Pathway	Gene ranks	NES	pval	padj
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULFATE	La reconstruction of the second of the secon	1.61	2.9e-02	1.7e-01
KEGG_OOCYTE_MEIOSIS		1.76	1.9e-02	1.6e-01
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	I tititi i i i i i i i i i i i i i i i i	1.42	4.5e-02	2.0e-01
KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION		1.65	1.2e-02	1.4e-01
KEGG_TASTE_TRANSDUCTION		1.41	4.4e-02	2.0e-01
KEGG_LONG_TERM_POTENTIATION		1.60	1.2e-02	1.4e-01
KEGG_CELL_CYCLE		1.63	2.9e-02	1.7e-01
KEGG_GAP_JUNCTION		1.43	1.4e-02	1.4e-01
KEGG_SPLICEOSOME		1.41	3.1e-02	1.7e-01
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS	Hamana mana mana na	1.20	3.3e-02	1.7e-01
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION		-1.55	1.0e-03	6.0e-02
KEGG_ECM_RECEPTOR_INTERACTION		-1.61	2.2e-03	6.0e-02
KEGG_LEISHMANIA_INFECTION		-1.61	2.2e-03	6.0e-02
KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1.59	4.5e-03	8.3e-02
KEGG_CELL_ADHESION_MOLECULES_CAMS		-1.75	1.0e-03	6.0e-02
KEGG_PRION_DISEASES		-1.62	3.6e-03	7.7e-02
KEGG_TYPE_I_DIABETES_MELLITUS	t de la destación de la company de la compa	-1.60	4.9e-03	8.3e-02
KEGG_ALLOGRAFT_REJECTION		-1.65	2.5e-03	6.0e-02
KEGG_AUTOIMMUNE_THYROID_DISEASE	· · · · · · · · · · · · · · · · · · ·	-1.66	2.5e-03	6.0e-02
KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM		-1.71	1.3e-03	6.0e-02
	0 1000 2000 3000 4000			

Pathway	Gene ranks	NES	pval	padj
MOUSECYC_MM_PWY3DJ-213_TARGETED_PROTEIN_DEGRADATION		1.85	1.0e-02	1.2e-01
MOUSECYC_MM_TRNA-CHARGING-PWY_TRNA_CHARGING_PATHWAY	Тингинги то соотте с от техности	1.43	4.5e-02	2.5e-01
MOUSECYC_MM_PWY3DJ-1_CYCLIC_AMP_BIOSYNTHESIS		1.24	1.4e-01	6.1e-01
MOUSECYC_MM_PWY3DJ-1574_TCA_CYCLE_AND_MALATE_ASPARTATE_SHUTTLE_SUPERPATHWAY	I tim con e e e e e e e e e e e e e e e e e e e	0.99	4.6e-01	9.1e-01
MOUSECYC_MM_PWY-5328_SUPERPATHWAY_OF_METHIONINE_DEGRADATION		0.84	6.6e-01	9.5e-01
MOUSECYC_MM_PWY0-1334_NADH_TO_CYTOCHROME_I-BD-I_OXIDASE_ELECTRON_TRANSFER	[[0.80	8.9e-01	9.5e-01
MOUSECYC_MM_PWY0-1335_NADH_TO_CYTOCHROME_I-BO-I_OXIDASE_ELECTRON_TRANSFER		0.80	8.9e-01	9.5e-01
MOUSECYC_MM_PWY-4302_AEROBIC_RESPIRATIONELECTRON_DONOR_III		0.80	8.5e-01	9.5e-01
MOUSECYC_MM_PWY-3781_AEROBIC_RESPIRATIONELECTRON_DONOR_II		0.74	9.7e-01	9.7e-01
MOUSECYC_MM_PWY-6351_D-I-MYO-I-INOSITOL_1-4-5-TRISPHOSPHATE_BIOSYNTHESIS		-0.65	9.1e-01	9.5e-01
MOUSECYC_MM_PHOSLIPSYN-PWY_PHOSPHOLIPID_BIOSYNTHESIS_I		-0.69	8.6e-01	9.5e-01
MOUSECYC_MM_PWY-5044_PURINE_DEGRADATION_I_AEROBIC	1 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-0.83	7.3e-01	9.5e-01
MOUSECYC_MM_PWY-5136_FATTY_ACID_BETA_OXIDATION_II_CORE_PATHWAY		-0.86	7.0e-01	9.5e-01
MOUSECYC_MM_GLYCOLYSIS_GLYCOLYSIS_I		-0.87	6.7e-01	9.5e-01
MOUSECYC_MM_LIPASYN-PWY_PHOSPHOLIPASES		-0.98	5.3e-01	9.5e-01
MOUSECYC_MM_P1-PWY_SALVAGE_PATHWAYS_OF_PURINE_AND_PYRIMIDINE_NUCLEOTIDES		-1.06	4.1e-01	9.1e-01
MOUSECYC_MM_PWY-4061_GLUTATHIONE-MEDIATED_DETOXIFICATION	1 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1.11	3.5e-01	8.6e-01
MOUSECYC_MM_PWY-6353_PURINE_NUCLEOTIDES_DEGRADATION_II_AEROBIC	1 111 0	-1.14	3.4e-01	8.6e-01
MOUSECYC_MM_FAO-PWY_FATTY_ACID_BETA_OXIDATION_I	I i i i ii	-1.20	2.3e-01	7.3e-01
MOUSECYC_MM_PWY-6352_3-PHOSPHOINOSITIDE_BIOSYNTHESIS		-1.22	2.2e-01	7.3e-01
MOUSECYC_MM_PWY3DJ-0_ISOLEUCINE_DEGRADATION	1	-1.51	1.6e-02	1.2e-01
MOUSECYC_MM_PWY3DJ-86_VALINE_DEGRADATION	· · · · · · · · · · · · · · · · · · ·	-1.52	1.1e-02	1.2e-01
	0 250 500 750			

Pathway	Gene ranks	NES	pval	padj
INOH_MM_GPCR_ADENOSINE_A2A_RECEPTOR	1 111 1 1 1 1 1 1 1	1.76	4.3e-03	1.5e-01
INOH_MM_EGF		1.49	3.1e-02	3.1e-01
INOH_MM_INSULIN		1.59	2.0e-02	2.3e-01
INOH_MM_PENTOSE_PHOSPHATE_CYCLE	I III i i i i i i i i i i i i i i i i i	1.21	2.3e-01	6.6e-01
INOH_MM_FAS		1.21	2.0e-01	6.6e-01
INOH_MM_NGF		1.20	2.3e-01	6.6e-01
INOH_MM_IL-1_P38		1.22	1.2e-01	6.1e-01
INOH_MM_PDGF		1.11	2.3e-01	6.6e-01
INOH_MM_IL-1_JNK		1.19	1.4e-01	6.2e-01
INOH_MM_IL-1_NFKB		1.16	1.8e-01	6.6e-01
INOH_MM_WNT_CANONICAL		1.22	6.1e-02	4.3e-01
INOH_MM_GPCR_SIGNALING-G_ALPHA_Q		-1.19	1.3e-01	6.1e-01
INOH_MM_INTEGRIN		-1.33	3.8e-02	3.3e-01
INOH_MM_TRYPTOPHAN_DEGRADATION		-1.35	8.6e-02	4.6e-01
INOH_MM_VALINE_LEUCINE_ISOLEUCINE_DEGRADATION		-1.39	6.9e-02	4.3e-01
INOH_MM_JAK_STAT_MOLECULARVARIATION_2		-1.52	8.5e-03	2.0e-01
INOH_MM_JAK_STAT_MOLECULARVARIATION_1		-1.60	1.1e-03	7.9e-02
INOH_MM_CD4_T_CELL_RECEPTOR_SIGNALING-JNK_CASCADE	11	-1.49	1.7e-02	2.3e-01
INOH_MM_PROPANOATE_METABOLISM		-1.43	6.5e-02	4.3e-01
INOH_MM_HISTIDINE_DEGRADATION		-1.40	8.4e-02	4.6e-01
INOH_MM_TYROSINE_METABOLISM		-1.51	2.0e-02	2.3e-01
	0 300 600 900			

Pathway	Gene ranks	NES	pval	padj
WIKIPATHWAYS_MM_MRNA_PROCESSING-WP411	II II MII II II II MII MII MII MII MII	2.07	2.1e-02	4.1e-01
WIKIPATHWAYS_MM_HYPOTHETICAL_NETWORK_FOR_DRUG_ADDICTION-WP666	The same of the sa	1.50	5.3e-02	4.6e-01
WIKIPATHWAYS_MM_ONE_CARBON_METABOLISM-WP241	Linna managaran sa	1.45	7.7e-02	4.6e-01
WIKIPATHWAYS_MM_TRANSLATION_FACTORS-WP107	I II u municipal de la montre de la companya de la	1.60	2.8e-02	4.1e-01
WIKIPATHWAYS_MM_DNA_REPLICATION-WP466	Here the second control of the contr	1.38	7.3e-02	4.6e-01
WIKIPATHWAYS_MM_NUCLEOTIDE_METABOLISM-WP404		1.20	2.2e-01	7.0e-01
WIKIPATHWAYS_MM_STRIATED_MUSCLE_CONTRACTION-WP383	I min critica e mon e como	1.26	1.4e-01	6.2e-01
WIKIPATHWAYS_MM_EUKARYOTIC_TRANSCRIPTION_INITIATION-WP405		1.31	1.2e-01	5.7e-01
WIKIPATHWAYS_MM_G_PROTEIN_SIGNALING_PATHWAYS-WP35		1.36	5.3e-02	4.6e-01
WIKIPATHWAYS_MM_NOTCH_SIGNALING_PATHWAY-WP61	Harring and the second of the	1.12	2.2e-01	7.0e-01
WIKIPATHWAYS_MM_INTEGRATED_BREAST_CANCER_PATHWAY-WP1984	Himma i numerius (incertius i suo menera (inc. 2007) (inc. 2007) (inc. 2007) (inc. 2007) (inc. 2007) (inc. 2007)	1.24	2.7e-02	4.1e-01
WIKIPATHWAYS_MM_FOCAL_ADHESION-WP306		-1.30	5.8e-02	4.6e-01
WIKIPATHWAYS_MM_INSULIN_SIGNALING-WP481		-1.29	6.7e-02	4.6e-01
WIKIPATHWAYS_MM_GPCRS_CLASS_A_RHODOPSIN-LIKE-WP455		-1.30	7.6e-02	4.6e-01
WIKIPATHWAYS_MM_ADIPOGENESIS-WP236		-1.42	2.0e-02	4.1e-01
WIKIPATHWAYS_MM_FOLATE_METABOLISM-WP176	tri ranna ere ere ere ere ere ere ere ere ere er	-1.33	7.8e-02	4.6e-01
WIKIPATHWAYS_MM_SELENIUM_PATHWAY-WP15		-1.38	5.0e-02	4.6e-01
WIKIPATHWAYS_MM_PEPTIDE_GPCRS-WP24	ti i i i i i i i i i i i i i i i i i i	-1.37	6.6e-02	4.6e-01
WIKIPATHWAYS_MM_ENDOCHONDRAL_OSSIFICATION-WP474	11 100 1 10 10 10 10 10 10 10 10 10 10 1	-1.51	1.8e-02	4.1e-01
WIKIPATHWAYS_MM_ANGIOGENESIS-WP1539	The second of th	-1.39	6.4e-02	4.6e-01
WIKIPATHWAYS_MM_INFLAMMATORY_RESPONSE_PATHWAY-WP453		-1.47	3.3e-02	4.3e-01
WIKIPATHWAYS_MM_COMPLEMENT_AND_COAGULATION_CASCADES-WP558		-1.53	1.8e-02	4.1e-01
WIKIPATHWAYS_MM_TYPE_II_INTERFERON_SIGNALING_IFNG-WP619	п — « « « « « « « « « « « « « « « « « «	-1.53	1.8e-02	4.1e-01
WIKIPATHWAYS_MM_NUCLEAR_RECEPTORS-WP170		-1.56	1.7e-02	4.1e-01
	0 1000 2000			