_PUBERTAL_BREAST_6_7WK_UP
MILI_PSEUDOPODIA_HAPTOTAXIS_UP
PURBEY_TARGETS_OF_CTBP1_NOT_SATB1_UP
DAIRKEE_TERT_TARGETS_UP
REACTOME_INTEGRATION_OF_ENERGY_METABOLISM
MEISSNER_NPC_HCP_WITH_H3K4ME2
URS_ADIPOCYTE_DIFFERENTIATION_UP
REACTOME_BIOLOGICAL_OXIDATIONS
VERHAAK_GLIOBLASTOMA_MESENCHYMAL
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_DONOR_UP
DAZARD_RESPONSE_TO_UV_NHEK_UP
YANG_BCL3_TARGETS_UP
TAKAO_RESPONSE_TO_UVB_RADIATION_UP
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_LMP1_DN
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17
RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_DN
GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN
UEDA_PERIFERAL_CLOCK
WANG_SMARCE1_TARGETS_DN
MIKKELSEN_ES_ICP_WITH_H3K4ME3
SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_DN
BASAKI_YBX1_TARGETS_DN
DAVICIONI_MOLECULAR_ARMS_VS_ERMS_UP
MCBRYAN_PUBERTAL_BREAST_5_6WK_DN
SHEPARD_CRUSH_AND_BURN_MUTANT_UP
LIM_MAMMARY_STEM_CELL_DN
MOHANKUMAR_TLX1_TARGETS_UP
WEST_ADRENOCORTICAL_TUMOR_DN

MONNIER_POSTRADIATION_TUMOR_ESCAPE_DN
DITTMER_PTHLH_TARGETS_UP
ACEVEDO_FGFR1_TARGETS_IN_PROSTATE_CANCER_MODEL_DN
AFFAR_YY1_TARGETS_UP
LU_AGING_BRAIN_UP
JOHNSTONE_PARVB_TARGETS_3_UP
LIM_MAMMARY_STEM_CELL_UP
KAYO_AGING_MUSCLE_DN
OUELLET_CULTURED_OVARIAN_CANCER_INVASIVE_VS_LMP_UP
ONKEN_UVEAL_MELANOMA_DN
BUYTAERT_PHOTODYNAMIC_THERAPY_STRESS_UP
DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_UP
OKUMURA_INFLAMMATORY_RESPONSE_LPS
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_CIS
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_MONOCYTE_UP
SMID_BREAST_CANCER_LUMINAL_A_UP
LIU_PROSTATE_CANCER_DN
DUTERTRE_ESTRADIOL_RESPONSE_24HR_DN
GRAESSMANN_APOPTOSIS_BY_DOXORUBICIN_DN
EBAUER_TARGETS_OF_PAX3_FOXO1_FUSION_UP
RATTENBACHER_BOUND_BY_CELF1
HSIAO_HOUSEKEEPING_GENES
FEVR_CTNNB1_TARGETS_UP
CHEMNITZ_RESPONSE_TO_PROSTAGLANDIN_E2_DN
DURAND_STROMA_MAX_UP
MIKKELSEN_NPC_ICP_WITH_H3K4ME3
RUTELLA_RESPONSE_TO_HGF_UP
GAZDA_DIAMOND_BLACKFAN_ANEMIA_ERYTHROID_DN
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_4
LEIN_CHOROID_PLEXUS_MARKERS
VECCHI_GASTRIC_CANCER_EARLY_DN
JOHNSTONE_PARVB_TARGETS_2_DN
RUTELLA_RESPONSE_TO_HGF_VS_CSF2RB_AND_IL4_UP
GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_DN
PENG_RAPAMYCIN_RESPONSE_DN
KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_UP
KAYO_AGING_MUSCLE_UP
MILI_PSEUDOPODIA_CHEMOTAXIS_DN
QI_HYPOXIA
CHANDRAN_METASTASIS_DN
IWANAGA_CARCINOGENESIS_BY_KRAS_PTEN_DN
ALONSO_METASTASIS_UP

DELACROIX_RARG_BOUND_MEF
KRIGE_RESPONSE_TO_TOSEDOSTAT_24HR_DN
MULLIGHAN_NPM1_MUTATED_SIGNATURE_1_UP
PHONG_TNF_RESPONSE_VIA_P38_COMPLETE
FORTSCHEGGER_PHF8_TARGETS_DN
WANG_MLL_TARGETS
RICKMAN_METASTASIS_UP
ELVIDGE_HYPOXIA_UP
BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER_DN
LIU_SOX4_TARGETS_DN
ZHOU_INFLAMMATORY_RESPONSE_FIMA_DN
KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_UP
MCBRYAN_PUBERTAL_BREAST_5_6WK_UP
LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_UP
BENPORATH_MYC_MAX_TARGETS
ELVIDGE_HIF1A_TARGETS_DN
GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_DN
LOCKWOOD_AMPLIFIED_IN_LUNG_CANCER
IVANOVA_HEMATOPOIESIS_STEM_CELL_AND_PROGENITOR
DER_IFN_BETA_RESPONSE_UP
CAIRO_HEPATOBLASTOMA_CLASSES_DN
WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UP
BOQUEST_STEM_CELL_UP
BENPORATH_PRC2_TARGETS
ELVIDGE_HIF1A_AND_HIF2A_TARGETS_DN
LENAOUR_DENDRITIC_CELL_MATURATION_UP
LU_EZH2_TARGETS_UP
PILON_KLF1_TARGETS_UP
LABBE_TGFB1_TARGETS_DN
ENK_UV_RESPONSE_KERATINOCYTE_UP
JAATINEN_HEMATOPOIETIC_STEM_CELL_UP
RAO_BOUND_BY_SALL4_ISOFORM_A
MIKKELSEN_MEF_HCP_WITH_H3K27ME3
RUTELLA_RESPONSE_TO_CSF2RB_AND_IL4_DN
ZHANG_RESPONSE_TO_CANTHARIDIN_DN
BAKKER_FOXO3_TARGETS_DN
REACTOME_TRANSMEMBRANE_TRANSPORT_OF_SMALL_MOLECULES
RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_POORLY_UP
BIDUS_METASTASIS_DN
SMID_BREAST_CANCER_LUMINAL_B_UP
SERVITJA_LIVER_HNF1A_TARGETS_UP
JIANG_HYPOXIA_NORMAL

ZWANG_CLASS_3_TRANSIENTLY_INDUCED_BY_EGF
ODONNELL_TFRC_TARGETS_UP
CREIGHTON_ENDOCRINE_THERAPY_RESISTANCE_5
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_DN
KRIGE_RESPONSE_TO_TOSEDOSTAT_6HR_DN
ELVIDGE_HYPOXIA_BY_DMOG_UP
DELYS_THYROID_CANCER_DN
LI_AMPLIFIED_IN_LUNG_CANCER
ELVIDGE_HYPOXIA_DN
LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_DN
DODD_NASOPHARYNGEAL_CARCINOMA_UP
MULLIGHAN_MLL_SIGNATURE_2_DN
PURBEY_TARGETS_OF_CTBP1_AND_SATB1_DN
SHEDDEN_LUNG_CANCER_GOOD_SURVIVAL_A4
CHANG_CORE_SERUM_RESPONSE_DN
FARMER_BREAST_CANCER_APOCRINE_VS_BASAL
LEE_NEURAL_CREST_STEM_CELL_UP
RODRIGUES_THYROID_CARCINOMA_ANAPLASTIC_DN
LINDGREN_BLADDER_CANCER_CLUSTER_3_DN
BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_B
ONKEN_UVEAL_MELANOMA_UP
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_UP
IVANOVA_HEMATOPOIESIS_STEM_CELL
YAGI_AML_WITH_INV_16_TRANSLOCATION
ACEVEDO_LIVER_TUMOR_VS_NORMAL_ADJACENT_TISSUE_UP
HORIUCHI_WTAP_TARGETS_UP
LOPEZ_MBD_TARGETS
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9
TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_UP
KYNG_WERNER_SYNDROM_AND_NORMAL_AGING_DN
GAUSSMANN_MLL_AF4_FUSION_TARGETS_G_UP
FULCHER_INFLAMMATORY_RESPONSE_LECTIN_VS_LPS_DN
BROWNE_HCMV_INFECTION_20HR_UP
VANTVEER_BREAST_CANCER_ESR1_UP
MOREAUX_MULTIPLE_MYELOMA_BY_TACI_UP
DOUGLAS_BMI1_TARGETS_DN
MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP
CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_DN
FERNANDEZ_BOUND_BY_MYC
KEGG_GLUTATHIONE_METABOLISM
NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_DN
WINTER_HYPOXIA_METAGENE

PLASARI_TGFB1_TARGETS_10HR_DN
SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_1
BONOME_OVARIAN_CANCER_SURVIVAL_OPTIMAL_DEBULKING
IGLESIAS_E2F_TARGETS_UP
XU_GH1_AUTOCRINE_TARGETS_DN
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_7
RHEIN_ALL_GLUCOCORTICOID_THERAPY_DN
POTTI_TOPOTECAN_SENSITIVITY
KONDO_EZH2_TARGETS
ELVIDGE_HYPOXIA_BY_DMOG_DN
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_DN
FOSTER_KDM1A_TARGETS_DN
MEISSNER_NPC_HCP_WITH_H3_UNMETHYLATED
REACTOME_DEVELOPMENTAL_BIOLOGY
BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_DN
BOQUEST_STEM_CELL_CULTURED_VS_FRESH_UP
CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP
ENK_UV_RESPONSE_KERATINOCYTE_DN
FORTSCHEGGER_PHF8_TARGETS_UP
SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP
BENPORATH_SUZ12_TARGETS
MARTINEZ_RB1_TARGETS_DN
WEI_MIR34A_TARGETS
BROWNE_HCMV_INFECTION_18HR_DN
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN_QTL_TRANS
WELCSH_BRCA1_TARGETS_UP
BENPORATH_ES_WITH_H3K27ME3
MIYAGAWA_TARGETS_OF_EWSR1_ETS_FUSIONS_DN
TSENG_IRS1_TARGETS_DN
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_DN
ZWANG_TRANSIENTLY_UP_BY_1ST_EGF_PULSE_ONLY
BROWNE_HCMV_INFECTION_1HR_DN
MCCLUNG_CREB1_TARGETS_UP
YEGNASUBRAMANIAN_PROSTATE_CANCER
SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP
LIU_CMYB_TARGETS_UP
BRUINS_UVC_RESPONSE_EARLY_LATE
WEI_MYCN_TARGETS_WITH_E_BOX
GRAESSMANN_APOPTOSIS_BY_SERUM_DEPRIVATION_UP
RAO_BOUND_BY_SALL4_ISOFORM_B
KEGG_LYSOSOME
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_DN

LINDGREN_BLADDER_CANCER_CLUSTER_2A_DN
SESTO_RESPONSE_TO_UV_C8
MASSARWEH_TAMOXIFEN_RESISTANCE_UP
FULCHER_INFLAMMATORY_RESPONSE_LECTIN_VS_LPS_UP
ZHANG_TLX_TARGETS_60HR_UP
KIM_WT1_TARGETS_8HR_DN
BONOME_OVARIAN_CANCER_SURVIVAL_SUBOPTIMAL_DEBULKING
FOSTER_TOLERANT_MACROPHAGE_UP
SWEET_LUNG_CANCER_KRAS_DN
ZWANG_TRANSIENTLY_UP_BY_2ND_EGF_PULSE_ONLY
DANG_BOUND_BY_MYC
FARMER_BREAST_CANCER_BASAL_VS_LULMINAL
GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_UP
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP
SENESE_HDAC1_TARGETS_DN
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_6
BRUINS_UVC_RESPONSE_LATE
ACEVEDO_METHYLATED_IN_LIVER_CANCER_DN
RUTELLA_RESPONSE_TO_CSF2RB_AND_IL4_UP
OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_UP
KATSANOU_ELAVL1_TARGETS_DN
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_12
ACEVEDO_LIVER_CANCER_UP
RIGGINS_TAMOXIFEN_RESISTANCE_DN
DURAND_STROMA_MAX_DN
BOUDOUKHA_BOUND_BY_IGF2BP2
WESTON_VEGFA_TARGETS
HAN_SATB1_TARGETS_UP
BENPORATH_SOX2_TARGETS
KYNG_DNA_DAMAGE_UP
REN_ALVEOLAR_RHABDOMYOSARCOMA_DN
SANSOM_APC_TARGETS_DN
CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_DN
MULLIGHAN_MLL_SIGNATURE_1_DN
KAYO_CALORIE_RESTRICTION_MUSCLE_UP
OSMAN_BLADDER_CANCER_UP
AMUNDSON_RESPONSE_TO_ARSENITE
MARTENS_TRETINOIN_RESPONSE_UP
REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASMA_MEMBRANE
OSWALD_HEMATOPOIETIC_STEM_CELL_IN_COLLAGEN_GEL_DN
DURCHDEWALD_SKIN_CARCINOGENESIS_DN
WANG_TUMOR_INVASIVENESS_UP

GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_UP
PID_HIF1_TFPATHWAY
MULLIGHAN_NPM1_SIGNATURE_3_UP
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_TRANS
MCCABE_BOUND_BY_HOXC6
STARK_PREFRONTAL_CORTEX_22Q11_DELETION_UP
TIEN_INTESTINE_PROBIOTICS_6HR_DN
PEDRIOLI_MIR31_TARGETS_DN
BROWN_MYELOID_CELL_DEVELOPMENT_UP
VANDESLUIS_COMMD1_TARGETS_GROUP_3_UP
DACOSTA_UV_RESPONSE_VIA_ERCC3_UP
LEE_BMP2_TARGETS_UP
WANG_SMARCE1_TARGETS_UP
HOLLMANN_APOPTOSIS_VIA_CD40_DN
HATADA_METHYLATED_IN_LUNG_CANCER_UP
ZHANG_TLX_TARGETS_36HR_UP
DOUGLAS_BMI1_TARGETS_UP
SCHAEFFER_PROSTATE_DEVELOPMENT_48HR_UP
ENK_UV_RESPONSE_EPIDERMIS_DN
ENK_UV_RESPONSE_EPIDERMIS_UP
YAMAZAKI_TCEB3_TARGETS_DN
WANG_CISPLATIN_RESPONSE_AND_XPC_DN
MARTORIATI_MDM4_TARGETS_FETAL_LIVER_UP
SMITH_TERT_TARGETS_DN
DAVICIONI_MOLECULAR_ARMS_VS_ERMS_DN
SANSOM_APC_MYC_TARGETS
WANG_LMO4_TARGETS_UP
NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_UP
TOOKER_GEMCITABINE_RESISTANCE_DN
LIU_SOX4_TARGETS_UP
WANG_CLIM2_TARGETS_UP
LU_EZH2_TARGETS_DN
LEE_RECENT_THYMIC_EMIGRANT
MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP
GARY_CD5_TARGETS_UP
MITSIADES_RESPONSE_TO_APLIDIN_UP
REACTOME_SIGNALLING_BY_NGF
IVANOVA_HEMATOPOIESIS_MATURE_CELL
BAELDE_DIABETIC_NEPHROPATHY_DN
BHAT_ESR1_TARGETS_VIA_AKT1_UP
RODRIGUES_THYROID_CARCINOMA_POORLY_DIFFERENTIATED_DN
REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRANSPORT

RUIZ_TNC_TARGETS_UP
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_LMP1_UP
RIGGI_EWING_SARCOMA_PROGENITOR_UP
CONCANNON_APOPTOSIS_BY_EPOXOMICIN_UP
KOYAMA_SEMA3B_TARGETS_UP
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_8D_DN
VERHAAK_GLIOBLASTOMA_CLASSICAL
NUYTTEN_NIPP1_TARGETS_UP
MCBRYAN_PUBERTAL_BREAST_3_4WK_UP
PEREZ_TP63_TARGETS
HUTTMANN_B_CLL_POOR_SURVIVAL_UP
JAEGER_METASTASIS_DN
DEBIASI_APOPTOSIS_BY_REOVIRUS_INFECTION_UP
MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27ME3
FOSTER_KDM1A_TARGETS_UP
SWEET_LUNG_CANCER_KRAS_UP
DARWICHE_PAPILLOMA_RISK_LOW_UP
ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_UP
LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_UP
PEREZ_TP53_TARGETS
SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_DN
GRAESSMANN_RESPONSE_TO_MC_AND_DOXORUBICIN_DN
MONNIER_POSTRADIATION_TUMOR_ESCAPE_UP
CUI_TCF21_TARGETS_2_DN
IVANOVA_HEMATOPOIESIS_STEM_CELL_LONG_TERM
DARWICHE_SQUAMOUS_CELL_CARCINOMA_UP
WAMUNYOKOLI_OVARIAN_CANCER_LMP_DN
GAVIN_FOXP3_TARGETS_CLUSTER_T7
VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP
ALFANO_MYC_TARGETS
DARWICHE_PAPILLOMA_RISK_HIGH_UP

GS DETAILS	SIZE	ES	NES	NOM p-val	FDR q-val	FWER p-val
Details ...	120	0.5567907	3.4528677	0	0	0
Details ...	149	0.5368174	3.4112723	0	0	0
Details ...	53	0.64009184	3.3214676	0	0	0
Details ...	143	0.52003324	3.318777	0	0	0
Details ...	91	0.5445675	3.183926	0	0	0
Details ...	16	0.83798796	3.0889807	0	0	0
Details ...	86	0.526011	3.06514	0	0	0
Details ...	97	0.5102713	3.008786	0	0	0
Details ...	86	0.50903213	2.9798276	0	0	0
Details ...	32	0.64017785	2.9114258	0	0	0
Details ...	108	0.4760197	2.8912807	0	0	0
Details ...	170	0.43793198	2.880777	0	0	0
Details ...	19	0.7294644	2.8777118	0	0	0
Details ...	60	0.5243009	2.8351731	0	0	0
Details ...	22	0.68693024	2.8076506	0	0	0
Details ...	54	0.53811944	2.804148	0	0	0
Details ...	75	0.49178922	2.788141	0	0	0
Details ...	24	0.65528977	2.7831016	0	0	0
Details ...	63	0.5103762	2.7584505	0	0	0
Details ...	26	0.640337	2.7582848	0	0	0
	73	0.4860322	2.7564297	0	0	0
	63	0.5050295	2.7497046	0	0	0
	59	0.5205127	2.7387342	0	0	0
	54	0.51771975	2.7300854	0	0	0
	114	0.44676802	2.7239757	0	0	0
	56	0.52393657	2.7173803	0	0	0
	64	0.49446663	2.6912634	0	0	0
	60	0.5034637	2.685779	0	0	0
	118	0.43318492	2.681852	0	0	0
	51	0.5112632	2.6500843	0	0	0
	31	0.59759635	2.6384518	0	0	0
	81	0.44764754	2.5921838	0	1.92E-05	0.001
	149	0.39762613	2.567635	0	1.87E-05	0.001
	26	0.6011436	2.5411012	0	3.63E-05	0.002
	40	0.5211508	2.5295446	0	3.52E-05	0.002
	16	0.6669404	2.430084	0	1.04E-04	0.006
	19	0.6293251	2.4299715	0	1.02E-04	0.006
	16	0.65501815	2.4061291	0	1.48E-04	0.009
	16	0.64507	2.3772972	0	1.77E-04	0.011
	33	0.5156491	2.332877	0	3.28E-04	0.021
	34	0.48927832	2.281657	0	6.09E-04	0.038

48	0.4452335	2.2719545	0	6.69E-04	0.043
21	0.56372046	2.2567334	0	8.58E-04	0.057
17	0.59690285	2.2320173	0	0.0010389	0.07
19	0.57014126	2.2192123	0	0.00116958	0.08
20	0.56442636	2.2127624	0	0.00122577	0.086
40	0.46073997	2.1916304	0	0.00150564	0.108
28	0.5047059	2.191559	0	0.00147427	0.108
37	0.45432153	2.15346	0	0.00213062	0.157
45	0.43029454	2.1308012	0	0.00251276	0.186
52	0.4113396	2.1302946	0	0.00250018	0.189
30	0.47316027	2.1298368	0.00132275	0.0024521	0.189
29	0.4740071	2.1295543	0	0.00242936	0.191
71	0.3771787	2.11551	0	0.00274679	0.216
36	0.45477572	2.110361	0.00123153	0.00277676	0.222
71	0.37722367	2.0974057	0	0.00316193	0.249
15	0.57234186	2.0922253	0	0.00326132	0.259
19	0.545314	2.0853307	0	0.00362593	0.288
21	0.50784934	2.0617447	0	0.00452007	0.348
27	0.47569528	2.0551393	0	0.00484123	0.375
24	0.48894766	2.0441296	0	0.00533388	0.408
18	0.5325482	2.028561	0	0.00617593	0.465
17	0.54195195	2.0125213	0	0.00719089	0.523
105	0.33052132	2.0041952	0	0.00783501	0.565
29	0.46056813	2.0038118	0.0013089	0.00774346	0.566
33	0.4315353	1.9837563	0	0.00942187	0.635
28	0.44985685	1.9722955	0.00258732	0.01044083	0.67
15	0.5506906	1.9536812	0.00139665	0.01229186	0.726
26	0.46632758	1.9483888	0.0013624	0.01264929	0.742
25	0.45861757	1.9381139	0.0013624	0.01376326	0.774
63	0.34904507	1.9170665	0.00117371	0.01649151	0.838
15	0.53872025	1.9086117	0.00146199	0.01765553	0.872
170	0.28971016	1.8972653	0	0.01926063	0.903
78	0.33232394	1.8933047	0	0.01978664	0.91
22	0.4821229	1.8919865	0.00404858	0.01973276	0.91
61	0.34310782	1.8770348	0.00598086	0.02223035	0.938
16	0.51638544	1.8756979	0.00719425	0.0222763	0.941
61	0.34638715	1.8729128	0.00121951	0.02260882	0.944
18	0.48513788	1.8721052	0.00568182	0.02244858	0.945
70	0.33456257	1.8624715	0.00358423	0.0240808	0.955
35	0.39767453	1.8534288	0.00248447	0.02560753	0.961
23	0.45003095	1.8441281	0.00815217	0.02735636	0.973
21	0.4714276	1.8390108	0.00827586	0.02814499	0.975

50	0.35769287	1.8288002	0.00367647	0.03022512	0.983
43	0.37226424	1.8242712	0.0062422	0.03090842	0.986
38	0.37993106	1.8129306	0.00641849	0.03352172	0.994
108	0.2969451	1.8117949	0	0.03349689	0.996
55	0.34012607	1.8001404	0.00489596	0.03650617	0.999
27	0.42003253	1.7945675	0.00900901	0.03783006	0.999
22	0.43887508	1.7921478	0.00660502	0.03807173	0.999
102	0.2957537	1.7764577	0.00448934	0.04266392	0.999
16	0.47277415	1.7709914	0.01152738	0.04401872	0.999
110	0.28942132	1.7553349	0.0045403	0.04917914	0.999
29	0.39611948	1.750694	0.00390117	0.05055353	1
15	0.49053106	1.7330076	0.0189781	0.05684375	1
70	0.30971262	1.732332	0.00479616	0.0565119	1
26	0.40397167	1.708134	0.01604278	0.06645932	1
34	0.37198317	1.7020915	0.02261307	0.06885949	1
96	0.27303353	1.6353858	0.0122905	0.1091944	1
27	0.37295112	1.6348677	0.02906209	0.10854663	1
21	0.415266	1.6333482	0.0373444	0.1087428	1
44	0.3225287	1.6143358	0.03003755	0.12196419	1
52	0.30848768	1.6127936	0.02351485	0.12193838	1
23	0.39066604	1.5960883	0.03804348	0.1349286	1
18	0.40572748	1.5707952	0.04125178	0.1579898	1
66	0.2810829	1.5548587	0.02398082	0.17321624	1
117	0.25218874	1.5535923	0.0213964	0.17301898	1
20	0.39340946	1.5469369	0.04289544	0.1787712	1
16	0.41868502	1.5433388	0.056899	0.18097411	1
50	0.29332823	1.5298278	0.04545455	0.19365868	1
69	0.27790913	1.518282	0.04513064	0.20486984	1
24	0.36886853	1.5065386	0.06010929	0.21822864	1
24	0.35330236	1.4959002	0.06076618	0.23031572	1
31	0.32767397	1.4904894	0.07379135	0.23514688	1
32	0.32719222	1.4867401	0.052	0.2382653	1
35	0.31786352	1.4798993	0.07124682	0.24564762	1
20	0.371435	1.4783075	0.07084469	0.245835	1
130	0.2370338	1.4587888	0.04147982	0.27247438	1
88	0.24463809	1.437059	0.05704307	0.30410963	1
20	0.36512512	1.433768	0.09154929	0.30698198	1
37	0.3018404	1.4325286	0.07251909	0.30642965	1
18	0.37403032	1.4318434	0.0798898	0.30506283	1
21	0.3537643	1.4235446	0.08815427	0.3156241	1
22	0.34907332	1.42284	0.10280374	0.31415287	1
22	0.3502325	1.4165293	0.08344549	0.3226609	1

24	0.33815405	1.4086769	0.10187668	0.33368355	1
33	0.30383822	1.4083894	0.09220779	0.3316277	1
21	0.34639204	1.3989342	0.11020408	0.3453795	1
21	0.35264423	1.3932354	0.09563994	0.35308355	1
33	0.30378437	1.3905276	0.10913706	0.35508716	1
16	0.37936282	1.3897295	0.10449927	0.3538673	1
77	0.24155456	1.3712583	0.09512761	0.38451	1
17	0.3645959	1.369274	0.12338594	0.3853917	1
50	0.25663373	1.3664533	0.09927361	0.38764495	1
24	0.3245228	1.3578589	0.14266305	0.40146977	1
22	0.33551574	1.3551147	0.11942257	0.4041588	1
28	0.30771303	1.3464926	0.13403417	0.41816914	1
130	0.21202011	1.3393997	0.09419496	0.429195	1
15	0.36357996	1.3236222	0.15700142	0.45875636	1
47	0.2652786	1.3228114	0.14765906	0.45716897	1
25	0.30772707	1.3149687	0.16085792	0.47085795	1
29	0.29520905	1.3075933	0.15424165	0.48389292	1
37	0.27824494	1.3060824	0.15444015	0.48399165	1
20	0.3294279	1.3038187	0.16506189	0.48582178	1
43	0.26494107	1.3028193	0.15162908	0.48467964	1
19	0.32700264	1.3026478	0.16616766	0.4816732	1
18	0.33983338	1.2945684	0.15796703	0.4960373	1
22	0.314467	1.2919207	0.16802168	0.4985948	1
84	0.22302988	1.2913407	0.13302217	0.49652272	1
17	0.34237707	1.2904164	0.16137931	0.4951943	1
72	0.23154649	1.2902952	0.15501165	0.4921635	1
19	0.3296296	1.2846744	0.19535519	0.5014099	1
18	0.3389345	1.2821474	0.19168901	0.50373113	1
29	0.28647858	1.2797052	0.16449086	0.5056555	1
30	0.28616056	1.279588	0.1948718	0.50262094	1
40	0.26935357	1.2793578	0.15691158	0.49991655	1
28	0.28849518	1.2736433	0.188251	0.5094298	1
60	0.23481168	1.2704439	0.16867469	0.5132176	1
55	0.24399434	1.2699144	0.15815085	0.5112065	1
58	0.23722817	1.2668424	0.1760479	0.5145891	1
38	0.27144432	1.2663766	0.19367088	0.5124277	1
34	0.27089226	1.2643336	0.1932246	0.51380664	1
28	0.28831184	1.2566438	0.20794702	0.5275906	1
16	0.34308797	1.2514952	0.19859155	0.53588325	1
46	0.24870765	1.2508142	0.18491484	0.53412986	1
59	0.23714365	1.2462612	0.18599033	0.5410492	1
79	0.21926476	1.2449758	0.19328703	0.54073393	1

47	0.24725437	1.2395483	0.19876543	0.54981595	1
18	0.32497397	1.2392758	0.20920502	0.5470845	1
34	0.2673025	1.2387363	0.21161291	0.5450048	1
26	0.29068932	1.2345556	0.20619947	0.55142957	1
41	0.24966933	1.2318258	0.22058824	0.5542872	1
51	0.237121	1.2312988	0.21401753	0.5523476	1
65	0.22282495	1.2296664	0.19757576	0.552691	1
15	0.34857637	1.2275656	0.23829788	0.55420583	1
16	0.3325893	1.2254562	0.23268698	0.55592245	1
67	0.22282338	1.2197546	0.21589561	0.56540936	1
38	0.25313783	1.2196957	0.20764332	0.56238484	1
27	0.28140223	1.2194318	0.22827497	0.55980253	1
20	0.3114644	1.2119107	0.26008344	0.5736671	1
17	0.32787523	1.2083945	0.24637681	0.57838523	1
28	0.2739493	1.1993837	0.24435592	0.59633523	1
21	0.29854912	1.1961917	0.26121372	0.60038126	1
68	0.21471962	1.178295	0.24150059	0.63926214	1
48	0.2314567	1.1770478	0.256691	0.6386679	1
172	0.17905633	1.1736046	0.23734178	0.6432282	1
26	0.276617	1.1708204	0.2785808	0.64638805	1
22	0.28080532	1.1696888	0.27334234	0.64586675	1
52	0.2261871	1.1692929	0.2753623	0.6433833	1
77	0.20320565	1.1686615	0.24743444	0.6414224	1
26	0.27209765	1.1679127	0.25773194	0.6397518	1
37	0.24360201	1.16581	0.2697795	0.6414117	1
34	0.25400278	1.163333	0.29449424	0.6440588	1
62	0.21538612	1.1618917	0.27228916	0.6441212	1
35	0.2474459	1.1586543	0.26666668	0.6485113	1
25	0.27018747	1.1519212	0.27188328	0.6610654	1
16	0.32233223	1.150419	0.29834256	0.66135067	1
51	0.22208333	1.1437722	0.286578	0.6741172	1
26	0.2654723	1.1419525	0.30241936	0.6750955	1
67	0.20621814	1.1417453	0.3083434	0.6722578	1
79	0.20106524	1.1376231	0.27764976	0.6789856	1
28	0.26096973	1.1365083	0.32142857	0.67836565	1
58	0.2095555	1.1305048	0.30666667	0.68959755	1
25	0.26834974	1.1295422	0.3263434	0.6885908	1
37	0.23538221	1.1256579	0.27954257	0.694202	1
27	0.25867006	1.1221883	0.3320659	0.6990288	1
22	0.2760941	1.1218497	0.31889763	0.696517	1
42	0.22885956	1.1207498	0.30601794	0.6956458	1
30	0.2531255	1.1165508	0.35231787	0.7023367	1

37	0.23646097	1.1141331	0.32290363	0.70492154	1
91	0.18743788	1.1130015	0.31105992	0.7044296	1
26	0.25730726	1.1109896	0.33111703	0.705817	1
19	0.2876109	1.1097357	0.32548475	0.70555264	1
50	0.21514112	1.1051655	0.33333334	0.71298873	1
42	0.22500932	1.101602	0.34522292	0.7180982	1
25	0.26016244	1.0956466	0.35607094	0.72935766	1
23	0.2665094	1.0947208	0.3395973	0.7281174	1
28	0.2539225	1.0943978	0.35778636	0.7256044	1
28	0.24990797	1.0914335	0.35890767	0.72928447	1
22	0.26755068	1.0885811	0.34246576	0.7325344	1
72	0.1948624	1.0861952	0.35638922	0.73475915	1
21	0.27692372	1.0837977	0.3648469	0.73726207	1
41	0.2191305	1.0820786	0.36724564	0.73807263	1
88	0.18292657	1.0816535	0.3696408	0.7356507	1
18	0.28509042	1.0771208	0.39275765	0.74297017	1
35	0.22922452	1.0746255	0.37468672	0.7455614	1
15	0.30276054	1.0702499	0.36416185	0.75248736	1
48	0.20843817	1.0668298	0.37931034	0.7571961	1
15	0.29109797	1.0666659	0.3755274	0.7542559	1
42	0.21600115	1.0635005	0.39375	0.7582158	1
18	0.27727944	1.062748	0.385989	0.7566636	1
48	0.20901279	1.0563529	0.3863928	0.7685972	1
29	0.23502997	1.0481019	0.40339425	0.784974	1
20	0.26588237	1.0475779	0.4197031	0.78278166	1
25	0.24867879	1.0464272	0.39583334	0.78207004	1
26	0.24412605	1.0447724	0.4	0.78256685	1
51	0.20060724	1.0417483	0.4136253	0.7863726	1
20	0.25903583	1.0391876	0.42564803	0.78916055	1
60	0.19267312	1.0379767	0.4241338	0.7887199	1
31	0.23208672	1.0364197	0.42784163	0.7890932	1
15	0.29353085	1.0357634	0.42674252	0.78736293	1
18	0.26781845	1.0277221	0.4322493	0.8026838	1
41	0.21209025	1.0232273	0.42322096	0.8096379	1
17	0.27375945	1.0226847	0.45531914	0.80751425	1
20	0.2598415	1.0167894	0.44285715	0.8179675	1
40	0.20793091	1.0165577	0.4347826	0.8151701	1
26	0.23954958	1.0163465	0.44083226	0.8123995	1
21	0.2541508	1.0152621	0.45467225	0.81164265	1
15	0.28153545	1.0150052	0.4564254	0.8089765	1
33	0.21779433	1.0136864	0.4380368	0.8087657	1
38	0.21594828	1.0128875	0.45559844	0.8072618	1

26	0.23812737	1.0112662	0.45359477	0.80782783	1
22	0.24526925	1.0093234	0.4484127	0.8089585	1
43	0.20399474	1.0077692	0.4469697	0.8092823	1
27	0.23297442	1.0056901	0.46042216	0.81078035	1
82	0.1731868	1.0010822	0.46697038	0.817962	1
18	0.26546597	1.000074	0.45698166	0.817022	1
40	0.20222257	0.99697614	0.47388536	0.8208362	1
29	0.22129585	0.9880435	0.49076518	0.837626	1
20	0.24924442	0.9847132	0.4735376	0.841665	1
58	0.18366155	0.9846725	0.49095297	0.83854413	1
113	0.1587565	0.9733022	0.5343348	0.8604155	1
34	0.21208173	0.97219557	0.5031526	0.8596395	1
19	0.2564702	0.97156	0.49931034	0.8578588	1
22	0.2411043	0.9683622	0.50409836	0.86149925	1
28	0.21806242	0.9676554	0.5193076	0.8598216	1
57	0.1819722	0.9671299	0.51357734	0.85769856	1
19	0.24826089	0.9548034	0.5131397	0.88192123	1
77	0.16559337	0.95303977	0.5293441	0.88261086	1
21	0.23657444	0.9506773	0.5225718	0.8847425	1
51	0.18146199	0.94421923	0.55031055	0.89558	1
91	0.15945344	0.94249105	0.54545456	0.89603114	1
16	0.2571263	0.9416268	0.5331492	0.8946671	1
19	0.23908167	0.9404304	0.53494626	0.8941183	1
44	0.18794702	0.9389628	0.55936354	0.8941251	1
66	0.17180611	0.93506044	0.55035126	0.8991409	1
31	0.20849425	0.93253076	0.5364583	0.9012786	1
100	0.15567696	0.9321343	0.5774487	0.8989102	1
18	0.24309573	0.929298	0.5483871	0.9017854	1
23	0.22795843	0.9267972	0.56875837	0.9039908	1
25	0.2220486	0.92498	0.53937006	0.9044711	1
19	0.23742221	0.924499	0.55448276	0.90227807	1
45	0.18386582	0.92327005	0.58564234	0.90166926	1
22	0.22645962	0.9183763	0.552	0.9086654	1
15	0.25722402	0.9176127	0.5796703	0.90707463	1
24	0.21946704	0.9164139	0.5532787	0.9063806	1
33	0.20197065	0.9152896	0.58068615	0.90544915	1
34	0.19890445	0.9150309	0.56445557	0.90279025	1
117	0.14601332	0.9114978	0.6075388	0.9072029	1
35	0.19472404	0.90470594	0.5971867	0.91829735	1
20	0.22630842	0.90226746	0.59034485	0.92019707	1
19	0.23509711	0.8974665	0.60085225	0.9269619	1
39	0.18379562	0.89340746	0.5994898	0.93183357	1

42	0.18062466	0.88563216	0.6388889	0.94423616	1
38	0.18285108	0.88186103	0.6073698	0.94858617	1
20	0.22233391	0.8808312	0.6293223	0.94746876	1
34	0.18755329	0.88061935	0.5987261	0.94470954	1
18	0.22913995	0.8805799	0.6320225	0.94158554	1
44	0.17883219	0.87974066	0.6262626	0.94014835	1
80	0.15081628	0.8793639	0.6471278	0.9377284	1
22	0.21791755	0.8775641	0.62702703	0.9381996	1
28	0.1984818	0.87326366	0.6156863	0.94351274	1
15	0.24236672	0.87241083	0.62767476	0.9420083	1
21	0.21978226	0.8715709	0.6263587	0.9405591	1
18	0.23051237	0.86864716	0.60982656	0.9431821	1
31	0.19121367	0.86840725	0.636129	0.9405954	1
31	0.19348724	0.86814505	0.63974357	0.9380451	1
16	0.23626263	0.8656074	0.62215906	0.9400585	1
80	0.14930527	0.8589078	0.6666667	0.95000416	1
15	0.2413927	0.8584768	0.6450216	0.94780535	1
50	0.16222312	0.85457635	0.65411764	0.9521862	1
26	0.1985757	0.84823066	0.64658636	0.9612081	1
22	0.20878877	0.8465876	0.664042	0.96127063	1
62	0.15669005	0.845516	0.70734596	0.96024066	1
50	0.16336797	0.840347	0.68349755	0.96696645	1
15	0.23630656	0.8381592	0.6642857	0.9680765	1
26	0.19308712	0.83633727	0.67287236	0.9683854	1
21	0.21179555	0.83611965	0.6689847	0.96576786	1
33	0.18222107	0.8348633	0.6770428	0.9649563	1
62	0.15389101	0.8259392	0.7017964	0.97813106	1
22	0.20029706	0.8249668	0.69012177	0.9768791	1
28	0.18928504	0.82491153	0.6871009	0.97394973	1
21	0.20594162	0.8182467	0.703504	0.98271286	1
124	0.13127679	0.8163627	0.74172187	0.9830443	1
16	0.22294717	0.8160782	0.6925247	0.9804741	1
15	0.22494577	0.81572187	0.68945867	0.97810686	1
17	0.21984762	0.81445926	0.69498605	0.9772702	1
19	0.21126087	0.81115955	0.7144809	0.9801747	1
18	0.21141334	0.80777043	0.72182596	0.98306704	1
18	0.20769592	0.8047134	0.6802817	0.98528314	1
76	0.14134002	0.8033425	0.7583815	0.9846494	1
48	0.15540321	0.80312157	0.72397095	0.98209846	1
42	0.1615764	0.79840636	0.7465668	0.98711324	1
15	0.22454917	0.79554355	0.72527474	0.9888712	1
27	0.18617398	0.7945202	0.7198953	0.9877158	1

17	0.21573032	0.7941429	0.74089634	0.9854175	1
18	0.20826952	0.7935168	0.7299169	0.9834444	1
55	0.14919901	0.79251057	0.74608904	0.98208183	1
64	0.1451077	0.78914297	0.76566124	0.98507094	1
48	0.15250191	0.7833031	0.7689487	0.9916878	1
16	0.21628852	0.7830256	0.72316384	0.9892561	1
49	0.15269476	0.78135145	0.752754	0.98900294	1
18	0.20497094	0.78055423	0.7764706	0.9873755	1
76	0.13847208	0.7800559	0.7769953	0.9853408	1
71	0.1389194	0.779658	0.7866354	0.9831363	1
128	0.12518975	0.7772986	0.8039867	0.9840795	1
47	0.1540791	0.77669346	0.7551515	0.9821901	1
21	0.19279161	0.775526	0.7539474	0.9811139	1
16	0.21186568	0.77259034	0.7513812	0.9829762	1
25	0.18517256	0.7670108	0.75753605	0.988988	1
19	0.19947955	0.7625976	0.7462483	0.993014	1
115	0.12422279	0.7599046	0.8142381	0.9941879	1
45	0.15241507	0.75751054	0.7939394	0.99505484	1
55	0.14262395	0.7564799	0.8019208	0.99376667	1
21	0.1914486	0.75611037	0.7537012	0.99150145	1
15	0.2129824	0.75436264	0.77730495	0.9913302	1
16	0.20587367	0.7509561	0.7916667	0.9934612	1
81	0.13263923	0.74950194	0.82790697	0.99278086	1
25	0.17719817	0.74689454	0.7966321	0.9936676	1
17	0.19954382	0.74654627	0.79490805	0.991389	1
16	0.20328386	0.7462385	0.7688022	0.98904985	1
16	0.20412163	0.7437691	0.7716312	0.98995763	1
46	0.14562613	0.7435464	0.8056235	0.98752743	1
60	0.13721737	0.7406928	0.8192771	0.988831	1
31	0.16459693	0.73935705	0.76804125	0.9879965	1
48	0.14546615	0.738902	0.82822084	0.9859286	1
70	0.13263299	0.7379381	0.8364269	0.9845272	1
17	0.19763696	0.7362492	0.7849779	0.98414594	1
31	0.1625235	0.7345663	0.7936925	0.983807	1
15	0.20373668	0.73396254	0.79490805	0.98193455	1
33	0.15978754	0.7314696	0.81036663	0.98278123	1
26	0.17192115	0.7310164	0.8104839	0.9807257	1
41	0.15110394	0.7306203	0.81077695	0.97858214	1
15	0.20430371	0.7284111	0.8133903	0.97899294	1
32	0.15808913	0.72820234	0.80100757	0.97666085	1
32	0.16103607	0.7247302	0.82474226	0.97876495	1
39	0.1498031	0.7240527	0.8329146	0.97708315	1

19	0.18677631	0.7222016	0.8118812	0.9769083	1
15	0.20078121	0.72077906	0.82327586	0.9762391	1
34	0.15471898	0.7186729	0.82156134	0.97636193	1
85	0.12267927	0.71856064	0.8493627	0.97395694	1
27	0.1649248	0.7176295	0.82564104	0.97255635	1
16	0.19542815	0.7154097	0.81601125	0.97291875	1
23	0.1721985	0.7151204	0.81038964	0.97075015	1
25	0.17064363	0.7119831	0.8246073	0.97215205	1
22	0.1763401	0.7107837	0.8218997	0.97116536	1
16	0.19416444	0.7102324	0.7943662	0.9693813	1
39	0.14860147	0.7094213	0.8493827	0.96794724	1
121	0.11332936	0.70858395	0.88241637	0.9664358	1
35	0.14850122	0.6969799	0.85125	0.97801197	1
31	0.15615638	0.6961879	0.86153847	0.97631615	1
25	0.16464874	0.69467497	0.8512064	0.9755555	1
36	0.14593013	0.69253975	0.86185044	0.9754936	1
59	0.1287717	0.69205034	0.86690223	0.97356635	1
59	0.12733749	0.68970597	0.86341465	0.97386634	1
74	0.12141975	0.68387216	0.87822014	0.9779148	1
42	0.13930854	0.6808846	0.86177886	0.9787489	1
40	0.14029315	0.6790681	0.87044024	0.97829056	1
22	0.16278222	0.67701626	0.86950547	0.9780896	1
27	0.15560351	0.6722795	0.86577183	0.9807531	1
17	0.17808639	0.6688225	0.8633721	0.9819226	1
22	0.1674963	0.66839147	0.87217045	0.97993004	1
18	0.17281955	0.65942055	0.84016395	0.9868157	1
40	0.13967344	0.6588713	0.87882495	0.98495317	1
27	0.1463576	0.65336084	0.87630206	0.98766655	1
24	0.15591967	0.6492216	0.89659685	0.98926944	1
17	0.17449369	0.644812	0.8707865	0.99100214	1
24	0.15342881	0.63093257	0.90422535	1	1
32	0.13508567	0.63069606	0.90697676	0.99881685	1
23	0.15336974	0.62822646	0.89145184	0.9985005	1
31	0.13675834	0.6193852	0.92408377	1	1
53	0.11726195	0.6192505	0.930622	1	1
40	0.12768468	0.6142732	0.92541087	1	1
19	0.15851043	0.61419815	0.9222065	1	1
33	0.1330757	0.6105226	0.9261577	1	1
54	0.11602078	0.60670084	0.9356015	1	1
21	0.15268365	0.6046376	0.9175532	1	1
89	0.1038798	0.6014706	0.95591646	1	1
24	0.1434011	0.5980918	0.90957445	1	1

19	0.15650205	0.59784603	0.9192463	0.99846095	1
34	0.1296969	0.5968647	0.9323797	0.996787	1
56	0.11281353	0.5953156	0.93276286	0.9955768	1
27	0.13432649	0.591753	0.9299611	0.9956786	1
25	0.13837253	0.5859421	0.9458388	0.9972617	1
22	0.1440765	0.5822536	0.93157893	0.9973498	1
25	0.13835394	0.5777457	0.9474376	0.99776673	1
70	0.10204525	0.5667882	0.96740395	1	1
51	0.10902666	0.5654997	0.9633252	1	1
27	0.12788458	0.5569217	0.9612984	1	1
34	0.12093828	0.5564851	0.96050954	1	1
26	0.13014169	0.55532926	0.9497908	0.9990367	1
18	0.14675395	0.54753685	0.96358544	1	1
17	0.14321113	0.5464895	0.95633805	0.9989085	1
19	0.14348175	0.54584265	0.9585635	0.99693274	1
75	0.09529258	0.54565156	0.9726841	0.9947421	1
17	0.14497897	0.54229766	0.95014244	0.9940319	1
17	0.14485876	0.5310498	0.95428574	0.9969325	1
17	0.13955809	0.5233509	0.96478873	0.9979268	1
84	0.08906569	0.51698947	0.97949886	0.99815005	1
22	0.12740615	0.5090986	0.96703297	0.9987938	1
54	0.09775419	0.50816154	0.9765432	0.9968619	1
29	0.11214374	0.4924476	0.98282695	0.9997539	1
98	0.08279201	0.48521054	0.98324025	0.9994804	1
19	0.11804561	0.4566923	0.989071	1	1
18	0.12031089	0.4519062	0.97875357	1	1
22	0.10665146	0.43393576	0.9986169	1	1
16	0.11516635	0.42459273	0.9971306	1	1
25	0.09327214	0.39275432	0.9959623	1	1
27	0.08849601	0.37952638	0.99869794	1	1
15	0.10455372	0.37404418	1	0.99875116	1

RANK AT MAX	LEADING EDGE
424	tags=75%, list=33%, signal=101%
564	tags=86%, list=44%, signal=135%
347	tags=79%, list=27%, signal=104%
564	tags=85%, list=44%, signal=133%
390	tags=69%, list=30%, signal=92%
183	tags=94%, list=14%, signal=108%
543	tags=86%, list=42%, signal=138%
435	tags=71%, list=34%, signal=99%
537	tags=84%, list=41%, signal=134%
263	tags=75%, list=20%, signal=92%
435	tags=67%, list=34%, signal=92%
386	tags=56%, list=30%, signal=69%
263	tags=84%, list=20%, signal=104%
543	tags=88%, list=42%, signal=145%
346	tags=91%, list=27%, signal=122%
537	tags=89%, list=41%, signal=146%
428	tags=69%, list=33%, signal=98%
399	tags=92%, list=31%, signal=130%
543	tags=86%, list=42%, signal=140%
399	tags=88%, list=31%, signal=125%
492	tags=74%, list=38%, signal=113%
543	tags=84%, list=42%, signal=138%
469	tags=78%, list=36%, signal=117%
543	tags=87%, list=42%, signal=144%
614	tags=82%, list=47%, signal=141%
541	tags=86%, list=42%, signal=141%
543	tags=83%, list=42%, signal=136%
543	tags=85%, list=42%, signal=140%
455	tags=62%, list=35%, signal=87%
428	tags=73%, list=33%, signal=104%
397	tags=81%, list=31%, signal=114%
283	tags=49%, list=22%, signal=59%
538	tags=66%, list=42%, signal=101%
397	tags=81%, list=31%, signal=114%
491	tags=83%, list=38%, signal=129%
399	tags=94%, list=31%, signal=134%
389	tags=84%, list=30%, signal=119%
168	tags=69%, list=13%, signal=78%
421	tags=94%, list=33%, signal=137%
408	tags=70%, list=32%, signal=99%
349	tags=62%, list=27%, signal=82%

213 tags=44%, list=16%, signal=50%
338 tags=71%, list=26%, signal=95%
230 tags=65%, list=18%, signal=78%
408 tags=79%, list=32%, signal=114%
404 tags=80%, list=31%, signal=114%
543 tags=78%, list=42%, signal=129%
271 tags=57%, list=21%, signal=71%
161 tags=38%, list=12%, signal=42%
204 tags=42%, list=16%, signal=48%
570 tags=73%, list=44%, signal=125%
492 tags=73%, list=38%, signal=116%
429 tags=69%, list=33%, signal=101%
613 tags=76%, list=47%, signal=136%
375 tags=61%, list=29%, signal=84%
263 tags=42%, list=20%, signal=50%
349 tags=73%, list=27%, signal=99%
271 tags=63%, list=21%, signal=79%
647 tags=100%, list=50%, signal=197%
526 tags=78%, list=41%, signal=128%
653 tags=96%, list=50%, signal=190%
420 tags=78%, list=32%, signal=114%
250 tags=59%, list=19%, signal=72%
642 tags=71%, list=50%, signal=130%
152 tags=41%, list=12%, signal=46%
430 tags=64%, list=33%, signal=93%
366 tags=57%, list=28%, signal=78%
420 tags=80%, list=32%, signal=117%
424 tags=65%, list=33%, signal=95%
529 tags=76%, list=41%, signal=126%
430 tags=54%, list=33%, signal=77%
263 tags=60%, list=20%, signal=74%
265 tags=33%, list=20%, signal=36%
380 tags=45%, list=29%, signal=60%
555 tags=82%, list=43%, signal=141%
447 tags=56%, list=35%, signal=81%
401 tags=69%, list=31%, signal=98%
690 tags=80%, list=53%, signal=164%
222 tags=50%, list=17%, signal=60%
250 tags=34%, list=19%, signal=40%
327 tags=49%, list=25%, signal=63%
429 tags=65%, list=33%, signal=96%
264 tags=48%, list=20%, signal=59%

447 tags=58%, list=35%, signal=85%
481 tags=63%, list=37%, signal=97%
477 tags=58%, list=37%, signal=89%
533 tags=56%, list=41%, signal=87%
615 tags=71%, list=47%, signal=129%
425 tags=63%, list=33%, signal=92%
524 tags=77%, list=40%, signal=128%
376 tags=43%, list=29%, signal=56%
272 tags=50%, list=21%, signal=63%
250 tags=33%, list=19%, signal=37%
250 tags=41%, list=19%, signal=50%
523 tags=80%, list=40%, signal=133%
844 tags=93%, list=65%, signal=252%
691 tags=85%, list=53%, signal=178%
769 tags=91%, list=59%, signal=219%
641 tags=66%, list=49%, signal=120%
554 tags=70%, list=43%, signal=120%
518 tags=67%, list=40%, signal=109%
505 tags=59%, list=39%, signal=94%
211 tags=29%, list=16%, signal=33%
249 tags=39%, list=19%, signal=48%
161 tags=39%, list=12%, signal=44%
495 tags=52%, list=38%, signal=79%
389 tags=40%, list=30%, signal=52%
522 tags=70%, list=40%, signal=115%
87 tags=31%, list=7%, signal=33%
421 tags=46%, list=33%, signal=66%
434 tags=45%, list=34%, signal=64%
336 tags=46%, list=26%, signal=61%
596 tags=75%, list=46%, signal=136%
450 tags=52%, list=35%, signal=77%
592 tags=66%, list=46%, signal=118%
463 tags=49%, list=36%, signal=74%
226 tags=35%, list=17%, signal=42%
323 tags=32%, list=25%, signal=39%
159 tags=22%, list=12%, signal=23%
555 tags=60%, list=43%, signal=103%
395 tags=49%, list=31%, signal=68%
354 tags=44%, list=27%, signal=60%
441 tags=52%, list=34%, signal=78%
456 tags=55%, list=35%, signal=83%
189 tags=32%, list=15%, signal=37%

261 tags=33%, list=20%, signal=41%
534 tags=55%, list=41%, signal=90%
453 tags=52%, list=35%, signal=79%
808 tags=95%, list=62%, signal=249%
227 tags=33%, list=18%, signal=39%
426 tags=63%, list=33%, signal=92%
233 tags=27%, list=18%, signal=31%
414 tags=53%, list=32%, signal=77%
419 tags=42%, list=32%, signal=60%
283 tags=33%, list=22%, signal=42%
356 tags=41%, list=27%, signal=55%
 78 tags=21%, list=6%, signal=22%
233 tags=25%, list=18%, signal=27%
301 tags=40%, list=23%, signal=52%
575 tags=57%, list=44%, signal=100%
241 tags=36%, list=19%, signal=43%
271 tags=38%, list=21%, signal=47%
601 tags=62%, list=46%, signal=113%
456 tags=55%, list=35%, signal=84%
259 tags=28%, list=20%, signal=34%
338 tags=47%, list=26%, signal=63%
523 tags=61%, list=40%, signal=101%
833 tags=95%, list=64%, signal=263%
198 tags=24%, list=15%, signal=26%
428 tags=53%, list=33%, signal=78%
441 tags=44%, list=34%, signal=64%
640 tags=74%, list=49%, signal=144%
 65 tags=22%, list=5%, signal=23%
647 tags=69%, list=50%, signal=135%
677 tags=73%, list=52%, signal=150%
 98 tags=20%, list=8%, signal=21%
585 tags=61%, list=45%, signal=108%
411 tags=42%, list=32%, signal=58%
191 tags=25%, list=15%, signal=29%
367 tags=38%, list=28%, signal=51%
176 tags=26%, list=14%, signal=30%
518 tags=53%, list=40%, signal=86%
759 tags=79%, list=59%, signal=186%
468 tags=63%, list=36%, signal=97%
581 tags=52%, list=45%, signal=91%
198 tags=27%, list=15%, signal=31%
828 tags=84%, list=64%, signal=218%

526 tags=49%, list=41%, signal=79%
237 tags=33%, list=18%, signal=40%
820 tags=88%, list=63%, signal=234%
140 tags=23%, list=11%, signal=25%
799 tags=80%, list=62%, signal=203%
494 tags=45%, list=38%, signal=70%
828 tags=85%, list=64%, signal=223%
329 tags=47%, list=25%, signal=62%
198 tags=31%, list=15%, signal=36%
690 tags=66%, list=53%, signal=133%
517 tags=53%, list=40%, signal=85%
184 tags=22%, list=14%, signal=25%
102 tags=25%, list=8%, signal=27%
574 tags=59%, list=44%, signal=104%
814 tags=89%, list=63%, signal=235%
791 tags=90%, list=61%, signal=229%
805 tags=78%, list=62%, signal=195%
273 tags=29%, list=21%, signal=36%
447 tags=40%, list=35%, signal=53%
259 tags=31%, list=20%, signal=38%
419 tags=41%, list=32%, signal=59%
537 tags=52%, list=41%, signal=85%
133 tags=18%, list=10%, signal=19%
159 tags=23%, list=12%, signal=26%
784 tags=76%, list=61%, signal=186%
416 tags=44%, list=32%, signal=63%
426 tags=40%, list=33%, signal=57%
495 tags=51%, list=38%, signal=81%
530 tags=60%, list=41%, signal=100%
262 tags=31%, list=20%, signal=39%
320 tags=31%, list=25%, signal=40%
176 tags=27%, list=14%, signal=31%
426 tags=40%, list=33%, signal=57%
386 tags=35%, list=30%, signal=47%
628 tags=68%, list=48%, signal=129%
583 tags=55%, list=45%, signal=96%
222 tags=28%, list=17%, signal=33%
851 tags=86%, list=66%, signal=245%
433 tags=44%, list=33%, signal=65%
811 tags=86%, list=63%, signal=227%
262 tags=26%, list=20%, signal=32%
457 tags=50%, list=35%, signal=75%

362 tags=35%, list=28%, signal=47%
599 tags=54%, list=46%, signal=93%
248 tags=31%, list=19%, signal=37%
565 tags=58%, list=44%, signal=101%
538 tags=48%, list=42%, signal=79%
142 tags=19%, list=11%, signal=21%
789 tags=84%, list=61%, signal=211%
955 tags=100%, list=74%, signal=374%
819 tags=86%, list=63%, signal=228%
433 tags=43%, list=33%, signal=63%
463 tags=50%, list=36%, signal=77%
584 tags=54%, list=45%, signal=93%
439 tags=43%, list=34%, signal=64%
607 tags=56%, list=47%, signal=102%
455 tags=42%, list=35%, signal=60%
433 tags=44%, list=33%, signal=66%
147 tags=20%, list=11%, signal=22%
215 tags=33%, list=17%, signal=40%
277 tags=27%, list=21%, signal=33%
76 tags=20%, list=6%, signal=21%
577 tags=55%, list=45%, signal=96%
448 tags=44%, list=35%, signal=67%
206 tags=21%, list=16%, signal=24%
954 tags=97%, list=74%, signal=358%
955 tags=100%, list=74%, signal=375%
197 tags=28%, list=15%, signal=32%
254 tags=27%, list=20%, signal=33%
571 tags=53%, list=44%, signal=91%
176 tags=25%, list=14%, signal=28%
473 tags=43%, list=37%, signal=65%
89 tags=16%, list=7%, signal=17%
452 tags=47%, list=35%, signal=71%
345 tags=33%, list=27%, signal=45%
54 tags=15%, list=4%, signal=15%
89 tags=24%, list=7%, signal=25%
169 tags=25%, list=13%, signal=28%
690 tags=65%, list=53%, signal=135%
379 tags=38%, list=29%, signal=53%
525 tags=52%, list=41%, signal=87%
203 tags=27%, list=16%, signal=31%
541 tags=55%, list=42%, signal=91%
411 tags=34%, list=32%, signal=49%

238 tags=27%, list=18%, signal=32%
42 tags=14%, list=3%, signal=14%
542 tags=49%, list=42%, signal=81%
861 tags=89%, list=66%, signal=260%
481 tags=41%, list=37%, signal=62%
955 tags=100%, list=74%, signal=376%
808 tags=78%, list=62%, signal=200%
388 tags=34%, list=30%, signal=48%
159 tags=25%, list=12%, signal=28%
355 tags=34%, list=27%, signal=45%
311 tags=27%, list=24%, signal=33%
176 tags=21%, list=14%, signal=23%
174 tags=26%, list=13%, signal=30%
812 tags=86%, list=63%, signal=228%
373 tags=36%, list=29%, signal=49%
95 tags=16%, list=7%, signal=16%
724 tags=68%, list=56%, signal=153%
730 tags=65%, list=56%, signal=140%
143 tags=24%, list=11%, signal=26%
245 tags=24%, list=19%, signal=28%
264 tags=24%, list=20%, signal=28%
459 tags=50%, list=35%, signal=76%
175 tags=21%, list=14%, signal=24%
250 tags=25%, list=19%, signal=30%
414 tags=39%, list=32%, signal=55%
282 tags=29%, list=22%, signal=36%
98 tags=13%, list=8%, signal=13%
230 tags=28%, list=18%, signal=33%
161 tags=22%, list=12%, signal=24%
379 tags=36%, list=29%, signal=50%
255 tags=26%, list=20%, signal=32%
194 tags=22%, list=15%, signal=25%
43 tags=14%, list=3%, signal=14%
323 tags=33%, list=25%, signal=44%
246 tags=25%, list=19%, signal=30%
445 tags=42%, list=34%, signal=63%
262 tags=26%, list=20%, signal=32%
198 tags=20%, list=15%, signal=21%
250 tags=23%, list=19%, signal=28%
576 tags=60%, list=44%, signal=106%
824 tags=89%, list=64%, signal=242%
725 tags=62%, list=56%, signal=136%

364 tags=33%, list=28%, signal=45%
194 tags=18%, list=15%, signal=21%
497 tags=50%, list=38%, signal=80%
58 tags=12%, list=4%, signal=12%
226 tags=28%, list=17%, signal=33%
203 tags=23%, list=16%, signal=26%
151 tags=16%, list=12%, signal=17%
816 tags=82%, list=63%, signal=217%
583 tags=50%, list=45%, signal=89%
648 tags=67%, list=50%, signal=132%
412 tags=33%, list=32%, signal=48%
86 tags=17%, list=7%, signal=18%
140 tags=16%, list=11%, signal=18%
197 tags=19%, list=15%, signal=22%
76 tags=19%, list=6%, signal=20%
48 tags=10%, list=4%, signal=10%
367 tags=33%, list=28%, signal=46%
363 tags=32%, list=28%, signal=43%
211 tags=23%, list=16%, signal=27%
682 tags=68%, list=53%, signal=142%
751 tags=63%, list=58%, signal=143%
219 tags=22%, list=17%, signal=25%
273 tags=33%, list=21%, signal=42%
702 tags=65%, list=54%, signal=140%
230 tags=24%, list=18%, signal=28%
479 tags=45%, list=37%, signal=70%
828 tags=74%, list=64%, signal=196%
783 tags=73%, list=60%, signal=181%
54 tags=11%, list=4%, signal=11%
595 tags=52%, list=46%, signal=95%
178 tags=16%, list=14%, signal=17%
200 tags=25%, list=15%, signal=29%
393 tags=40%, list=30%, signal=57%
356 tags=35%, list=27%, signal=48%
751 tags=68%, list=58%, signal=160%
200 tags=22%, list=15%, signal=26%
584 tags=56%, list=45%, signal=100%
433 tags=38%, list=33%, signal=54%
228 tags=21%, list=18%, signal=24%
273 tags=24%, list=21%, signal=29%
220 tags=27%, list=17%, signal=32%
820 tags=78%, list=63%, signal=208%

527 tags=47%, list=41%, signal=78%
597 tags=50%, list=46%, signal=91%
542 tags=44%, list=42%, signal=72%
355 tags=30%, list=27%, signal=39%
315 tags=25%, list=24%, signal=32%
288 tags=31%, list=22%, signal=40%
544 tags=45%, list=42%, signal=74%
164 tags=22%, list=13%, signal=25%
828 tags=78%, list=64%, signal=203%
197 tags=17%, list=15%, signal=19%
455 tags=36%, list=35%, signal=50%
483 tags=40%, list=37%, signal=62%
798 tags=81%, list=62%, signal=208%
43 tags=13%, list=3%, signal=13%
752 tags=72%, list=58%, signal=168%
357 tags=32%, list=28%, signal=43%
491 tags=39%, list=38%, signal=57%
356 tags=29%, list=27%, signal=38%
349 tags=29%, list=27%, signal=38%
329 tags=33%, list=25%, signal=44%
771 tags=80%, list=60%, signal=195%
700 tags=75%, list=54%, signal=161%
430 tags=37%, list=33%, signal=52%
93 tags=12%, list=7%, signal=13%
728 tags=71%, list=56%, signal=159%
1034 tags=100%, list=80%, signal=490%
651 tags=56%, list=50%, signal=112%
76 tags=11%, list=6%, signal=11%
465 tags=38%, list=36%, signal=57%
384 tags=32%, list=30%, signal=45%
615 tags=48%, list=47%, signal=88%
113 tags=13%, list=9%, signal=13%
568 tags=59%, list=44%, signal=103%
727 tags=65%, list=56%, signal=144%
97 tags=13%, list=7%, signal=14%
228 tags=21%, list=18%, signal=25%
179 tags=19%, list=14%, signal=22%
191 tags=17%, list=15%, signal=19%
643 tags=67%, list=50%, signal=131%
169 tags=16%, list=13%, signal=18%
430 tags=38%, list=33%, signal=55%
508 tags=41%, list=39%, signal=65%

215 tags=21%, list=17%, signal=25%
1037 tags=100%, list=80%, signal=496%
248 tags=24%, list=19%, signal=28%
667 tags=58%, list=52%, signal=111%
514 tags=48%, list=40%, signal=78%
456 tags=44%, list=35%, signal=67%
571 tags=52%, list=44%, signal=92%
377 tags=28%, list=29%, signal=39%
426 tags=36%, list=33%, signal=53%
295 tags=25%, list=23%, signal=32%
781 tags=72%, list=60%, signal=175%
159 tags=12%, list=12%, signal=13%
1020 tags=94%, list=79%, signal=432%
39 tags=10%, list=3%, signal=10%
226 tags=20%, list=17%, signal=24%
717 tags=61%, list=55%, signal=133%
111 tags=12%, list=9%, signal=12%
991 tags=92%, list=77%, signal=372%
489 tags=36%, list=38%, signal=55%
176 tags=17%, list=14%, signal=19%
27 tags=8%, list=2%, signal=7%
583 tags=50%, list=45%, signal=89%
453 tags=37%, list=35%, signal=56%
782 tags=76%, list=60%, signal=191%
706 tags=64%, list=55%, signal=138%
362 tags=33%, list=28%, signal=46%
575 tags=50%, list=44%, signal=87%
607 tags=48%, list=47%, signal=89%
419 tags=33%, list=32%, signal=48%
141 tags=18%, list=11%, signal=20%
463 tags=38%, list=36%, signal=57%
257 tags=22%, list=20%, signal=27%
466 tags=43%, list=36%, signal=67%
977 tags=90%, list=75%, signal=359%
348 tags=28%, list=27%, signal=37%
150 tags=15%, list=12%, signal=16%
643 tags=58%, list=50%, signal=113%
473 tags=39%, list=37%, signal=60%
43 tags=7%, list=3%, signal=7%
528 tags=43%, list=41%, signal=71%
747 tags=60%, list=58%, signal=131%
677 tags=58%, list=52%, signal=120%

997 tags=95%, list=77%, signal=406%
491 tags=38%, list=38%, signal=60%
133 tags=13%, list=10%, signal=13%
102 tags=11%, list=8%, signal=12%
420 tags=32%, list=32%, signal=46%
102 tags=14%, list=8%, signal=15%
689 tags=60%, list=53%, signal=126%
433 tags=34%, list=33%, signal=49%
923 tags=86%, list=71%, signal=289%
737 tags=63%, list=57%, signal=143%
800 tags=68%, list=62%, signal=172%
1058 tags=96%, list=82%, signal=515%
512 tags=44%, list=40%, signal=72%
298 tags=24%, list=23%, signal=30%
364 tags=32%, list=28%, signal=43%
428 tags=29%, list=33%, signal=41%
801 tags=71%, list=62%, signal=183%
106 tags=12%, list=8%, signal=13%
660 tags=53%, list=51%, signal=107%
338 tags=25%, list=26%, signal=32%
986 tags=91%, list=76%, signal=375%
336 tags=26%, list=26%, signal=34%
588 tags=48%, list=45%, signal=86%
304 tags=20%, list=23%, signal=25%
12 tags=5%, list=1%, signal=5%
895 tags=83%, list=69%, signal=266%
779 tags=68%, list=60%, signal=168%
15 tags=6%, list=1%, signal=6%
412 tags=28%, list=32%, signal=40%
700 tags=56%, list=54%, signal=118%
42 tags=7%, list=3%, signal=7%