

Gene Set	NES
KEGG_PROTEASOME	-2,7981236
KEGG_GLYCOLYSIS_GLUONEOGENESIS	-2,5058157
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	-2,4161668
PROTEIN_FOLDING	-2,3515246
NITROGEN_COMPOUND_METABOLIC_PROCESS	-2,2858992
AMINE_METABOLIC_PROCESS	-2,2382627
AMINO_ACID_METABOLIC_PROCESS	-2,2372925
KEGG_PARKINSONS_DISEASE	-2,2234716
KEGG_PENTOSE_PHOSPHATE_PATHWAY	-2,1792994
AMINO_ACID_AND_DERIVATIVE_METABOLIC_PROCESS	-2,1588688
KEGG_CITRATE_CYCLE_TCA_CYCLE	-2,1531835
KEGG_CYSTEINE_AND_METHIONINE_METABOLISM	-2,1479754
KEGG_OXIDATIVE_PHOSPHORYLATION	-2,1261601
V\$MYC_MAX_01	-2,107117
COFACTOR_METABOLIC_PROCESS	-2,102321
MITOCHONDRION_ORGANIZATION_AND_BIOGENESIS	-2,1017635
TRNA_METABOLIC_PROCESS	-2,100583
KEGG_PROTEIN_EXPORT	-2,0880094
KEGG_ALZHEIMERS_DISEASE	-2,0857005
V\$MYC_Q2	-2,0798883
KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLISM	-2,0778565
CARBOXYLIC_ACID_METABOLIC_PROCESS	-2,0747218
ORGANIC_ACID_METABOLIC_PROCESS	-2,0744777
CELLULAR_BIOSYNTHETIC_PROCESS	-2,0706565
KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM	-2,0652034
KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION	-2,0367074
HETEROCYCLE_METABOLIC_PROCESS	-2,0319421
KEGG_RNA_POLYMERASE	-2,0271745
MITOCHONDRIAL_TRANSPORT	-2,020482
BIOSYNTHETIC_PROCESS	-2,0054471
V\$HIF1_Q3	-2,0014095
KEGG_ARGININE_AND_PROLINE_METABOLISM	-1,9881915
KEGG_TERPENOID_BACKBONE_BIOSYNTHESIS	-1,9849468
V\$GABP_B	-1,9784379
ALCOHOL_METABOLIC_PROCESS	-1,9687159
KEGG_SELENOAMINO_ACID_METABOLISM	-1,9603868
KEGG_GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM	-1,9559577
COENZYME_METABOLIC_PROCESS	-1,9552972
V\$USF_C	-1,9532865
CELLULAR_CARBOHYDRATE_METABOLIC_PROCESS	-1,9428166
KEGG_CARDIAC_MUSCLE_CONTRACTION	-1,937909
KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_METABOLISM	-1,9321718
KEGG_HUNTINGTONS_DISEASE	-1,9298851

KEGG_SPLICEOSOME	-1,9281821
KEGG_VIBRIO_CHOLERAЕ_INFECTION	-1,9272383
RNA_PROCESSING	-1,9135625
POSITIVE_REGULATION_OF_CELL_CYCLE	-1,9089651
AROMATIC_COMPOUND_METABOLIC_PROCESS	-1,8972907
TTCNRGNNNTTC_V\$HSF_Q6	-1,891327
RIBONUCLEOPROTEIN_COMPLEX_BIOGENESIS_AND_ASSEMBLY	-1,890157
TGASTMAGC_V\$NFE2_01	-1,8729239
CGGAARNGGCNG_UNKNOWN	-1,870343
AMINO_ACID_TRANSPORT	-1,8672116
KEGG_N_GLYCAN_BIOSYNTHESIS	-1,8670521
SECONDARY_METABOLIC_PROCESS	-1,8659898
RESPONSE_TO_OXIDATIVE_STRESS	-1,8634323
V\$USF2_Q6	-1,8536484
CELLULAR_CARBOHYDRATE_CATABOLIC_PROCESS	-1,8493507
KEGG_GALACTOSE_METABOLISM	-1,8465056
PIGMENT_METABOLIC_PROCESS	-1,8455678
KEGG_RIBOSOME	-1,8419878
KEGG_PYRUVATE_METABOLISM	-1,834186
CARBOHYDRATE_BIOSYNTHETIC_PROCESS	-1,8299872
V\$ATF_01	-1,8240834
V\$MYCMAX_B	-1,8200685
V\$ELK1_02	-1,817645
NITROGEN_COMPOUND_BIOSYNTHETIC_PROCESS	-1,8164427
V\$SRF_01	-1,8150768
V\$NMYC_01	-1,8149133
CCAWWNAAGG_V\$SRF_Q4	-1,8016021
KEGG_PYRIMIDINE_METABOLISM	-1,793939
KEGG_RNA_DEGRADATION	-1,7912732
TRANSLATION	-1,7912457
TGANNYRGCA_V\$TCF11MAFG_01	-1,7799392
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION	-1,7790892
STEROID_BIOSYNTHETIC_PROCESS	-1,7782346
CARBOHYDRATE_CATABOLIC_PROCESS	-1,77568
V\$NRF2_01	-1,7729795
KEGG_ONE_CARBON_POOL_BY_FOLATE	-1,7683319
KEGG_STEROID_BIOSYNTHESIS	-1,7608944
V\$NRF2_Q4	-1,7556549
KEGG_PHENYLALANINE_METABOLISM	-1,752845
PIGMENT_BIOSYNTHETIC_PROCESS	-1,748059
V\$NFE2_01	-1,7434299
REGULATION_OF_CELL_CYCLE	-1,7413938
CELL_CYCLE_GO_0007049	-1,7403742
V\$ARNT_01	-1,7402039

CARBOHYDRATE_METABOLIC_PROCESS	-1,7397976
V\$SRF_Q6	-1,7389747
NUCLEOBASENUCLEOSIDE_AND_NUCLEOTIDE_METABOLIC_PROCESS	-1,7330017
CARBOXYLIC_ACID_TRANSPORT	-1,7312112
AMINO_SUGAR_METABOLIC_PROCESS	-1,7307831
MITOTIC_CELL_CYCLE	-1,7293234
ORGANIC_ACID_TRANSPORT	-1,7221488
MRNA_METABOLIC_PROCESS	-1,7125987
MACROMOLECULE_BIOSYNTHETIC_PROCESS	-1,7048229
V\$ATF6_01	-1,704472
AMINE_BIOSYNTHETIC_PROCESS	-1,7035104
KEGG_PROXIMAL_TUBULE_BICARBONATE_RECLAMATION	-1,7001636
V\$CREB_Q3	-1,6983218
V\$AP1_01	-1,6970884
KEGG_LYSOSOME	-1,6964374
V\$XBP1_01	-1,6843419
V\$HIF1_Q5	-1,675343
KEGG_PURINE_METABOLISM	-1,6592855
ACTAYRNNNCCCR_UNKNOWN	-1,6583364
V\$MAX_01	-1,6516819
V\$PPARG_01	-1,6481
V\$USF_Q6	-1,641402
KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM	-1,6348813
KEGG_TYROSINE_METABOLISM	-1,6328541
CGTSACG_V\$PAX3_B	-1,623522
V\$CREBP1_Q2	-1,6211461
GKCGCNNNNNNNTGAYG_UNKNOWN	-1,6192927
ACTWSNACTNY_UNKNOWN	-1,6143744
YYCATTCAWW_UNKNOWN	-1,6104406
KTGGYRSGAA_UNKNOWN	-1,6071126
RRCCGTTA_UNKNOWN	-1,6051728
TCCCRNNRTGC_UNKNOWN	-1,6040845
V\$E2F_Q4_01	-1,6039628
V\$SRF_C	-1,6000705
V\$CREB_Q4_01	-1,5942569
KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM	-1,5935856
V\$E2F1_Q6_01	-1,5897303
V\$TCF11MAFG_01	-1,5892336
V\$USF_01	-1,5888231
KEGG_DNA_REPLICATION	-1,5873499
TCANNTGAY_V\$SREBP1_01	-1,5869843
V\$MYCMAX_03	-1,5839589
SGCGSSAAA_V\$E2F1DP2_01	-1,5731711
GGAANCGGAANY_UNKNOWN	-1,5698109

V\$HNF4_01	-1,5661803
TTCYRGAA_UNKNOWN	-1,5580405
V\$E2F4DP2_01	-1,5575514
V\$ATF_B	-1,5550233
V\$E2F1DP1_01	-1,5546685
V\$COUP_DR1_Q6	-1,5525135
V\$CREB_02	-1,5479219
V\$PPAR_DR1_Q2	-1,5470638
V\$E2F1DP2_01	-1,5450486
V\$E2F_02	-1,5439019
YGCGYRCGC_UNKNOWN	-1,5436958
V\$ERR1_Q2	-1,5418429
V\$E2F4DP1_01	-1,540896
V\$CREB_Q2_01	-1,5376639
V\$STAT1_02	-1,5354567
V\$NRF1_Q6	-1,5287105
V\$ALPHACP1_01	-1,5216415
V\$E2F_01	-1,5203168
V\$CREB_01	-1,5039147
SNACANNYSYAGA_UNKNOWN	-1,4983753
V\$ARNT_02	-1,4963322
V\$E2F1_Q6	-1,4948996
V\$AP1_Q4_01	-1,4919646
TGACCTTG_V\$SF1_Q6	-1,4873445
V\$CREBP1CJUN_01	-1,4849901
TGACGTCA_V\$ATF3_Q6	-1,4822891
V\$CETS1P54_01	-1,4821042
V\$SRF_Q4	-1,4806056
V\$SRF_Q5_01	-1,4759026
V\$HEB_Q6	-1,4686565
V\$USF_Q6_01	-1,4660532
V\$BACH2_01	-1,4645076
V\$HTF_01	-1,4476479
V\$STAT5A_01	-1,4466268
V\$E2F1_Q3	-1,4446814
V\$USF_02	-1,4390981
V\$AP1_Q6	-1,4389751
V\$ZF5_01	-1,4388026
V\$NFY_C	-1,4355828
CCAATNNSNNGCG_UNKNOWN	-1,4352742
V\$E2F_Q6_01	-1,4335244
V\$E4F1_Q6	-1,4327898
TGCGCANK_UNKNOWN	-1,4315721
V\$E2F1_Q4_01	-1,4304066

V\$MYCMAX_02	-1,4160752
V\$E2F1DP1RB_01	-1,4108465
V\$E2F_03	-1,4065132
V\$AP1_Q6_01	-1,4050207
V\$DR1_Q3	-1,4045991
V\$E2F_Q3_01	-1,4022812
V\$AP1_C	-1,4021095
CTGRYYYYNATT_UNKNOWN	-1,3944839
V\$NFY_01	-1,3940098
V\$BACH1_01	-1,3905578
V\$PAX3_01	-1,3880159
V\$CREL_01	1,5825131
V\$IK3_01	1,5908895
V\$PEA3_Q6	1,5917994
V\$HP1SITEFACTOR_Q6	1,5944347
V\$NFKAPPAB_01	1,6007775
V\$ETS1_B	1,6039326
V\$IRF7_01	1,6160452
V\$GR_Q6_01	1,6333253
V\$IRF1_Q6	1,6953967
V\$PAX8_01	1,6971809
V\$ELF1_Q6	1,7918807
STTTCRNTTT_V\$IRF_Q6	1,8374724
POSITIVE_REGULATION_OF_MAP_KINASE_ACTIVITY	1,8825512
V\$ICSBP_Q6	1,9820628
CYTOKINE_PRODUCTION	2,0034878
RESPONSE_TO_BACTERIUM	2,0225382
RESPONSE_TO_OTHER_ORGANISM	2,0245862
V\$ISRE_01	2,0419588
V\$IRF_Q6	2,1116283

FDR q-value	Category
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5,97E-04	stimulated
5,37E-04	stimulated
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4,88E-04	stimulated
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0,001684934	stimulated
4,47E-04	stimulated
4,13E-04	stimulated
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3,84E-04	stimulated
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7,96E-04	stimulated
7,46E-04	stimulated
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