

Gene Set	Gene Set Description	Number of Markers	Enrichment Score	Normalized Enrichment	p-value	FDR	Description
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RESPIRATORY_ELECTRON_TRANSPORT	134	0.664053	203,243	0	0.0897388	Decreased Expression with Increasing Exponent
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHAIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHAIN	169	0.653196	204,227	0	0.0986741	Decreased Expression with Increasing Exponent
REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE	47	0.727139	205,345	0	0.106067	Decreased Expression with Increasing Exponent
KEGG_CITRATE_CYCLE_TCA_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CITRATE_CYCLE_TCA_CYCLE	65	0.724749	210,825	0	0.113781	Decreased Expression with Increasing Exponent
REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT	254	0.607586	206,842	0	0.121494	Decreased Expression with Increasing Exponent
MOOTHA_TCA	http://www.broadinstitute.org/gsea/msigdb/cards/MOOTHA_TCA	39	0.672497	198,795	0	0.147743	Decreased Expression with Increasing Exponent
KEGG_PARKINSONS_DISEASE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PARKINSONS_DISEASE	239	0.542531	195,371	0.0019685	0.18184	Decreased Expression with Increasing Exponent
MOOTHA_VOXPPOS	http://www.broadinstitute.org/gsea/msigdb/cards/MOOTHA_VOXPPOS	186	0.599602	195,858	0.0019685	0.195052	Decreased Expression with Increasing Exponent
KEGG_OXIDATIVE_PHOSPHORYLATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_OXIDATIVE_PHOSPHORYLATION	243	0.559457	193,856	0.00198413	0.199777	Decreased Expression with Increasing Exponent
REACTOME_FORMATION_OF_ATP_BY_CHEMIOSMOTIC_COUPLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FORMATION_OF_ATP_BY_CHEMIOSMOTIC_COUPLING	30	0.736963	192,793	0	0.207312	Decreased Expression with Increasing Exponent
REACTOME_PYRUVATE_METABOLISM_AND_CITRIC_ACID_TCA_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PYRUVATE_METABOLISM_AND_CITRIC_ACID_TCA_CYCLE	98	0.567396	190,346	0.00193798	0.256839	Decreased Expression with Increasing Exponent
KEGG_HUNTINGTONS_DISEASE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_HUNTINGTONS_DISEASE	395	0.440028	186,363	0	0.383233	Decreased Expression with Increasing Exponent
PID_TCR_CALCIIUM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TCR_CALCIIUM_PATHWAY	67	-0.576665	-192,996	0	0.568689	Increased Expression with Increasing Exponent
KEGG_BUTANOATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_BUTANOATE_METABOLISM	70	0.555181	181,187	0.0078125	0.610835	Decreased Expression with Increasing Exponent
KEGG_PYRUVATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PYRUVATE_METABOLISM	73	0.580243	180,245	0.00389864	0.62616	Decreased Expression with Increasing Exponent
ST_B_CELL_ANTIEN_RECEPTOR	http://www.broadinstitute.org/gsea/msigdb/cards/ST_B_CELL_ANTIEN_RECEPTOR	107	-0.488765	-19,332	0	0.627851	Increased Expression with Increasing Exponent
BIOCARTA_TGFB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TGFB_PATHWAY	58	-0.534867	-184,007	0.00796813	0.657234	Increased Expression with Increasing Exponent
SIG_PIP3_SIGNALING_IN_B_LYMPHOCYTES	http://www.broadinstitute.org/gsea/msigdb/cards/SIG_PIP3_SIGNALING_IN_B_LYMPHOCYTES	116	-0.497276	-194,146	0	0.673886	Increased Expression with Increasing Exponent
WEBER_METHYLATED_HCP_IN_FIBROBLAST_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_HCP_IN_FIBROBLAST_UP	16	-0.741089	-185,202	0.0056391	0.688224	Increased Expression with Increasing Exponent
BIOCARTA_FCFER1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_FCFER1_PATHWAY	118	-0.481044	-184,061	0.00190476	0.691518	Increased Expression with Increasing Exponent
SIG_IL4RECEPTOR_IN_B_LYPHOCYTES	http://www.broadinstitute.org/gsea/msigdb/cards/SIG_IL4RECEPTOR_IN_B_LYPHOCYTES	90	-0.471027	-183,014	0.00192678	0.694475	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_20_HELA	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_20_HELA	26	-0.7144	-184,561	0.00404858	0.695089	Increased Expression with Increasing Exponent
PID_FCFER1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_FCFER1_PATHWAY	158	-0.463736	-185,445	0.00373832	0.71719	Increased Expression with Increasing Exponent
REACTOME_GPV1_MEDIATED_ACTIVATION_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GPV1_MEDIATED_ACTIVATION_CASCADE	100	-0.449051	-158,905	0.0574257	0.722892	Increased Expression with Increasing Exponent
GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN	http://www.broadinstitute.org/gsea/msigdb/cards/GALINDO_IMMUNE_RESPONSE_TO_ENTEROTOXIN	224	-0.481887	-159,436	0.0769231	0.722963	Increased Expression with Increasing Exponent
ZHU_CMV_24_HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHU_CMV_24_HR_DN	251	-0.474347	-159,586	0.0511811	0.725988	Increased Expression with Increasing Exponent
SUZUKI_RESPONSE_TO_TSA_AND_DECITABINE_1B	http://www.broadinstitute.org/gsea/msigdb/cards/SUZUKI_RESPONSE_TO_TSA_AND_DECITABINE_1B	59	-0.410097	-158,939	0.0114943	0.72634	Increased Expression with Increasing Exponent
SHIN_B_CELL_LYMPHOMA_CLUSTER_2	http://www.broadinstitute.org/gsea/msigdb/cards/SHIN_B_CELL_LYMPHOMA_CLUSTER_2	64	-0.46353	-159,458	0.0416667	0.727194	Increased Expression with Increasing Exponent
REACTOME_INFLAMMASOMES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INFLAMMASOMES	45	-0.479781	-15,965	0.0380762	0.728277	Increased Expression with Increasing Exponent
REACTOME_OTHER_SEMAPHORIN_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_OTHER_SEMAPHORIN_INTERACTIONS	44	-0.618131	-195,137	0.00399202	0.728398	Increased Expression with Increasing Exponent
PID_SMAD2_3PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_SMAD2_3PATHWAY	63	-0.458686	-159,002	0.0342742	0.728562	Increased Expression with Increasing Exponent
BIOCARTA_HIVNEF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_HIVNEF_PATHWAY	182	-0.393437	-159,108	0.0156863	0.728782	Increased Expression with Increasing Exponent
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_UV_UV_IN_OLD	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_UV_UV_IN_OLD	70	-0.443544	-159,951	0.023622	0.729766	Increased Expression with Increasing Exponent
PID_RANBP2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RANBP2_PATHWAY	45	-0.606533	-159,174	0.0235756	0.73078	Increased Expression with Increasing Exponent
VANDESLUIS_NORMAL_EMBRYOS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANDESLUIS_NORMAL_EMBRYOS_DN	56	-0.510938	-159,783	0.0572597	0.732425	Increased Expression with Increasing Exponent
SHIN_B_CELL_LYMPHOMA_CLUSTER_8	http://www.broadinstitute.org/gsea/msigdb/cards/SHIN_B_CELL_LYMPHOMA_CLUSTER_8	99	-0.437949	-15,965	0.015748	0.733752	Increased Expression with Increasing Exponent
BIOCARTA_ERYTH_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ERYTH_PATHWAY	31	-0.568419	-159,975	0.0417495	0.734329	Increased Expression with Increasing Exponent
BILANGES_SERUM_SENSITIVE_VIA_TSC1	http://www.broadinstitute.org/gsea/msigdb/cards/BILANGES_SERUM_SENSITIVE_VIA_TSC1	42	-0.516882	-160,077	0.00788955	0.735187	Increased Expression with Increasing Exponent
MODY_HIPOCAMPUS_NEONATAL	http://www.broadinstitute.org/gsea/msigdb/cards/MODY_HIPOCAMPUS_NEONATAL	99	-0.446538	-142,974	0.133333	0.737609	Increased Expression with Increasing Exponent
PID_EPO_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_EPO_PATHWAY	109	-0.363738	-142,834	0.0560928	0.738348	Increased Expression with Increasing Exponent
SCIAN_INVERSED_TARGETS_OF_TP53_AND_TP73_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCIAN_INVERSED_TARGETS_OF_TP53_AND_TP73_DN	96	-0.44391	-15,776	0.0320755	0.738416	Increased Expression with Increasing Exponent
PHONG_TNF_RESPONSE_VIA_P38_PARTIAL	http://www.broadinstitute.org/gsea/msigdb/cards/PHONG_TNF_RESPONSE_VIA_P38_PARTIAL	453	-0.412983	-157,547	0.0563107	0.738907	Increased Expression with Increasing Exponent
DEBOSSCHER_NFKB_TARGETS_REPRESSED_BY_GLUCCORTICOIDS	http://www.broadinstitute.org/gsea/msigdb/cards/DEBOSSCHER_NFKB_TARGETS_REPRESSED_BY_GLUCCORTICOIDS	36	-0.565941	-158,462	0.0511364	0.73911	Increased Expression with Increasing Exponent
ZHENG_FOXP3_TARGETS_IN_THYMUS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_FOXP3_TARGETS_IN_THYMUS_DN	33	-0.53976	-158,055	0.0570825	0.73926	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_2HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_2HR_UP	96	-0.451067	-157,437	0.0211538	0.739276	Increased Expression with Increasing Exponent
BIOCARTA_EIF4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EIF4_PATHWAY	82	-0.379771	-14,298	0.0789474	0.739487	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUSTAINED_IN_MONOCYTES	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUSTAINED_IN_MONOCYTES	19	-0.54909	-142,415	0.111111	0.73967	Increased Expression with Increasing Exponent
BIOCARTA_NKT_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NKT_PATHWAY	49	-0.506482	-142,465	0.136719	0.739726	Increased Expression with Increasing Exponent
ONO_AML1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ONO_AML1_TARGETS_UP	402	-0.498157	-1,601	0.0402299	0.7398	Increased Expression with Increasing Exponent
PID_S1P_S1P4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_S1P_S1P4_PATHWAY	38	-0.454138	-142,847	0.0909091	0.740045	Increased Expression with Increasing Exponent
ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_DN	70	-0.411155	-142,731	0.0978887	0.740154	Increased Expression with Increasing Exponent
NGUYEN_NOTCH1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NGUYEN_NOTCH1_TARGETS_DN	241	-0.368528	-157,827	0.025	0.740258	Increased Expression with Increasing Exponent
KYNG_DNA_DAMAGE_BY_4NQO	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_DNA_DAMAGE_BY_4NQO	102	-0.437897	-168,377	0.0174757	0.740464	Increased Expression with Increasing Exponent
PID_PTP1B_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_PTP1B_PATHWAY	148	-0.368777	-143,002	0.0481928	0.74083	Increased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_C_CLUSTER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_C_CLUSTER_DN	116	-0.397385	-157,604	0.0178926	0.740845	Increased Expression with Increasing Exponent
KEGG_NOD LIKE RECEPTOR SIGNALING PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NOD LIKE RECEPTOR_SIGNALING_PATHWAY	149	-0.378827	-142,215	0.0872865	0.741006	Increased Expression with Increasing Exponent
DASU_IL6_SIGNALING_SCAR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DASU_IL6_SIGNALING_SCAR_DN	45	-0.497711	-142,595	0.118677	0.74104	Increased Expression with Increasing Exponent
MAHADEVAN_RESPONSE_TO_MP470_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MAHADEVAN_RESPONSE_TO_MP470_DN	47	-0.656368	-168,178	0.0483871	0.741151	Increased Expression with Increasing Exponent
HUNSBERGER_EXERCISE_REGULATED_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/HUNSBERGER_EXERCISE_REGULATED_GENES	75	-0.412483	-143,159	0.0598802	0.741431	Increased Expression with Increasing Exponent
PID_REG_GR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_REG_GR_PATHWAY	206	-0.340972	-142,469	0.0708812	0.741625	Increased Expression with Increasing Exponent
UZONYI_RESPONSE_TO_LEUKOTRIENE_AND_THROMBIN	http://www.broadinstitute.org/gsea/msigdb/cards/UZONYI_RESPONSE_TO_LEUKOTRIENE_AND_THROMBIN	93	-0.674698	-185,807	0.00785855	0.741768	Increased Expression with Increasing Exponent
JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN	158	-0.378948	-142,627	0.0819048	0.741901	Increased Expression with Increasing Exponent
DELASERNA_MYOD_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DELASERNA_MYOD_TARGETS_DN	156	-0.381921	-143,076	0.072407	0.742356	Increased Expression with Increasing Exponent
BIOCARTA_RANKL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RANKL_PATHWAY	34	-0.464685	-143,016	0.100386	0.742426	Increased Expression with Increasing Exponent
BREUHAHN_GROWTH_FACTOR_SIGNALING_IN_LIVER_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/BREUHAHN_GROWTH_FACTOR_SIGNALING_IN_LIVER_CANCER	72	-0.440803	-158,087	0.0389105	0.742582	Increased Expression with Increasing Exponent
WANG_TNF_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_TNF_TARGETS	51	-0.433786	-142,224	0.0958084	0.74269	Increased Expression with Increasing Exponent
BIOCARTA_UCALPAIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_UCALPAIN_PATHWAY	64	-0.389812	-143,227	0.064257	0.742946	Increased Expression with Increasing Exponent
BIOCARTA_NGF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NGF_PATHWAY	46	-0.453071	-143,174	0.106464	0.742948	Increased Expression with Increasing Exponent
KEGG_FC_EPSILON_R1_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_FC_EPSILON_R1_SIGNALING_PATHWAY	205	-0.326329	-142,486	0.0522244	0.743012	Increased Expression with Increasing Exponent
BIOCARTA_BAD_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_BAD_PATHWAY	73	-0.382523	-142,663	0.0656064	0.743236	Increased Expression with Increasing Exponent
JACKSON_DNMT1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JACKSON_DNMT1_TARGETS_DN	71	-0.481511	-160,615	0.0429688	0.743414	Increased Expression with Increasing Exponent
BIOCARTA_IL6_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL6_PATHWAY	65	-0.504895	-160,131	0.0451977	0.74406	Increased Expression with Increasing Exponent
CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_UP	112	-0.422047	-142,255	0.101594	0.744114	Increased Expression with Increasing Exponent
REACTOME_RNA_POL_I_PROMOTER_OPENING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_I_PROMOTER_OPENING	76	-0.527183	-16,046	0.0846457	0.745011	Increased Expression with Increasing Exponent
BIOCARTA_IL2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL2_PATHWAY	59	-0.494116	-157,831	0.0431373	0.745059	Increased Expression with Increasing Exponent
BREDEMEYER_RAG_SIGNALING_VIA_ATM_NOT_VIA_NFKB_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BREDEMEYER_RAG_SIGNALING_VIA_ATM_NOT_VIA_ATM_NOT_VIA_NFKB_UP	110	-0.359861	-14,327	0.056	0.745677	Increased Expression with Increasing Exponent
PID_TCPTP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TCPTP_PATHWAY	155	-0.394731	-15,823	0.0271845	0.745682	Increased Expression with Increasing Exponent
ZWANG_CLASS_2_TRANSIENTLY_INDUCED_BY_EGF	http://www.broadinstitute.org/gsea/msigdb/cards/ZWANG_CLASS_2_TRANSIENTLY_INDUCED_BY_EGF	95	-0.465036	-156,699	0.0458167	0.745697	Increased Expression with Increasing Exponent
REACTOME_AKT_PHOSPHORYLATES_TARGETS_IN_THE_CYTOSOL	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_AKT_PHOSPHORYLATES_TARGETS_IN_THE_CYTOSOL	39	-0.603243	-158,126	0.042471	0.745931	Increased Expression with Increasing Exponent
ST_GA12_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_GA12_PATHWAY	73	-0.401492	-160,203	0.019802	0.746369	Increased Expression with Increasing Exponent
DASU_IL6_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DASU_IL6_SIGNALING_UP	122	-0.394335	-142,005	0.117409	0.74674	Increased Expression with Increasing Exponent
VERRECCHIA_RESPONSE_TO_TGFB1_C4	http://www.broadinstitute.org/gsea/msigdb/cards/VERRECCHIA_RESPONSE_TO_TGFB1_C4	39	-0.536821	-160,667	0.0392927	0.747058	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_PDGF	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_PDGF	353	-0.325405	-14,329	0.0429688	0.747161	Increased Expression with Increasing Exponent
BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_AND_PAX3	http://www.broadinstitute.org/gsea/msigdb/cards/BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_AND_PAX3	25	-0.547681	-143,455	0.103586	0.747468	Increased Expression with Increasing Exponent
PID_GLYPICAN_1PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_GLYPICAN_1PATHWAY	83	-0.444159	-156,962	0.0380762	0.74756	Increased Expression with Increasing Exponent
CHEN_ETV5_TARGETS_SERTOLI	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_ETV5_TARGETS_SERTOLI	48	-0.534486	-143,389	0.136634	0.747756	Increased Expression with Increasing Exponent
GRADE_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRADE_METASTASIS_DN	98	-0.414437	-143,304	0.114228	0.748781	Increased Expression with Increasing Exponent
CHO_NR4A1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/CHO_NR4A1_TARGETS	61	-0.412796	-14,354	0.110487	0.748786	Increased Expression with Increasing Exponent
BACOLOD_RESISTANCE_TO_ALKYLATING_AGENTS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BACOLOD_RESISTANCE_TO_ALKYLATING_AGENTS_UP	61	-0.428634	-141,878	0.104364	0.749197	Increased Expression with Increasing Exponent
NIELSEN_MALIGNAT_FIBROUS_HISTIOCYTOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_MALIGNAT_FIBROUS_HISTIOCYTOMA_UP	26	-0.660109	-15,672	0.05	0.749304	Increased Expression with Increasing Exponent
REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DOWNREGULATION_OF_SMAD2_3_SMAD4_TRANSCRIPTIONAL_ACTIVATION	68	-0.461062	-16,074	0.0386179	0.74933	Increased Expression with Increasing Exponent
KEGG_TYPE_II_DIABETES_MELLITUS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TYPE_II_DIABETES_MELLITUS	121	-0.367276	-143,466	0.0626186	0.749364	Increased Expression with Increasing Exponent
NIELSEN_LIPOSARCOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_LIPOSARCOMA_DN	60	-0.455653	-156,825	0.0503781	0.749381	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_ROBO_RECEPTOR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_ROBO_RECEPTOR	89	-0.449009	-168,412	0.0143149	0.749483	Increased Expression with Increasing Exponent
GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP	190	-0.397201	-14,357	0.108317	0.749923	Increased Expression with Increasing Exponent
ROVERSI_GLIOMA_LOH_REGIONS	http://www.broadinstitute.org/gsea/msigdb/cards/ROVERSI_GLIOMA_LOH_REGIONS	120	-0.348334	-14,362	0.0665323	0.750321	Increased Expression with Increasing Exponent
KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS	207	-0.461628	-160,238	0.0435644	0.750403	Increased Expression with Increasing Exponent

CHEN_HOXA5_TARGETS_6HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_HOXA5_TARGETS_6HR_UP	20	-0.654708	-149,971	0.0905512	0.751188	Increased Expression with Increasing Exponent
BIOCARTA_ERK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ERK_PATHWAY	97	-0.374215	-140,619	0.101124	0.751804	Increased Expression with Increasing Exponent
GERHOLD_RESPONSE_TO_TZD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GERHOLD_RESPONSE_TO_TZD_DN	31	-0.500369	-156,972	0.0461216	0.751921	Increased Expression with Increasing Exponent
ST_PHOSPHOINOSITIDE_3_KINASE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_PHOSPHOINOSITIDE_3_KINASE_PATHWAY	115	-0.363856	-14,363	0.0664137	0.752101	Increased Expression with Increasing Exponent
WIKMAN_ASBESTOS_LUNG_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WIKMAN_ASBESTOS_LUNG_CANCER_DN	88	-0.472507	-161,772	0.0387597	0.752105	Increased Expression with Increasing Exponent
AKL_HTLV1_INFECTION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/AKL_HTLV1_INFECTION_UP	59	-0.413823	-150,019	0.047817	0.752292	Increased Expression with Increasing Exponent
BIOCARTA_LAIR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_LAIR_PATHWAY	34	-0.555101	-143,682	0.140625	0.752491	Increased Expression with Increasing Exponent
BIOCARTA_IL7_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL7_PATHWAY	46	-0.450701	-150,084	0.0780952	0.752768	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_4HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_4HR_UP	170	-0.392224	-161,389	0.0137525	0.752928	Increased Expression with Increasing Exponent
REACTOME_IL3_5_AND_GM-CSF_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IL3_5_AND_GM-CSF_SIGNALING	105	-0.435286	-15,559	0.0473373	0.753053	Increased Expression with Increasing Exponent
CROONQUIST_STROMAL_STIMULATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CROONQUIST_STROMAL_STIMULATION_UP	151	-0.421631	-140,629	0.116959	0.753394	Increased Expression with Increasing Exponent
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_SCP2_QTL_TRANS	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTRYKH_HEMATOPOIESIS_STEM_CELL_SCP2_QTL_TRANS	41	-0.378827	-140,947	0.0429688	0.753443	Increased Expression with Increasing Exponent
REACTOME_COPI_MEDIATED_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_COPI_MEDIATED_TRANSPORT	22	-0.597934	-15,568	0.0590476	0.753599	Increased Expression with Increasing Exponent
KEGG_PROSTATE_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PROSTATE_CANCER	282	-0.302211	-140,727	0.0355731	0.753731	Increased Expression with Increasing Exponent
REACTOME_RIP_MEDIATED_NFKB_ACTIVATION_VIA_DAI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RIP_MEDIATED_NFKB_ACTIVATION_VIA_DAI	70	-0.420534	-140,672	0.0721248	0.753765	Increased Expression with Increasing Exponent
HU_GENOTOXIC_DAMAGE_24HR	http://www.broadinstitute.org/gsea/msigdb/cards/HU_GENOTOXIC_DAMAGE_24HR	14	-0.383424	-14,051	0.0588235	0.75379	Increased Expression with Increasing Exponent
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_DN	131	-0.395137	-140,781	0.121212	0.753799	Increased Expression with Increasing Exponent
SIMBULAN_PARP1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SIMBULAN_PARP1_TARGETS_UP	80	-0.507488	-160,768	0.03663	0.753963	Increased Expression with Increasing Exponent
TRACEY_RESISTANCE_TO_IFNA2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TRACEY_RESISTANCE_TO_IFNA2_DN	71	-0.440018	-149,831	0.062753	0.754039	Increased Expression with Increasing Exponent
PID_IL12_STAT4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL12_STAT4_PATHWAY	80	-0.44082	-143,697	0.105159	0.754143	Increased Expression with Increasing Exponent
BIOCARTA_INSULIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_INSULIN_PATHWAY	62	-0.494312	-161,481	0.0325048	0.7543	Increased Expression with Increasing Exponent
REACTOME_SEMAPHORIN_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SEMAPHORIN_INTERACTIONS	198	-0.349264	-150,263	0.0335306	0.754403	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_60_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_60_MCF10A	112	-0.516078	-167,785	0.0428016	0.754508	Increased Expression with Increasing Exponent
BILBAN_B_CLL_LPL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BILBAN_B_CLL_LPL_DN	131	-0.45076	-157,018	0.0404858	0.754686	Increased Expression with Increasing Exponent
LU1_THYROID_CANCER_CLUSTER_3	http://www.broadinstitute.org/gsea/msigdb/cards/LU1_THYROID_CANCER_CLUSTER_3	66	-0.423508	-140,805	0.109344	0.754866	Increased Expression with Increasing Exponent
FERNANDEZ_BOUND_BY_MYC	http://www.broadinstitute.org/gsea/msigdb/cards/FERNANDEZ_BOUND_BY_MYC	453	-0.306897	-140,961	0.0543689	0.754885	Increased Expression with Increasing Exponent
KEGG_VEGF_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_VEGF_SIGNALING_PATHWAY	197	-0.341197	-150,109	0.0214008	0.754895	Increased Expression with Increasing Exponent
SARTIPY_NORMAL_AT_INSULIN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SARTIPY_NORMAL_AT_INSULIN_RESISTANCE_UP	74	-0.45275	-140,852	0.12381	0.755022	Increased Expression with Increasing Exponent
RASHI_RESPONSE_TO_IONIZING_RADIATION_3	http://www.broadinstitute.org/gsea/msigdb/cards/RASHI_RESPONSE_TO_IONIZING_RADIATION_3	141	-0.391016	-148,567	0.0569106	0.755778	Increased Expression with Increasing Exponent
REACTOME_IL2_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IL2_SIGNALING	103	-0.405285	-155,822	0.0393701	0.755842	Increased Expression with Increasing Exponent
TSUNODA_CISPLATIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TSUNODA_CISPLATIN_RESISTANCE_DN	123	-0.420798	-140,394	0.125475	0.755902	Increased Expression with Increasing Exponent
WIERENGA_STAT5A_TARGETS_GROUP2	http://www.broadinstitute.org/gsea/msigdb/cards/WIERENGA_STAT5A_TARGETS_GROUP2	143	-0.425957	-148,493	0.0838323	0.755922	Increased Expression with Increasing Exponent
BIOCARTA_BCR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_BCR_PATHWAY	103	-0.385543	-143,709	0.0792079	0.755964	Increased Expression with Increasing Exponent
BIOCARTA_ATM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ATM_PATHWAY	59	-0.448334	-143,765	0.0923077	0.756094	Increased Expression with Increasing Exponent
CHIBA_RESPONSE_TO_TSA	http://www.broadinstitute.org/gsea/msigdb/cards/CHIBA_RESPONSE_TO_TSA	125	-0.391065	-148,627	0.0795918	0.756244	Increased Expression with Increasing Exponent
ST_T_CELL_SIGNAL_TRANSDUCTION	http://www.broadinstitute.org/gsea/msigdb/cards/ST_T_CELL_SIGNAL_TRANSDUCTION	131	-0.346054	-140,963	0.0684932	0.756848	Increased Expression with Increasing Exponent
SMIRNOV_RESPONSE_TO_IR_6HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMIRNOV_RESPONSE_TO_IR_6HR_DN	274	-0.346559	-12,854	0.184584	0.756859	Increased Expression with Increasing Exponent
SUZUKI_RESPONSE_TO_TSA	http://www.broadinstitute.org/gsea/msigdb/cards/SUZUKI_RESPONSE_TO_TSA	47	-0.452956	-150,135	0.0551331	0.756907	Increased Expression with Increasing Exponent
IIZUKA_LIVER_CANCER_EARLY_RECURRENCE	http://www.broadinstitute.org/gsea/msigdb/cards/IIZUKA_LIVER_CANCER_EARLY_RECURRENCE	31	-0.615202	-156,274	0.0472441	0.756992	Increased Expression with Increasing Exponent
NIELSEN_SYNOVIAL_SARCOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_SYNOVIAL_SARCOMA_DN	48	-0.652055	-150,277	0.134269	0.757013	Increased Expression with Increasing Exponent
PID_IL2_1PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL2_1PATHWAY	163	-0.408537	-161,806	0.0248092	0.757029	Increased Expression with Increasing Exponent
PARK_HSC_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_HSC_MARKERS	122	-0.455742	-168,468	0.0152091	0.757116	Increased Expression with Increasing Exponent
HU_GENOTOXIN_ACTION_DIRECT_VS_INDIRECT_4HR	http://www.broadinstitute.org/gsea/msigdb/cards/HU_GENOTOXIN_ACTION_DIRECT_VS_INDIRECT_4HR	96	-0.425992	-143,799	0.104854	0.757134	Increased Expression with Increasing Exponent
REACTOME_GENERATION_OF_SECOND_MESSENGER_MOLECULES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GENERATION_OF_SECOND_MESSENGER_MOLECULES	67	-0.472644	-141,608	0.153082	0.757207	Increased Expression with Increasing Exponent
PID_A1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_A1_PATHWAY	177	-0.385031	-144,157	0.0990476	0.757233	Increased Expression with Increasing Exponent
PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PICCALUGA_ANGIOIMMUNOBLASTIC_LYMPHOMA_DN	430	-0.365255	-141,056	0.11368	0.757333	Increased Expression with Increasing Exponent
CHEN_LVAD_SUPPORT_OF_FAILING_HEART_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_LVAD_SUPPORT_OF_FAILING_HEART_UP	267	-0.42667	-162,048	0.0437262	0.757343	Increased Expression with Increasing Exponent
KOINUMA_COLON_CANCER_MSI_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KOINUMA_COLON_CANCER_MSI_DN	25	-0.506174	-141,108	0.113503	0.757436	Increased Expression with Increasing Exponent
ZHENG_GLIOBLASTOMA_PLASTICITY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_GLIOBLASTOMA_PLASTICITY_DN	155	-0.385218	-156,169	0.0262097	0.757446	Increased Expression with Increasing Exponent
CUI_TCF21_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CUI_TCF21_TARGETS_UP	108	-0.34943	-128,556	0.176707	0.757492	Increased Expression with Increasing Exponent
REACTOME_CD28_DEPENDENT_PI3K_AKT_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CD28_DEPENDENT_PI3K_AKT_SIGNALING	65	-0.360258	-12,863	0.174419	0.757511	Increased Expression with Increasing Exponent
PID_ALK1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ALK1_PATHWAY	65	-0.410152	-148,374	0.0607843	0.757716	Increased Expression with Increasing Exponent
REACTOME_STRIATED_MUSCLE_CONTRACTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_STRIATED_MUSCLE_CONTRACTION	60	-0.380122	-141,266	0.0694444	0.757723	Increased Expression with Increasing Exponent
PID_FGF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_FGF_PATHWAY	185	-0.305977	-127,671	0.141176	0.757841	Increased Expression with Increasing Exponent
WATANABE_ULCERATIVE_COLITIS_WITH_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WATANABE_ULCERATIVE_COLITIS_WITH_CANCER_DN	42	-0.511109	-141,368	0.157576	0.757873	Increased Expression with Increasing Exponent
HESS_TARGETS_OF_HOXA9_AND_MEIS1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HESS_TARGETS_OF_HOXA9_AND_MEIS1_DN	185	-0.433714	-141,314	0.158513	0.757909	Increased Expression with Increasing Exponent
JOSEPH_RESPONSE_TO_SODIUM_BUTYRATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JOSEPH_RESPONSE_TO_SODIUM_BUTYRATE_DN	149	-0.304348	-128,653	0.11619	0.757921	Increased Expression with Increasing Exponent
MCCLUNG_COCAIN_REWARD_4WK	http://www.broadinstitute.org/gsea/msigdb/cards/MCCLUNG_COCAIN_REWARD_4WK	196	-0.349878	-148,657	0.0392927	0.757927	Increased Expression with Increasing Exponent
NEBEN_AML_WITH_FLT3_OR_NRAS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NEBEN_AML_WITH_FLT3_OR_NRAS_DN	23	-0.48914	-143,837	0.108481	0.757937	Increased Expression with Increasing Exponent
PID_PDGFRB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_PDGFRB_PATHWAY	387	-0.303756	-12,763	0.146825	0.757962	Increased Expression with Increasing Exponent
BIOCARTA_MTOR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MTOR_PATHWAY	72	-0.412793	-140,984	0.10325	0.757984	Increased Expression with Increasing Exponent
SEIKE_LUNG_CANCER_POOR_SURVIVAL	http://www.broadinstitute.org/gsea/msigdb/cards/SEIKE_LUNG_CANCER_POOR_SURVIVAL	16	-0.664197	-155,682	0.0697674	0.758014	Increased Expression with Increasing Exponent
REACTOME_PLATELET_ADHESION_TO_EXPOSED_COLLAGEN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PLATELET_ADHESION_TO_EXPOSED_COLLAGEN	33	-0.594967	-155,871	0.0826772	0.758119	Increased Expression with Increasing Exponent
REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMADS	64	-0.362058	-128,569	0.167939	0.75821	Increased Expression with Increasing Exponent
DISTECHE_ESCAPED_FROM_X_INACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/DISTECHE_ESCAPED_FROM_X_INACTIVATION	44	-0.607743	-161,528	0.0770751	0.758377	Increased Expression with Increasing Exponent
BUSA_SAM68_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BUSA_SAM68_TARGETS_DN	17	-0.529936	-131,331	0.180198	0.758378	Increased Expression with Increasing Exponent
NOJIMA_SFRP2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NOJIMA_SFRP2_TARGETS_UP	72	-0.465414	-144,005	0.12549	0.758441	Increased Expression with Increasing Exponent
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_ENVIRONMENTAL_STRESS_RESPONSE_UP	153	-0.365183	-128,673	0.187747	0.758469	Increased Expression with Increasing Exponent
SASAI_RESISTANCE_TO_NEOPLASTIC_TRANSFROMATION	http://www.broadinstitute.org/gsea/msigdb/cards/SASAI_RESISTANCE_TO_NEOPLASTIC_TRANSFROMATION	114	-0.450568	-148,786	0.0826613	0.758601	Increased Expression with Increasing Exponent
HUANG_GATA2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUANG_GATA2_TARGETS_DN	199	-0.322715	-141,402	0.054902	0.758609	Increased Expression with Increasing Exponent
PID_RB_1PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RB_1PATHWAY	173	-0.350765	-144,179	0.043222	0.758702	Increased Expression with Increasing Exponent
DAZARD_UV_RESPONSE_CLUSTER_G2	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_UV_RESPONSE_CLUSTER_G2	49	-0.420094	-133,246	0.143411	0.758714	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_30MIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_30MIN_UP	140	-0.35294	-150,312	0.0267686	0.758756	Increased Expression with Increasing Exponent
LIN_TUMOR_ESCAPE_FROM_IMMUNE_ATTACK	http://www.broadinstitute.org/gsea/msigdb/cards/LIN_TUMOR_ESCAPE_FROM_IMMUNE_ATTACK	40	-0.409062	-127,677	0.19057	0.758788	Increased Expression with Increasing Exponent
BILANGES_SERUM_SENSITIVE_VIA_TSC2	http://www.broadinstitute.org/gsea/msigdb/cards/BILANGES_SERUM_SENSITIVE_VIA_TSC2	119	-0.415599	-143,935	0.0985916	0.758907	Increased Expression with Increasing Exponent
BIOCARTA_PDGF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PDGF_PATHWAY	96	-0.415744	-156,045	0.0265655	0.758957	Increased Expression with Increasing Exponent
NEBEN_AML_WITH_FLT3_OR_NRAS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NEBEN_AML_WITH_FLT3_OR_NRAS_UP	25	-0.581425	-160,797	0.0363985	0.758957	Increased Expression with Increasing Exponent
IZADPANAH_STEM_CELL_ADIPOSE_VS_BONE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IZADPANAH_STEM_CELL_ADIPOSE_VS_BONE_DN	323	-0.313327	-131,442	0.126195	0.75896	Increased Expression with Increasing Exponent
NAGASHIMA_NRG1_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NAGASHIMA_NRG1_SIGNALING_UP	436	-0.406379	-151,074	0.0896686	0.758979	Increased Expression with Increasing Exponent
ALONSO_METASTASIS_NEURAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ALONSO_METASTASIS_NEURAL_UP	45	-0.429314	-128,272	0.22093	0.759018	Increased Expression with Increasing Exponent
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_4NQO_IN_OLD	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_4NQO_IN_OLD	33	-0.488377	-14,405	0.101392	0.759133	Increased Expression with Increasing Exponent
SWEET_KRAS_TARGETS_UP</							

SERVITJA_ISLET_HNF1A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SERVITJA_ISLET_HNF1A_TARGETS_UP	417	-0.367554	-141,156	0.0949495	0.759729	Increased Expression with Increasing Exponent
TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_NORMAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOB	218	-0.412285	-132,447	0.205882	0.759783	Increased Expression with Increasing Exponent
SIG_INSULIN_RECEPTOR_PATHWAY_IN_CARDIAC_MYOCYTES	http://www.broadinstitute.org/gsea/msigdb/cards/SIG_INSULIN_RECEPTOR_PATHWAY_IN_CARDIAC_MY	165	-0.338236	-141,424	0.0632184	0.759793	Increased Expression with Increasing Exponent
DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DAVICIONI_TARGETS_OF_PAX_FOXO1_FUSIONS_DN	165	-0.34755	-143,848	0.0615079	0.7598	Increased Expression with Increasing Exponent
AMIT_DELAYED_EARLY_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_DELAYED_EARLY_GENES	52	-0.51212	-133,521	0.215292	0.759838	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_2HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_2HR_DN	133	-0.388743	-148,822	0.037037	0.759915	Increased Expression with Increasing Exponent
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_RUNX1	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTRYKH_HEMATOPOIESIS_STEM_CELL_RUNX1	16	-0.546875	-133,738	0.189453	0.76002	Increased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_DN	339	-0.366457	-13,356	0.17	0.760022	Increased Expression with Increasing Exponent
STEINER_ERYTHROCYTE_MEMBRANE_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/STEINER_ERYTHROCYTE_MEMBRANE_GENES	56	-0.510064	-161,877	0.0444444	0.760037	Increased Expression with Increasing Exponent
DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMS_DN	45	-0.430634	-133,247	0.161034	0.760069	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUSTAINED_IN_ERYTHR	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUS	127	-0.368184	-131,448	0.152778	0.760073	Increased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_UP	95	-0.422834	-1,481	0.0806452	0.760169	Increased Expression with Increasing Exponent
REACTOME_POST_CHAPERONIN_TUBULIN_FOLDING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_POST_CHAPERONIN_TUBULIN_FOLDING_	36	-0.547345	-144,201	0.134809	0.760185	Increased Expression with Increasing Exponent
LIU_NASOPHARYNGEAL_CARCINOMA	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_NASOPHARYNGEAL_CARCINOMA	233	-0.284178	-127,929	0.100379	0.760189	Increased Expression with Increasing Exponent
SIMBULAN_UV_RESPONSE_NORMAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SIMBULAN_UV_RESPONSE_NORMAL_DN	123	-0.34746	-128,844	0.180233	0.760267	Increased Expression with Increasing Exponent
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_GAMMA_IN_OLD	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY	86	-0.351579	-128,351	0.174257	0.760267	Increased Expression with Increasing Exponent
CAIRO_LIVER_DEVELOPMENT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CAIRO_LIVER_DEVELOPMENT_UP	418	-0.284951	-127,702	0.105372	0.760271	Increased Expression with Increasing Exponent
PRAMOONIAGO_SOX4_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PRAMOONIAGO_SOX4_TARGETS_UP	142	-0.424291	-12,808	0.266795	0.760276	Increased Expression with Increasing Exponent
KEGG_RENAL_CELL_CARCINOMA	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_RENAL_CELL_CARCINOMA	217	-0.343821	-148,671	0.0234834	0.760308	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_11	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_11	83	-0.390712	-133,462	0.161417	0.760312	Increased Expression with Increasing Exponent
KORKOLA_TERATOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_TERATOMA_UP	49	-0.558394	-148,236	0.102913	0.760336	Increased Expression with Increasing Exponent
BIOCARTA_CLASSIC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CLASSIC_PATHWAY	18	-0.574928	-128,037	0.246988	0.760412	Increased Expression with Increasing Exponent
PID_IL6_7_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL6_7_PATHWAY	135	-0.444465	-161,011	0.0368217	0.760416	Increased Expression with Increasing Exponent
INGA_TP53_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/INGA_TP53_TARGETS	43	-0.480605	-128,722	0.228302	0.760417	Increased Expression with Increasing Exponent
LEE_METASTASIS_AND_ALTERNATIVE_SPLICING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_METASTASIS_AND_ALTERNATIVE_SPLICING_UP	185	-0.338212	-133,276	0.124498	0.760538	Increased Expression with Increasing Exponent
BIOCARTA_EGF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EGF_PATHWAY	97	-0.366851	-133,587	0.132114	0.760563	Increased Expression with Increasing Exponent
BIOCARTA_THELPER_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_THELPER_PATHWAY	27	-0.553346	-132,511	0.201207	0.760563	Increased Expression with Increasing Exponent
KEGG_SMALL_CELL_LUNG_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_SMALL_CELL_LUNG_CANCER	234	-0.292513	-128,148	0.133581	0.760581	Increased Expression with Increasing Exponent
BIOCARTA_G1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_G1_PATHWAY	80	-0.400128	-132,675	0.178641	0.760642	Increased Expression with Increasing Exponent
THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP	http://www.broadinstitute.org/gsea/msigdb/cards/THEILGAARD_NEUTROPHIL_AT_SKIN_WOUND_UP	221	-0.34479	-128,753	0.201923	0.760705	Increased Expression with Increasing Exponent
REACTOME_FACILITATIVE_NA_INDEPENDENT_GLUCOSE_TRANSPORTERS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FACILITATIVE_NA_INDEPENDENT_GLU	24	-0.570886	-151,343	0.0524194	0.760746	Increased Expression with Increasing Exponent
SHIN_B_CELL_LYMPHOMA_CLUSTER_7	http://www.broadinstitute.org/gsea/msigdb/cards/SHIN_B_CELL_LYMPHOMA_CLUSTER_7	96	-0.348502	-13,331	0.104126	0.760817	Increased Expression with Increasing Exponent
ZHU_CMV_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHU_CMV_ALL_DN	375	-0.419843	-155,156	0.0638723	0.760822	Increased Expression with Increasing Exponent
MAGRANGEAS_MULTIPLE_MYELOMA_IGG_VS_IGA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MAGRANGEAS_MULTIPLE_MYELOMA_IGG_VS_IGA_D	109	-0.353385	-128,901	0.154599	0.760875	Increased Expression with Increasing Exponent
NAKAMURA_ADIPOGENESIS_EARLY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_ADIPOGENESIS_EARLY_DN	117	-0.39808	-132,542	0.163107	0.760877	Increased Expression with Increasing Exponent
PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PYEON_CANCER_HEAD_AND_NECK_VS_CERVICAL_D	65	-0.38921	-127,718	0.166667	0.760901	Increased Expression with Increasing Exponent
YE_METASTATIC_LIVER_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/YE_METASTATIC_LIVER_CANCER	59	-0.369429	-128,368	0.176587	0.760957	Increased Expression with Increasing Exponent
BYSTROEM_CORRELATED_WITH_IL5_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTROEM_CORRELATED_WITH_IL5_UP	128	-0.323927	-131,498	0.114919	0.760969	Increased Expression with Increasing Exponent
GREENBAUM_E2A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GREENBAUM_E2A_TARGETS_DN	57	-0.413416	-132,453	0.15507	0.760994	Increased Expression with Increasing Exponent
BRACHAT_RESPONSE_TO_METHOTREXATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BRACHAT_RESPONSE_TO_METHOTREXATE_UP	79	-0.474498	-156,289	0.0469667	0.760996	Increased Expression with Increasing Exponent
LINDGREN_BLADDER_CANCER_CLUSTER_2A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LINDGREN_BLADDER_CANCER_CLUSTER_2A_DN	384	-0.31985	-133,751	0.0981964	0.761071	Increased Expression with Increasing Exponent
IRITANI_MAD1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IRITANI_MAD1_TARGETS_UP	29	-0.411262	-126,758	0.194389	0.761087	Increased Expression with Increasing Exponent
HAHTOLA_MYCOSIS_FUNGOIDES_CD4_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_MYCOSIS_FUNGOIDES_CD4_UP	164	-0.431709	-132,576	0.214286	0.761141	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_PR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_PR_DN	136	-0.323189	-127,934	0.136273	0.761157	Increased Expression with Increasing Exponent
SAGIV_CD24_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SAGIV_CD24_TARGETS_DN	102	-0.339151	-127,746	0.164683	0.761194	Increased Expression with Increasing Exponent
SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_D	405	-0.367614	-144,294	0.08577	0.761211	Increased Expression with Increasing Exponent
KEEN_RESPONSE_TO_ROSIGLITAZONE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KEEN_RESPONSE_TO_ROSIGLITAZONE_DN	283	-0.438002	-151,099	0.094	0.76123	Increased Expression with Increasing Exponent
GESERICK_TERT_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GESERICK_TERT_TARGETS_DN	41	-0.554604	-148,144	0.126437	0.761288	Increased Expression with Increasing Exponent
PHONG_TNF_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PHONG_TNF_TARGETS_UP	146	-0.507057	-148,862	0.138943	0.761332	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_MONOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_MOI	173	-0.351669	-128,924	0.160305	0.761339	Increased Expression with Increasing Exponent
BIOCARTA_SPRY_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SPRY_PATHWAY	55	-0.390294	-131,528	0.145957	0.761341	Increased Expression with Increasing Exponent
GROSS_ELK3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_ELK3_TARGETS_DN	61	-0.433375	-128,847	0.212524	0.761357	Increased Expression with Increasing Exponent
KEGG_MTOR_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_MTOR_SIGNALING_PATHWAY	149	-0.297958	-127,853	0.112903	0.761382	Increased Expression with Increasing Exponent
LABBE_TGFB1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LABBE_TGFB1_TARGETS_UP	273	-0.316692	-13,383	0.107422	0.761393	Increased Expression with Increasing Exponent
CLAUS_PGR_POSITIVE_MENINGIOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CLAUS_PGR_POSITIVE_MENINGIOMA_DN	44	-0.588818	-187,813	0.00598802	0.761402	Increased Expression with Increasing Exponent
NEWMAN_ERCC6_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NEWMAN_ERCC6_TARGETS_UP	59	-0.395716	-126,782	0.19057	0.761425	Increased Expression with Increasing Exponent
KIM_WT1_TARGETS_8HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_WT1_TARGETS_8HR_UP	494	-0.308667	-127,441	0.147117	0.761494	Increased Expression with Increasing Exponent
PID_SMAP2_3NUCLEAR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_SMAP2_3NUCLEAR_PATHWAY	281	-0.28953	-132,354	0.0629771	0.761511	Increased Expression with Increasing Exponent
GENTILE_UV_RESPONSE_CLUSTER_D2	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_RESPONSE_CLUSTER_D2	123	-0.445872	-168,583	0.00609756	0.761517	Increased Expression with Increasing Exponent
ST_INTERLEUKIN_13_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_INTERLEUKIN_13_PATHWAY	16	-0.557567	-127,769	0.240404	0.761596	Increased Expression with Increasing Exponent
ST_IL_13_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_IL_13_PATHWAY	16	-0.557567	-127,769	0.240404	0.761596	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_THE_API_FAMILY_OF_TRANSCRIPTION_FACT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_THE_API_FAMILY_OF_T	34	-0.46308	-141,431	0.108216	0.761607	Increased Expression with Increasing Exponent
HEIDENBLAD_AMPLIFIED_IN_PANCREATIC_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/HEIDENBLAD_AMPLIFIED_IN_PANCREATIC_CANCER	93	-0.446554	-15,125	0.064257	0.761662	Increased Expression with Increasing Exponent
LIAN_LIPA_TARGETS_6M	http://www.broadinstitute.org/gsea/msigdb/cards/LIAN_LIPA_TARGETS_6M	171	-0.391928	-127,397	0.252525	0.761692	Increased Expression with Increasing Exponent
BIOCARTA_MAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MAL_PATHWAY	53	-0.345277	-13,164	0.114398	0.761702	Increased Expression with Increasing Exponent
FONTAINE_THYROID_TUMOR_UNCERTAIN_MALIGNANCY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FONTAINE_THYROID_TUMOR_UNCERTAIN_MALIGNAN	56	-0.417798	-132,686	0.162218	0.761703	Increased Expression with Increasing Exponent
MMS_MOUSE_LYMPH_HIGH_4HRS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MMS_MOUSE_LYMPH_HIGH_4HRS_UP	99	-0.406346	-131,558	0.162055	0.761714	Increased Expression with Increasing Exponent
DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DIAZ_CHRONIC_MEYLOGENOUS_LEUKEMIA_DN	269	-0.339149	-126,398	0.218254	0.761742	Increased Expression with Increasing Exponent
HARRIS_HYPOXIA	http://www.broadinstitute.org/gsea/msigdb/cards/HARRIS_HYPOXIA	195	-0.412945	-130,938	0.220077	0.761762	Increased Expression with Increasing Exponent
HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_UP	70	-0.519274	-144,337	0.142857	0.76181	Increased Expression with Increasing Exponent
SEMBA_FHIT_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SEMBA_FHIT_TARGETS_UP	32	-0.430364	-128,948	0.194831	0.761831	Increased Expression with Increasing Exponent
FARMER_BREAST_CANCER_CLUSTER_5	http://www.broadinstitute.org/gsea/msigdb/cards/FARMER_BREAST_CANCER_CLUSTER_5	40	-0.583893	-127,318	0.29901	0.761838	Increased Expression with Increasing Exponent
WENG_POR_TARGETS_LIVER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WENG_POR_TARGETS_LIVER_UP	96	-0.355068	-133,591	0.120858	0.761871	Increased Expression with Increasing Exponent
BIOCARTA_PYK2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PYK2_PATHWAY	95	-0.360079	-131,056	0.136364	0.761892	Increased Expression with Increasing Exponent
OZANNE_API1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OZANNE_API1_TARGETS_UP	44	-0.481944	-133,319	0.217742	0.761917	Increased Expression with Increasing Exponent
BIOCARTA_ARENRF2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ARENRF2_PATHWAY	49	-0.412185	-132,593	0.158416	0.761972	Increased Expression with Increasing Exponent
KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION	149	-0.375734	-133,768	0.154158	0.761989	Increased Expression with Increasing Exponent
TOMLINS_PROSTATE_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TOMLINS_PROSTATE_CANCER_DN	144	-0.322641	-126,425	0.168357	0.76199	Increased Expression with Increasing Exponent
BIOCARTA_TFF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TFF_PATHWAY	79	-0.390339	-150,852	0.028626	0.761992	Increased Expression with Increasing Exponent
KEGG_MELANOMA	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_MELANOMA	212	-0.286176	-127,462	0.114786	0.762019	Increased Expression with Increasing Exponent
BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_DN	79	-0.413583	-134,557	0.164151	0.762029	Increased Expression with Increasing Exponent
REACTOME_TRAF6_MEDIATED_INDUCATION_OF_TAK1_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAF6_MEDIATED_INDUCATION_OF_TAK1	30	-0.450203	-133,941	0.182711	0.762042	Increased Expression with Increasing Exponent
NAKAMURA_ADIPOGENESIS_LATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_ADIPOGENESIS_LATE_DN	113	-0.365713	-126,501	0.185771	0.762045	Increased Expression with Increasing Exponent
WORSCHCH_TUMOR_EVASION_AND_TOLEROGENICITY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WORSCHCH_TUMOR_EVASION_AND_TOLEROGENICI	54	-0.476183	-150,312	0.0933333	0.762049	Increased Expression with Increasing Exponent
SCHMAHL_PDGF_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/SCHMAHL_PDGF_SIGNALING	22	-0.512321	-134,513	0.162	0.76205	Increased Expression with Increasing Exponent
MCCOLLUM_GELDANAMYCIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCCOLLUM_GELDANAMYCIN_RESISTANCE_DN	23	-0.482882	-131,587	0.180915	0.762062	Increased Expression with Increasing Exponent
GRANDVAUX_IRF3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRANDVAUX_IRF3_TARGETS_DN	59	-0.466577	-15,093	0.058	0.76211	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_MYC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_MYC_UP	134	-0.351977	-133,629	0.121569	0.762133	Increased Expression with Increasing Exponent
GUTIERREZ_WALDENSTROMS_MACROGLOBULINEMIA_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GUTIERREZ_WALDENSTROMS_MACROGLOBULINEMI	15	-0.627726	-133,094	0.200385	0.76219	Increased Expression with Increasing Exponent
CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CASORELLI_ACUTE_PROMYELOCYTIC_LEUKEMIA_UP	497	-0.305691	-13,433	0.0921305	0.762199	Increased Expression with Increasing Exponent
WEINMANN_ADAPTATION_TO_HYPOXIA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WEINMANN_ADAPTATION_TO_HYPOXIA_DN	93	-0.424915	-14,016	0.124272	0.762202	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_SIGNALING_BY_CBL	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_SIGNALING_BY_CBL	48	-0.481047	-150,385	0.0748988	0.76227	Increased Expression with Increasing Exponent
REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_AND_ACTIVAT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TAK1_ACTIVATES_NFKB_BY_PHOSPHORY	55	-0.359297	-128,972	0.131021	0.762281	Increased Expression with Increasing Exponent
BIOCARTA_RELA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RELA_PATHWAY	29	-0.459586	-134,282	0.138728	0.762322	Increased Expression with Increasing Exponent
BIOCARTA_CDMAC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CDMAC_PATHWAY	39	-0.42616	-13,437	0.147573	0.762378	Increased Expression with Increasing Exponent
MARKEY_RB1_CHRONIC_LOF_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARKEY_RB1_CHRONIC_LOF_DN	278	-0.359558	-134,413	0.158954	0.762433	Increased Expression with Increasing Exponent
URS_ADIPOCYTE_DIFFERENTIATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/URS_ADIPOCYTE_DIFFERENTIATION_DN	74	-0.422212	-132,919	0.180583	0.762442	Increased Expression with Increasing Exponent
SCHWAB_TARGETS_OF_BMYB_POLYMORPHIC_VARIANTS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHWAB_TARGETS_OF_BMYB_POLYMORPHIC_VARIA	54	-0.461341	-132,874	0.166667	0.762453	Increased Expression with Increasing Exponent

AZARE_NEOPLASTIC_TRANSFORMATION_BY_STAT3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/AZARE_NEOPLASTIC_TRANSFORMATION_BY_STAT3_U	354	-0.388955	-144,203	0.078	0.762463	Increased Expression with Increasing Exponent
PID_MYC_REPRESS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_MYC_REPRESS_PATHWAY	189	-0.314311	-13,384	0.0872211	0.762473	Increased Expression with Increasing Exponent
KAYO_CALORIE_RESTRICTION_MUSCLE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KAYO_CALORIE_RESTRICTION_MUSCLE_UP	223	-0.322407	-126,782	0.190661	0.762483	Increased Expression with Increasing Exponent
BRACHAT_RESPONSE_TO_CISPLATIN	http://www.broadinstitute.org/gsea/msigdb/cards/BRACHAT_RESPONSE_TO_CISPLATIN	61	-0.505778	-150,763	0.0770751	0.762486	Increased Expression with Increasing Exponent
SASSON_RESPONSE_TO_FORSKOLIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SASSON_RESPONSE_TO_FORSKOLIN_DN	277	-0.326555	-130,799	0.154472	0.762494	Increased Expression with Increasing Exponent
IWANAGA_CARCIINOGENESIS_BY_KRAS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IWANAGA_CARCIINOGENESIS_BY_KRAS_DN	320	-0.268434	-127,333	0.082495	0.76251	Increased Expression with Increasing Exponent
ONDER_CDH1_SIGNALING_VIA_CTNNB1	http://www.broadinstitute.org/gsea/msigdb/cards/ONDER_CDH1_SIGNALING_VIA_CTNNB1	200	-0.43633	-151,148	0.0678643	0.762538	Increased Expression with Increasing Exponent
BIOCARTA_ECM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ECM_PATHWAY	82	-0.390626	-148,977	0.0383065	0.762563	Increased Expression with Increasing Exponent
PID_NFKAPPAB_CANONICAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NFKAPPAB_CANONICAL_PATHWAY	62	-0.392724	-130,951	0.17451	0.762585	Increased Expression with Increasing Exponent
PID_RET_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RET_PATHWAY	136	-0.332223	-126,441	0.187867	0.762632	Increased Expression with Increasing Exponent
MCGOWAN_RSP6_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCGOWAN_RSP6_TARGETS_UP	47	-0.410287	-126,252	0.216634	0.762647	Increased Expression with Increasing Exponent
KEGG_DILATED_CARDIOMYOPATHY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_DILATED_CARDIOMYOPATHY	269	-0.328212	-126,887	0.157171	0.762659	Increased Expression with Increasing Exponent
LABBE_WNT3A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LABBE_WNT3A_TARGETS_UP	281	-0.297715	-128,996	0.123529	0.76271	Increased Expression with Increasing Exponent
LIAO_HAVE_SOX4_BINDING_SITES	http://www.broadinstitute.org/gsea/msigdb/cards/LIAO_HAVE_SOX4_BINDING_SITES	105	-0.312202	-126,515	0.166667	0.762719	Increased Expression with Increasing Exponent
NIELSEN_GIST_AND_SYNOVIAL_SARCOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_GIST_AND_SYNOVIAL_SARCOMA_DN	42	-0.536007	-134,583	0.22332	0.762721	Increased Expression with Increasing Exponent
HOEBEKE_LYMPHOID_STEM_CELL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOEBEKE_LYMPHOID_STEM_CELL_UP	338	-0.323915	-14,511	0.0382294	0.762739	Increased Expression with Increasing Exponent
MARTINELLI_IMMATURE_NEUTROPHIL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARTINELLI_IMMATURE_NEUTROPHIL_DN	22	-0.651997	-149,044	0.11332	0.762764	Increased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_PCA3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_PCA3_UP	195	-0.289372	-131,643	0.0865979	0.762933	Increased Expression with Increasing Exponent
ST_DIFFERENTIATION_PATHWAY_IN_PC12_CELLS	http://www.broadinstitute.org/gsea/msigdb/cards/ST_DIFFERENTIATION_PATHWAY_IN_PC12_CELLS	130	-0.333924	-13,269	0.0974155	0.762942	Increased Expression with Increasing Exponent
CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_DN	126	-0.315166	-126,276	0.171963	0.763006	Increased Expression with Increasing Exponent
LEI_HOXC8_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEI_HOXC8_TARGETS_UP	26	-0.500821	-131,062	0.196941	0.76301	Increased Expression with Increasing Exponent
MARKEY_RB1_ACUTE_LOF_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARKEY_RB1_ACUTE_LOF_UP	461	-0.360119	-126,909	0.215953	0.763066	Increased Expression with Increasing Exponent
CHANDRAN_METASTASIS_TOP50_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHANDRAN_METASTASIS_TOP50_UP	137	-0.34355	-127,164	0.178	0.763069	Increased Expression with Increasing Exponent
ZHONG_RESPONSE_TO_AZACITIDINE_AND_TSA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHONG_RESPONSE_TO_AZACITIDINE_AND_TSA_UP	473	-0.28569	-130,616	0.0827068	0.763076	Increased Expression with Increasing Exponent
TURASHVILI_BREAST_CARCINOMA_DUCTAL_VS_LOBULAR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_CARCINOMA_DUCTAL_VS_LOBU	66	-0.365911	-133,953	0.104167	0.763093	Increased Expression with Increasing Exponent
IGLESIAS_E2F_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IGLESIAS_E2F_TARGETS_UP	413	-0.362512	-130,975	0.173196	0.763143	Increased Expression with Increasing Exponent
SEKI_INFLAMMATORY_RESPONSE_LPS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SEKI_INFLAMMATORY_RESPONSE_LPS_UP	180	-0.414349	-134,212	0.193424	0.763162	Increased Expression with Increasing Exponent
PODAR_RESPONSE_TO_ADAPHOSTIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PODAR_RESPONSE_TO_ADAPHOSTIN_DN	49	-0.432235	-134,613	0.150476	0.763191	Increased Expression with Increasing Exponent
HOWLIN_CITED1_TARGETS_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOWLIN_CITED1_TARGETS_1_UP	122	-0.417448	-149,541	0.0688259	0.763211	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_18	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_18	21	-0.553792	-134,433	0.171779	0.763242	Increased Expression with Increasing Exponent
VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_UP	493	-0.35351	-126,303	0.231827	0.763326	Increased Expression with Increasing Exponent
REACTOME_IL7_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IL7_SIGNALING	33	-0.505783	-149,314	0.0898204	0.76338	Increased Expression with Increasing Exponent
FUNG_IL2_SIGNALING_2	http://www.broadinstitute.org/gsea/msigdb/cards/FUNG_IL2_SIGNALING_2	18	-0.480116	-130,728	0.174757	0.763386	Increased Expression with Increasing Exponent
PID_S1P_S1P2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_S1P_S1P2_PATHWAY	72	-0.381485	-13,217	0.15121	0.763431	Increased Expression with Increasing Exponent
WANG_PROSTATE_CANCER_ANDROGEN_INDEPENDENT	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_PROSTATE_CANCER_ANDROGEN_INDEPENDEN	193	-0.306256	-126,785	0.139059	0.763488	Increased Expression with Increasing Exponent
LANDIS_BREAST_CANCER_PROGRESSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LANDIS_BREAST_CANCER_PROGRESSION_UP	121	-0.316478	-132,717	0.0991903	0.763498	Increased Expression with Increasing Exponent
CHIN_BREAST_CANCER_COPY_NUMBER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIN_BREAST_CANCER_COPY_NUMBER_DN	41	-0.393763	-126,967	0.194389	0.763508	Increased Expression with Increasing Exponent
ST_G_ALPHA_L_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_G_ALPHA_L_PATHWAY	125	-0.363529	-151,362	0.0297619	0.76356	Increased Expression with Increasing Exponent
KHETCHOUMIAN_TRIM24_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KHETCHOUMIAN_TRIM24_TARGETS_UP	133	-0.439586	-131,085	0.23	0.763569	Increased Expression with Increasing Exponent
FLECHNER_PBL_KIDNEY_TRANSPLANT_OK_VS_DONOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FLECHNER_PBL_KIDNEY_TRANSPLANT_OK_VS_DONOR	402	-0.29654	-129,084	0.135294	0.763607	Increased Expression with Increasing Exponent
PID_HES_HEY_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HES_HEY_PATHWAY	134	-0.293462	-126,557	0.129555	0.76361	Increased Expression with Increasing Exponent
BIOCARTA_NFKB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NFKB_PATHWAY	44	-0.425365	-126,818	0.202381	0.763613	Increased Expression with Increasing Exponent
DORN_ADENOVIRUS_INFECTION_12HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DORN_ADENOVIRUS_INFECTION_12HR_DN	83	-0.397873	-130,802	0.201923	0.763616	Increased Expression with Increasing Exponent
REACTOME_METAL_ION_SLC_TRANSPORTERS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_METAL_ION_SLC_TRANSPORTERS	57	-0.419941	-129,281	0.182711	0.763617	Increased Expression with Increasing Exponent
WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_TBH	http://www.broadinstitute.org/gsea/msigdb/cards/WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_TBH	193	-0.332522	-147,684	0.0337792	0.763628	Increased Expression with Increasing Exponent
BIOCARTA_GLEEVEC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_GLEEVEC_PATHWAY	61	-0.429306	-150,657	0.036965	0.76363	Increased Expression with Increasing Exponent
PID_TOLL_ENDOGENOUS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TOLL_ENDOGENOUS_PATHWAY	59	-0.423844	-132,754	0.151639	0.763633	Increased Expression with Increasing Exponent
WEIGEL_OXIDATIVE_STRESS_BY_TBH_AND_H2O2	http://www.broadinstitute.org/gsea/msigdb/cards/WEIGEL_OXIDATIVE_STRESS_BY_TBH_AND_H2O2	104	-0.453849	-148,879	0.0854871	0.763651	Increased Expression with Increasing Exponent
SOUCEK_MYC_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SOUCEK_MYC_TARGETS	16	-0.614455	-133,979	0.1875	0.763684	Increased Expression with Increasing Exponent
GALIE_TUMOR_ANGIOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/GALIE_TUMOR_ANGIOGENESIS	24	-0.548795	-126,519	0.240918	0.763686	Increased Expression with Increasing Exponent
PID_KIT_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_KIT_PATHWAY	158	-0.360873	-147,821	0.0438095	0.763715	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_RAC	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_RAC	43	-0.394585	-132,079	0.148221	0.763721	Increased Expression with Increasing Exponent
PETRETTO_BLOOD_PRESSURE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PETRETTO_BLOOD_PRESSURE_DN	24	-0.450377	-132,921	0.164	0.763801	Increased Expression with Increasing Exponent
GERY_CEBP_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/GERY_CEBP_TARGETS	293	-0.373405	-144,346	0.065764	0.763829	Increased Expression with Increasing Exponent
DORN_ADENOVIRUS_INFECTION_48HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DORN_ADENOVIRUS_INFECTION_48HR_DN	93	-0.398908	-133,002	0.169291	0.763887	Increased Expression with Increasing Exponent
ZHANG_PROLIFERATING_VS_QUIESCENT	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_PROLIFERATING_VS_QUIESCENT	134	-0.388163	-134,145	0.158203	0.763888	Increased Expression with Increasing Exponent
KORKOLA_EMBRYONIC_CARCINOMA_VS_SEMINOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_EMBRYONIC_CARCINOMA_VS_SEMINOMA	59	-0.352484	-129,114	0.153398	0.763898	Increased Expression with Increasing Exponent
PID_IL2_PI3K_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL2_PI3K_PATHWAY	93	-0.332124	-128,996	0.145873	0.763906	Increased Expression with Increasing Exponent
WEBER_METHYLATED_LCP_IN_FIBROBLAST_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_LCP_IN_FIBROBLAST_DN	15	-0.494759	-13,384	0.147573	0.763931	Increased Expression with Increasing Exponent
RIZKI_TUMOR_INVASIVENESS_2D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RIZKI_TUMOR_INVASIVENESS_2D_UP	154	-0.323505	-130,833	0.0952381	0.763969	Increased Expression with Increasing Exponent
REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_V	221	-0.40659	-149,373	0.0935673	0.763991	Increased Expression with Increasing Exponent
MOROSETTI_FACIOSCAPULOHUMERAL_MUSCULAR_DISTROPHY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MOROSETTI_FACIOSCAPULOHUMERAL_MUSCULAR_D	38	-0.445873	-12,717	0.219653	0.763996	Increased Expression with Increasing Exponent
BASSO_HAIRY_CELL_LEUKEMIA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BASSO_HAIRY_CELL_LEUKEMIA_DN	241	-0.316316	-127,205	0.185185	0.764004	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_TURQUOISE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLI	248	-0.351343	-131,651	0.16141	0.764018	Increased Expression with Increasing Exponent
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_GAMMA_IN_WS	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY	81	-0.369305	-126,912	0.19917	0.76405	Increased Expression with Increasing Exponent
KUMAMOTO_RESPONSE_TO_NUTLIN_3A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KUMAMOTO_RESPONSE_TO_NUTLIN_3A_UP	23	-0.571817	-13,111	0.244048	0.764088	Increased Expression with Increasing Exponent
POS_HISTAMINE_RESPONSE_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/POS_HISTAMINE_RESPONSE_NETWORK	76	-0.404212	-155,181	0.028	0.764093	Increased Expression with Increasing Exponent
JIANG_TIP30_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JIANG_TIP30_TARGETS_UP	135	-0.345717	-134,049	0.125	0.76412	Increased Expression with Increasing Exponent
PARK_TRETINOIN_RESPONSE_AND_RARA_PLZF_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_TRETINOIN_RESPONSE_AND_RARA_PLZF_FUSI	36	-0.477739	-129,304	0.213439	0.764151	Increased Expression with Increasing Exponent
STONER_ESOPHAGEAL_CARCINOGENESIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STONER_ESOPHAGEAL_CARCINOGENESIS_DN	20	-0.515779	-145,136	0.0897959	0.764167	Increased Expression with Increasing Exponent
BIOCARTA_ETS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ETS_PATHWAY	48	-0.457179	-160,819	0.0362903	0.764185	Increased Expression with Increasing Exponent
OXFORD_RALA_AND_RALB_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OXFORD_RALA_AND_RALB_TARGETS_DN	23	-0.48703	-129,222	0.193676	0.764196	Increased Expression with Increasing Exponent
GERHOLD_ADIPOGENESIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GERHOLD_ADIPOGENESIS_DN	180	-0.413792	-144,709	0.0936255	0.764208	Increased Expression with Increasing Exponent
SA_TRKA_RECEPTOR	http://www.broadinstitute.org/gsea/msigdb/cards/SA_TRKA_RECEPTOR	44	-0.411029	-13,062	0.142857	0.764222	Increased Expression with Increasing Exponent
BIOCARTA_NTH1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NTH1_PATHWAY	59	-0.375122	-12,698	0.195266	0.764231	Increased Expression with Increasing Exponent
BIOCARTA_IGF1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IGF1_PATHWAY	65	-0.495954	-16,205	0.0314342	0.764243	Increased Expression with Increasing Exponent
PID_FAK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_FAK_PATHWAY	187	-0.304195	-126,573	0.161228	0.764245	Increased Expression with Increasing Exponent
WEST_ADRENOCORTICAL_TUMOR_MARKERS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WEST_ADRENOCORTICAL_TUMOR_MARKERS_DN	56	-0.468832	-131,683	0.206107	0.764378	Increased Expression with Increasing Exponent
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_REJECTED_V	201	-0.456862	-129,137	0.254509	0.764401	Increased Expression with Increasing Exponent
ELVIDGE_HYPOXIA_BY_DMOG_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HYPOXIA_BY_DMOG_UP	364	-0.344717	-126,604	0.227099	0.764465	Increased Expression with Increasing Exponent
DORN_ADENOVIRUS_INFECTION_12HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DORN_ADENOVIRUS_INFECTION_12HR_UP	59	-0.375189	-134,619	0.119002	0.764485	

THUM_MIR21_TARGETS_HEART_DISEASE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/THUM_MIR21_TARGETS_HEART_DISEASE_UP	43	-0.60766	-14,921	0.113503	0.764969	Increased Expression with Increasing Exponent
PID_AVB3_OPN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_AVB3_OPN_PATHWAY	97	-0.441367	-15,149	0.0528455	0.764995	Increased Expression with Increasing Exponent
VISALA_AGING_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VISALA_AGING_LYMPHOCYTE_DN	42	-0.368303	-1,261	0.212121	0.765021	Increased Expression with Increasing Exponent
NAISHIRO_CTNNB1_TARGETS_WITH_LEF1_MOTIF	http://www.broadinstitute.org/gsea/msigdb/cards/NAISHIRO_CTNNB1_TARGETS_WITH_LEF1_MOTIF	22	-0.513346	-127,024	0.219316	0.765028	Increased Expression with Increasing Exponent
KLEIN_TARGETS_OF_BCR_ABL1_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/KLEIN_TARGETS_OF_BCR_ABL1_FUSION	133	-0.406771	-140,031	0.140625	0.765074	Increased Expression with Increasing Exponent
SA_PROGRAMMED_CELL_DEATH	http://www.broadinstitute.org/gsea/msigdb/cards/SA_PROGRAMMED_CELL_DEATH	36	-0.393102	-131,702	0.146825	0.765128	Increased Expression with Increasing Exponent
FAELT_B_CLL_WITH_VH_REARRANGEMENTS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FAELT_B_CLL_WITH_VH_REARRANGEMENTS_UP	132	-0.316876	-134,645	0.0725191	0.765205	Increased Expression with Increasing Exponent
KEGG_HYPERTROPHIC_CARDIOMYOPATHY_HCM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_HYPERTROPHIC_CARDIOMYOPATHY_HCM	248	-0.335159	-132,201	0.120623	0.765227	Increased Expression with Increasing Exponent
KATSANOUELAVL1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KATSANOUELAVL1_TARGETS_DN	356	-0.305598	-134,058	0.07	0.765296	Increased Expression with Increasing Exponent
ANASTASSIOU_CANCER_MESENCHYMAL_TRANSITION_SIGNATURE	http://www.broadinstitute.org/gsea/msigdb/cards/ANASTASSIOU_CANCER_MESENCHYMAL_TRANSITION_SIGNATURE	157	-0.503386	-129,307	0.256	0.765309	Increased Expression with Increasing Exponent
ZHU_SKIL_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHU_SKIL_TARGETS_UP	67	-0.498176	-150,391	0.0775348	0.76534	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_1	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_1	196	-0.36679	-151,562	0.034749	0.765354	Increased Expression with Increasing Exponent
BERENJENO_TRANSFORMED_BY_RHOA_REVERSIBLY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BERENJENO_TRANSFORMED_BY_RHOA_REVERSIBLY_DN	74	-0.421927	-134,683	0.160896	0.765361	Increased Expression with Increasing Exponent
KEGG_TGF_BETA_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TGF_BETA_SIGNALING_PATHWAY	215	-0.371765	-149,054	0.0506567	0.765365	Increased Expression with Increasing Exponent
BRUECKNER_TARGETS_OF_MIRLET7A3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BRUECKNER_TARGETS_OF_MIRLET7A3_DN	189	-0.373336	-127,044	0.191781	0.76554	Increased Expression with Increasing Exponent
MCCLUNG_CREB1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCCLUNG_CREB1_TARGETS_DN	178	-0.293015	-129,455	0.0846457	0.765608	Increased Expression with Increasing Exponent
MATTHEWS_AP1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/MATTHEWS_AP1_TARGETS	49	-0.476921	-126,116	0.295775	0.765614	Increased Expression with Increasing Exponent
RICKMAN_HEAD_AND_NECK_CANCER_F	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_HEAD_AND_NECK_CANCER_F	111	-0.314662	-116,509	0.25098	0.765706	Increased Expression with Increasing Exponent
ZHU_CMV_8_HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHU_CMV_8_HR_DN	174	-0.318189	-12,933	0.149701	0.765779	Increased Expression with Increasing Exponent
MAHAJAN_RESPONSE_TO_IL1A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MAHAJAN_RESPONSE_TO_IL1A_UP	222	-0.290328	-116,829	0.255639	0.765815	Increased Expression with Increasing Exponent
HEIDENBLAD_AMPLIFIED_IN_BONE_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/HEIDENBLAD_AMPLIFIED_IN_BONE_CANCER	20	-0.700675	-147,561	0.120594	0.765818	Increased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_1Q32_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_1Q32_AMPLICON	25	-0.421389	-116,856	0.287356	0.765877	Increased Expression with Increasing Exponent
VERHAAK_AML_WITH_NPM1_MUTATED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VERHAAK_AML_WITH_NPM1_MUTATED_UP	418	-0.384173	-131,973	0.199601	0.765927	Increased Expression with Increasing Exponent
KIM_WT1_TARGETS_8HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_WT1_TARGETS_8HR_DN	391	-0.28921	-129,405	0.115619	0.765935	Increased Expression with Increasing Exponent
SA_B_CELL_RECEPTOR_COMPLEXES	http://www.broadinstitute.org/gsea/msigdb/cards/SA_B_CELL_RECEPTOR_COMPLEXES	74	-0.360191	-116,528	0.290135	0.765946	Increased Expression with Increasing Exponent
BIOCARTA_P53_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_P53_PATHWAY	46	-0.500342	-144,353	0.118217	0.765946	Increased Expression with Increasing Exponent
BIOCARTA_BARR_MAPK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_BARR_MAPK_PATHWAY	46	-0.41881	-129,481	0.187259	0.766023	Increased Expression with Increasing Exponent
SHIPP_DLBCL_VS_FOLLICULAR_LYMPHOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SHIPP_DLBCL_VS_FOLLICULAR_LYMPHOMA_DN	104	-0.234109	-116,348	0.234834	0.766034	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_ERBB4	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_ERBB4	285	-0.240562	-116,318	0.176692	0.766044	Increased Expression with Increasing Exponent
BIOCARTA_HDAC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_HDAC_PATHWAY	85	-0.407295	-150,453	0.0533597	0.766084	Increased Expression with Increasing Exponent
HEIDENBLAD_AMPLICON_8Q24_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HEIDENBLAD_AMPLICON_8Q24_DN	121	-0.34646	-131,712	0.138462	0.766142	Increased Expression with Increasing Exponent
BIOCARTA_EPO_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EPO_PATHWAY	53	-0.358736	-116,613	0.28125	0.766151	Increased Expression with Increasing Exponent
KORKOLA_EMBRYONAL_CARCINOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_EMBRYONAL_CARCINOMA_DN	30	-0.40314	-11,658	0.275142	0.766199	Increased Expression with Increasing Exponent
SCHAEFFER_SOX9_TARGETS_IN_PROSTATE_DEVELOPMENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_SOX9_TARGETS_IN_PROSTATE_DEVELOPMENT_DN	154	-0.326033	-116,871	0.282258	0.76626	Increased Expression with Increasing Exponent
POS_RESPONSE_TO_HISTAMINE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/POS_RESPONSE_TO_HISTAMINE_UP	29	-0.505565	-145,147	0.0890269	0.766274	Increased Expression with Increasing Exponent
LEONARD_HYPOXIA	http://www.broadinstitute.org/gsea/msigdb/cards/LEONARD_HYPOXIA	120	-0.391056	-116,428	0.344294	0.766285	Increased Expression with Increasing Exponent
MANN_RESPONSE_TO_AMIFOSTINE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MANN_RESPONSE_TO_AMIFOSTINE_UP	41	-0.567526	-167,066	0.0339623	0.766308	Increased Expression with Increasing Exponent
CLIMENT_BREAST_CANCER_COPY_NUMBER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CLIMENT_BREAST_CANCER_COPY_NUMBER_DN	23	-0.381005	-116,456	0.261297	0.766368	Increased Expression with Increasing Exponent
HAHTOLA_SEZARY_SYNDROM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_SEZARY_SYNDROM_UP	239	-0.313978	-116,633	0.30099	0.766389	Increased Expression with Increasing Exponent
KEGG_ALDOSTERONE_REGULATED_SODIUM_REABSORPTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ALDOSTERONE_REGULATED_SODIUM_REABSORPTION	110	-0.303698	-116,925	0.232932	0.766405	Increased Expression with Increasing Exponent
REACTOME_IL1_RECEPTOR_SHC_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IL1_RECEPTOR_SHC_SIGNALING	61	-0.484447	-161,021	0.0359848	0.766423	Increased Expression with Increasing Exponent
SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_UP	165	-0.381806	-129,785	0.203666	0.766472	Increased Expression with Increasing Exponent
ZHANG_RESPONSE_TO_CANTHARIDIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_RESPONSE_TO_CANTHARIDIN_UP	52	-0.553523	-167,244	0.0226843	0.766485	Increased Expression with Increasing Exponent
LEE_NEURAL_CREST_STEM_CELL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_NEURAL_CREST_STEM_CELL_UP	381	-0.333795	-129,348	0.1555945	0.766502	Increased Expression with Increasing Exponent
LIEN_BREAST_CARCINOMA_METAPLASTIC	http://www.broadinstitute.org/gsea/msigdb/cards/LIEN_BREAST_CARCINOMA_METAPLASTIC	107	-0.40332	-134,696	0.15619	0.76651	Increased Expression with Increasing Exponent
PID_S1P_S1P1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_S1P_S1P1_PATHWAY	54	-0.410517	-139,936	0.0861057	0.766552	Increased Expression with Increasing Exponent
WANG_RESPONSE_TO_BEXAROTENE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_RESPONSE_TO_BEXAROTENE_UP	71	-0.328413	-131,785	0.0792453	0.766576	Increased Expression with Increasing Exponent
REACTOME_N_GLYCAN_ANTENNAE_ELONGATION_IN_THE_MEDIAL_TRANSMER	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_N_GLYCAN_ANTENNAE_ELONGATION_IN_THE_MEDIAL_TRANSMER	46	-0.448496	-144,773	0.0808678	0.766607	Increased Expression with Increasing Exponent
PID_IGF1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IGF1_PATHWAY	88	-0.377888	-13,474	0.126706	0.766609	Increased Expression with Increasing Exponent
GAVIN_FOXP3_TARGETS_CLUSTER_P3	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_FOXP3_TARGETS_CLUSTER_P3	467	-0.251644	-11,653	0.211538	0.766652	Increased Expression with Increasing Exponent
GENTLES_LEUKEMIC_STEM_CELL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GENTLES_LEUKEMIC_STEM_CELL_UP	65	-0.357637	-116,263	0.282306	0.766724	Increased Expression with Increasing Exponent
PID_NETRIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NETRIN_PATHWAY	111	-0.286736	-11,635	0.251497	0.766751	Increased Expression with Increasing Exponent
KEGG_GLIOMA	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLIOMA	215	-0.311089	-131,736	0.108571	0.766772	Increased Expression with Increasing Exponent
BIOCARTA_MAPK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MAPK_PATHWAY	248	-0.34456	-144,394	0.0574257	0.766845	Increased Expression with Increasing Exponent
TENEDINI_MEGAKARYOCYTE_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/TENEDINI_MEGAKARYOCYTE_MARKERS	170	-0.324476	-129,492	0.174168	0.766861	Increased Expression with Increasing Exponent
PID_NEPHRIN_NEPH1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NEPHRIN_NEPH1_PATHWAY	77	-0.326081	-116,876	0.248988	0.766891	Increased Expression with Increasing Exponent
SMIRNOV_RESPONSE_TO_IR_2HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMIRNOV_RESPONSE_TO_IR_2HR_DN	148	-0.347898	-13,478	0.119342	0.766902	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_IRF3_IRF7_MEDIATED_BY_TBK1_IKK_EPSILON	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_IRF3_IRF7_MEDIATED_BY_TBK1_IKK_EPSILON	23	-0.517025	-129,809	0.196755	0.76695	Increased Expression with Increasing Exponent
GROSS_HIF1A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HIF1A_TARGETS_UP	15	-0.638845	-144,452	0.114625	0.767051	Increased Expression with Increasing Exponent
BIOCARTA_SET_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SET_PATHWAY	25	-0.435894	-11,693	0.295181	0.767074	Increased Expression with Increasing Exponent
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_2_UP	153	-0.286534	-116,634	0.248598	0.767141	Increased Expression with Increasing Exponent
AMUNDSON_POOR_SURVIVAL_AFTER_GAMMA_RADIATION_2G	http://www.broadinstitute.org/gsea/msigdb/cards/AMUNDSON_POOR_SURVIVAL_AFTER_GAMMA_RADIATION_2G	490	-0.29116	-125,988	0.144289	0.76719	Increased Expression with Increasing Exponent
KASLER_HDAC7_TARGETS_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KASLER_HDAC7_TARGETS_1_DN	28	-0.404126	-125,916	0.196819	0.767214	Increased Expression with Increasing Exponent
JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_DN	106	-0.346651	-131,808	0.114504	0.767221	Increased Expression with Increasing Exponent
GILMORE_CORE_NFKB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/GILMORE_CORE_NFKB_PATHWAY	30	-0.467279	-129,519	0.180077	0.767248	Increased Expression with Increasing Exponent
SA_G1_AND_S_PHASES	http://www.broadinstitute.org/gsea/msigdb/cards/SA_G1_AND_S_PHASES	43	-0.417621	-116,952	0.319626	0.767271	Increased Expression with Increasing Exponent
JI_RESPONSE_TO_FSH_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JI_RESPONSE_TO_FSH_DN	186	-0.324081	-116,358	0.313883	0.767286	Increased Expression with Increasing Exponent
PLASARI_NFIC_TARGETS_BASAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_NFIC_TARGETS_BASAL_DN	41	-0.438949	-129,661	0.195446	0.767302	Increased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_19Q13.1_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_19Q13.1_AMPLICON	46	-0.710274	-168,679	0.0468432	0.767323	Increased Expression with Increasing Exponent
PID_NFAT_TFPATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NFAT_TFPATHWAY	117	-0.394528	-146,901	0.0545455	0.767345	Increased Expression with Increasing Exponent
BIOCARTA_EDG1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EDG1_PATHWAY	87	-0.312879	-116,208	0.269076	0.767361	Increased Expression with Increasing Exponent
DORMOY_ELAVL1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/DORMOY_ELAVL1_TARGETS	54	-0.438361	-135,088	0.172962	0.767386	Increased Expression with Increasing Exponent
ST_TYPE_I_INTERFERON_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_TYPE_I_INTERFERON_PATHWAY	24	-0.452416	-125,943	0.227364	0.76747	Increased Expression with Increasing Exponent
CAVARD_LIVER_CANCER_MALIGNANT_VS_BENIGN	http://www.broadinstitute.org/gsea/msigdb/cards/CAVARD_LIVER_CANCER_MALIGNANT_VS_BENIGN	102	-0.360377	-117,123	0.307692	0.76751	Increased Expression with Increasing Exponent
ROPERO_HDAC2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/ROPERO_HDAC2_TARGETS	333	-0.2481	-116,083	0.215569	0.767528	Increased Expression with Increasing Exponent
YAGUE_PRETUMOR_DRUG_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YAGUE_PRETUMOR_DRUG_RESISTANCE_DN	56	-0.500998	-146,822	0.112205	0.767549	Increased Expression with Increasing Exponent
REACTOME_CD28_DEPENDENT_VAV1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CD28_DEPENDENT_VAV1_PATHWAY	37	-0.448302	-131,881	0.184466	0.767567	Increased Expression with Increasing Exponent
BROWN_MYELOID_CELL_DEVELOPMENT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWN_MYELOID_CELL_DEVELOPMENT_UP	392	-0.340978	-116,648	0.3083	0.767568	Increased Expression with Increasing Exponent
PID_ERBB1_RECEPTOR_PROXIMAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ERBB1_RECEPTOR_PROXIMAL_PATHWAY	123	-0.328495	-129,549	0.130879	0.767571	Increased Expression with Increasing Exponent
GRADE_COLON_VS_RECTAL_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRADE_COLON_VS_RECTAL_CANCER_DN	144	-0.337025	-144,811	0.0242915	0.767572	Increased Expression with Increasing Exponent
ST_GRANULE_CELL_SURVIVAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_GRANULE_CELL_SURVIVAL_PATHWAY	87	-0.41339	-153,944	0.0410959	0.767573	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_240_HELA	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_240_HELA	189	-0.291392	-116,971	0.254403	0.767581	Increased Expression with Increasing Exponent
DAVIES_MULTIPLE_MYELOMA_VS_MGUS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DAVIES_MULTIPLE_MYELOMA_VS_MGUS_UP	29	-0.364839	-115,933	0.267465	0.767676	Increased Expression with Increasing Exponent
ABDULRAHMAN_KIDNEY_CANCER_VHL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ABDULRAHMAN_KIDNEY_CANCER_VHL_DN	39	-0.396177	-120,068	0.149901	0.767711	Increased Expression with Increasing Exponent
LIU_SMARCA4_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_SMARCA4_TARGETS	143	-0.352573	-123,817	0.239623	0.767712	Increased Expression with Increasing Exponent
BALDWIN_PRKCI_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BALDWIN_PRKCI_TARGETS_UP	109	-0.311255	-11,673	0.262327	0.767721	Increased Expression with Increasing Exponent
RASHI_RESPONSE_TO_IONIZING_RADIATION_1	http://www.broadinstitute.org/gsea/msigdb/cards/RASHI_RESPONSE_TO_IONIZING_RADIATION_1	113	-0.339775	-116,671	0.274549	0.767748	Increased Expression with Increasing Exponent
BIOCARTA_EPHA4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EPHA4_PATHWAY	29	-0.418617	-116,161	0.321429	0.767756	Increased Expression with Increasing Exponent
LU_TUMOR_VASCULATURE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LU_TUMOR_VASCULATURE_DN	33	-0.586118	-167,392	0.027833	0.767812	Increased Expression with Increasing Exponent
THEODOROU_MAMMARY_TUMORIGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/THEODOROU_MAMMARY_TUMORIGENESIS	68	-0.32316	-117,051	0.233129	0.767819	Increased Expression with Increasing Exponent
REACTOME_COLLAGEN_FORMATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_COLLAGEN_FORMATION	138	-0.39607	-11,587	0.337255	0.767834	Increased Expression with Increasing Exponent
REACTOME_PL3K_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PL3K_CASCADE	172	-0.3173	-129,819	0.116054	0.767856	Increased Expression with Increasing Exponent
PID_CDC42_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CDC42_PATHWAY	248	-0.267328	-120,726	0.172211	0.767885	Increased Expression with Increasing Exponent
REACTOME_ASPARAGINE_N_LINKED_GLYCOSYLATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ASPARAGINE_N_LINKED_GLYCOSYLATION	180	-0.339078	-116,096	0.30297	0.767955	Increased Expression with Increasing Exponent
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_6	http://www.broadinstitute.org/gsea/msigdb/cards/PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_6	59	-0.424272	-144,489	0.0921305	0.767985	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_8HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_8HR_UP	297	-0.287625	-124,297	0.156942	0.768018	Increased Expression with Increasing Exponent
BIOCARTA_GH_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_GH_PATHWAY	85	-0.347877	-129,615	0.114341	0.768039	Increased Expression with Increasing Exponent
BIOCARTA_IL2RB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL2RB_PATHWAY	122	-0.374572	-129,575	0.185404	0.768041	Increased Expression with Increasing Exponent

WANG_RECURRENT_LIVER_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_RECURRENT_LIVER_CANCER_UP	66	-0.369971	-129,895	0.158607	0.768042	Increased Expression with Increasing Exponent
BIOCARTA_MONOCYTE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MONOCYTE_PATHWAY	40	-0.562282	-135,022	0.189516	0.768051	Increased Expression with Increasing Exponent
REACTOME_ADVANCED_GLYCOSYLATION_ENDPRODUCT_RECEPTOR_SIGN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ADVANCED_GLYCOSYLATION_ENDPRODU	34	-0.414383	-129,978	0.163347	0.768057	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_6HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_6HR_UP	184	-0.271529	-115,946	0.233533	0.768059	Increased Expression with Increasing Exponent
FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_DONOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FLECHNER_BIOPSY_KIDNEY_TRANSPLANT_OK_VS_DOI	62	-0.341175	-123,835	0.195565	0.768095	Increased Expression with Increasing Exponent
HOOL_ST7_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOOL_ST7_TARGETS_DN	328	-0.295775	-13,479	0.0598456	0.768135	Increased Expression with Increasing Exponent
BIOCARTA_FIBRINOLYSIS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_FIBRINOLYSIS_PATHWAY	22	-0.459269	-120,746	0.277228	0.76821	Increased Expression with Increasing Exponent
PID_INTEGRIN2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INTEGRIN2_PATHWAY	54	-0.448001	-129,849	0.193548	0.76823	Increased Expression with Increasing Exponent
BUDHU_LIVER_CANCER_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BUDHU_LIVER_CANCER_METASTASIS_UP	20	-0.5263	-117,125	0.330677	0.768232	Increased Expression with Increasing Exponent
KOMMAGANI_TP63_GAMMA_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KOMMAGANI_TP63_GAMMA_TARGETS	27	-0.460044	-116,974	0.315385	0.768277	Increased Expression with Increasing Exponent
KORKOLA_TERATOMA	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_TERATOMA	96	-0.440847	-149,059	0.0773694	0.768279	Increased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_I	283	-0.320415	-135,106	0.078125	0.768287	Increased Expression with Increasing Exponent
GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_I	296	-0.358991	-131,815	0.166016	0.768356	Increased Expression with Increasing Exponent
REACTOME_SIGNAL_ATTENUATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNAL_ATTENUATION	35	-0.52641	-154,808	0.0741445	0.768363	Increased Expression with Increasing Exponent
XU_RESPONSE_TO_TRETINOIN_AND_NSC682994_DN	http://www.broadinstitute.org/gsea/msigdb/cards/XU_RESPONSE_TO_TRETINOIN_AND_NSC682994_DN	43	-0.412683	-116,676	0.283976	0.768374	Increased Expression with Increasing Exponent
KEGG_CHEMOKINE_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CHEMOKINE_SIGNALING_PATHWAY	419	-0.299831	-130,126	0.130518	0.768446	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_HEPATOBLAST	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_HEPATOBLAST	52	-0.408986	-115,875	0.355422	0.768467	Increased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G5_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G5_DN	80	-0.38853	-116,104	0.312	0.76847	Increased Expression with Increasing Exponent
NGO_MALIGNANT_GLIOMA_1P_LOH	http://www.broadinstitute.org/gsea/msigdb/cards/NGO_MALIGNANT_GLIOMA_1P_LOH	53	-0.465411	-124,246	0.266932	0.76848	Increased Expression with Increasing Exponent
LINDSTEDT_DENDRITIC_CELL_MATURATION_A	http://www.broadinstitute.org/gsea/msigdb/cards/LINDSTEDT_DENDRITIC_CELL_MATURATION_A	155	-0.414654	-124,422	0.27	0.768501	Increased Expression with Increasing Exponent
KIM_GLI52_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_GLI52_TARGETS_UP	195	-0.422716	-117,054	0.349301	0.768501	Increased Expression with Increasing Exponent
INAMURA_LUNG_CANCER_SCC_SUBTYPES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/INAMURA_LUNG_CANCER_SCC_SUBTYPES_DN	17	-0.575788	-145,155	0.0921053	0.768543	Increased Expression with Increasing Exponent
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_3	http://www.broadinstitute.org/gsea/msigdb/cards/PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_3	48	-0.414277	-130,081	0.180233	0.768559	Increased Expression with Increasing Exponent
TOMLINS_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TOMLINS_METASTASIS_UP	33	-0.35219	-116,992	0.259557	0.76858	Increased Expression with Increasing Exponent
REACTOME_G_BETA_GAMMA_SIGNALLING_THROUGH_PI3KGAMMA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G_BETA_GAMMA_SIGNALLING_THROUGH	66	-0.374881	-139,826	0.0738523	0.768702	Increased Expression with Increasing Exponent
CROONQUIST_IL6_DEPRIVATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CROONQUIST_IL6_DEPRIVATION_UP	47	-0.38322	-120,925	0.238835	0.768731	Increased Expression with Increasing Exponent
MEDINA_SMARCA4_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/MEDINA_SMARCA4_TARGETS	129	-0.288438	-117,136	0.24898	0.768746	Increased Expression with Increasing Exponent
RODRIGUES_THYROID_CARCINOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RODRIGUES_THYROID_CARCINOMA_DN	304	-0.284803	-115,948	0.273834	0.76876	Increased Expression with Increasing Exponent
TAVOR_CEBPA_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TAVOR_CEBPA_TARGETS_UP	106	-0.42327	-129,994	0.218504	0.768798	Increased Expression with Increasing Exponent
REACTOME_GAB1_SIGNALOSOME	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GAB1_SIGNALOSOME	130	-0.423938	-151,564	0.0531496	0.768843	Increased Expression with Increasing Exponent
HAEGERSTRAND_RESPONSE_TO_IMATINIB	http://www.broadinstitute.org/gsea/msigdb/cards/HAEGERSTRAND_RESPONSE_TO_IMATINIB	24	-0.466036	-120,341	0.29588	0.768844	Increased Expression with Increasing Exponent
FRIDMAN_SENESCENCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FRIDMAN_SENESCENCE_UP	206	-0.328048	-115,973	0.290514	0.76886	Increased Expression with Increasing Exponent
GALLUZZI_PREVENT_MITOCHONDIAL_PERMEABILIZATION	http://www.broadinstitute.org/gsea/msigdb/cards/GALLUZZI_PREVENT_MITOCHONDIAL_PERMEABILIZAT	60	-0.376207	-120,405	0.236641	0.768861	Increased Expression with Increasing Exponent
KANG_AR_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_AR_TARGETS_UP	59	-0.407633	-124,196	0.209016	0.768887	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_UP	210	-0.33603	-125,784	0.195777	0.768923	Increased Expression with Increasing Exponent
DEMAGALHAES_AGING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DEMAGALHAES_AGING_UP	124	-0.378876	-120,752	0.301426	0.768929	Increased Expression with Increasing Exponent
AMUNDSON_POOR_SURVIVAL_AFTER_GAMMA_RADIATION_8G	http://www.broadinstitute.org/gsea/msigdb/cards/AMUNDSON_POOR_SURVIVAL_AFTER_GAMMA_RADI	284	-0.298507	-129,626	0.151575	0.768962	Increased Expression with Increasing Exponent
BIOCARTA_EIF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EIF_PATHWAY	53	-0.425913	-1,243	0.228106	0.768962	Increased Expression with Increasing Exponent
GAJATE_RESPONSE_TO TRABECTEDIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAJATE_RESPONSE_TO TRABECTEDIN_UP	156	-0.361896	-124,335	0.269231	0.768965	Increased Expression with Increasing Exponent
PID_CERAMIDE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CERAMIDE_PATHWAY	118	-0.285156	-120,369	0.173737	0.768965	Increased Expression with Increasing Exponent
MCBRYAN_PUBERTAL_TGFB1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCBRYAN_PUBERTAL_TGFB1_TARGETS_DN	152	-0.297658	-12,384	0.176938	0.768965	Increased Expression with Increasing Exponent
FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_UP	226	-0.281447	-124,154	0.15415	0.769003	Increased Expression with Increasing Exponent
MACLACHLAN_BRCA1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MACLACHLAN_BRCA1_TARGETS_DN	50	-0.531709	-144,834	0.124748	0.769023	Increased Expression with Increasing Exponent
ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_UP	277	-0.399216	-120,947	0.318359	0.769034	Increased Expression with Increasing Exponent
UEDA_CENTRAL_CLOCK	http://www.broadinstitute.org/gsea/msigdb/cards/UEDA_CENTRAL_CLOCK	217	-0.301088	-124,369	0.196078	0.769042	Increased Expression with Increasing Exponent
SHARMA_ASTROCYTOMA_WITH_NF1_SYNDROM	http://www.broadinstitute.org/gsea/msigdb/cards/SHARMA_ASTROCYTOMA_WITH_NF1_SYNDROM	15	-0.643852	-154,888	0.054	0.769044	Increased Expression with Increasing Exponent
NAGASHIMA_NRG1_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NAGASHIMA_NRG1_SIGNALING_DN	192	-0.292307	-120,651	0.196881	0.76907	Increased Expression with Increasing Exponent
IIZUKA_LIVER_CANCER_PROGRESSION_L1_G1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IIZUKA_LIVER_CANCER_PROGRESSION_L1_G1_DN	25	-0.389494	-117,184	0.275794	0.769094	Increased Expression with Increasing Exponent
SHARMA_PILOCYTIC_ASTROCYTOMA_LOCATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SHARMA_PILOCYTIC_ASTROCYTOMA_LOCATION_UP	62	-0.349511	-1,185	0.263158	0.769129	Increased Expression with Increasing Exponent
GHANDHI_DIRECT_IRRADIATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GHANDHI_DIRECT_IRRADIATION_UP	221	-0.320054	-117,151	0.268939	0.769129	Increased Expression with Increasing Exponent
KAMIKUBO_MYELOID_CEBPA_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/KAMIKUBO_MYELOID_CEBPA_NETWORK	50	-0.446152	-125,744	0.243083	0.769135	Increased Expression with Increasing Exponent
TOMIDA_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TOMIDA_METASTASIS_UP	58	-0.382019	-125,815	0.203156	0.769154	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_PEAK_AT_OHR	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_PEAK_AT_OHR	168	-0.377798	-145,204	0.0530612	0.769195	Increased Expression with Increasing Exponent
HIRSCH_CELLULAR_TRANSFORMATION_SIGNATURE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HIRSCH_CELLULAR_TRANSFORMATION_SIGNATURE_D	274	-0.31512	-129,658	0.136986	0.769202	Increased Expression with Increasing Exponent
BIOCARTA_BARRESTIN_SRC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_BARRESTIN_SRC_PATHWAY	55	-0.376742	-123,866	0.201195	0.769232	Increased Expression with Increasing Exponent
KEGG_PHENYLALANINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PHENYLALANINE_METABOLISM	35	-0.375759	-115,988	0.277778	0.769241	Increased Expression with Increasing Exponent
TSAI_DNAJB4_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TSAI_DNAJB4_TARGETS_DN	41	-0.49908	-120,518	0.301455	0.769252	Increased Expression with Increasing Exponent
PID_VEGF_VEGFR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_VEGF_VEGFR_PATHWAY	34	-0.468501	-120,804	0.275335	0.769281	Increased Expression with Increasing Exponent
KEGG_VIBRIO_CHOLERAEE_INFECTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_VIBRIO_CHOLERAEE_INFECTION	151	-0.310106	-117,203	0.266019	0.769385	Increased Expression with Increasing Exponent
PID_IL27_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL27_PATHWAY	57	-0.427642	-124,461	0.247082	0.769387	Increased Expression with Increasing Exponent
REACTOME_P2Y_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_P2Y_RECEPTORS	16	-0.448379	-115,779	0.33004	0.769393	Increased Expression with Increasing Exponent
KEGG_GAP_JUNCTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GAP_JUNCTION	252	-0.325375	-134,845	0.0910931	0.769421	Increased Expression with Increasing Exponent
PID_P53_REGULATION_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P53_REGULATION_PATHWAY	193	-0.339299	-124,425	0.208092	0.76943	Increased Expression with Increasing Exponent
NAKAJIMA_EOSINOPHIL	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAJIMA_EOSINOPHIL	52	-0.374536	-125,234	0.215139	0.769441	Increased Expression with Increasing Exponent
REACTOME_P75_NTR_RECEPTOR_MEDIATED_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_P75_NTR_RECEPTOR_MEDIATED_SIGNALI	232	-0.255089	-120,542	0.116279	0.769447	Increased Expression with Increasing Exponent
BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_UP	187	-0.315433	-118,022	0.247505	0.769457	Increased Expression with Increasing Exponent
KAN_RESPONSE_TO_ARSENIC_TRIOXIDE	http://www.broadinstitute.org/gsea/msigdb/cards/KAN_RESPONSE_TO_ARSENIC_TRIOXIDE	310	-0.293246	-117,655	0.257367	0.769458	Increased Expression with Increasing Exponent
REACTOME_AMYLOIDS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_AMYLOIDS	114	-0.332772	-118,052	0.2607	0.769483	Increased Expression with Increasing Exponent
PID_PI3KCI_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_PI3KCI_PATHWAY	141	-0.375815	-146,917	0.0745098	0.769496	Increased Expression with Increasing Exponent
PID_TCR_JNK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TCR_JNK_PATHWAY	43	-0.389289	-120,964	0.224033	0.769499	Increased Expression with Increasing Exponent
PID_CD40_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CD40_PATHWAY	68	-0.345356	-120,865	0.242884	0.76952	Increased Expression with Increasing Exponent
TING_SILENCED_BY_DICER	http://www.broadinstitute.org/gsea/msigdb/cards/TING_SILENCED_BY_DICER	67	-0.371809	-134,794	0.100394	0.769542	Increased Expression with Increasing Exponent
DITTMER_PTHLH_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DITTMER_PTHLH_TARGETS_DN	243	-0.299029	-120,761	0.206693	0.769583	Increased Expression with Increasing Exponent
WNT_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/WNT_SIGNALING	248	-0.288425	-125,015	0.164356	0.769586	Increased Expression with Increasing Exponent
PID_WNT_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_WNT_SIGNALING_PATHWAY	50	-0.349602	-118,448	0.230924	0.769629	Increased Expression with Increasing Exponent
DELASERNA_MYOD_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DELASERNA_MYOD_TARGETS_UP	230	-0.26447	-120,408	0.140873	0.769663	Increased Expression with Increasing Exponent
REACTOME_REVERSIBLE_HYDRATION_OF CARBON_DIOXIDE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REVERSIBLE_HYDRATION_OF CARBON_D	24	-0.45109	-118,509	0.274854	0.769705	Increased Expression with Increasing Exponent
PID_TCR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TCR_PATHWAY	183	-0.352469	-130,126	0.193798	0.769707	Increased Expression with Increasing Exponent
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_CDC25_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRA	140	-0.385547	-123,673	0.259336	0.769773	Increased Expression with Increasing Exponent
NABA_PROTEOGLYCANS	http://www.broadinstitute.org/gsea/msigdb/cards/NABA_PROTEOGLYCANS	72	-0.419453	-118,071	0.312377	0.769791	Increased Expression with Increasing Exponent
VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_UP	406	-0.338852	-125,465	0.21611	0.769815	Increased Expression with Increasing Exponent
BIOCARTA_41BB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_41BB_PATHWAY	40	-0.41837	-135,108	0.155512	0.769825	Increased Expression with Increasing Exponent
LU_IL4_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/LU_IL4_SIGNALING	257	-0.30172	-118,534	0.24031	0.76985	Increased Expression with Increasing Exponent
LAIHO_COLORECTAL_CANCER_SERRATED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LAIHO_COLORECTAL_CANCER_SERRATED_UP	341	-0.325667	-123,706	0.216327	0.769854	Increased Expression with Increasing Exponent
RUIZ_TNC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RUIZ_TNC_TARGETS_UP	418	-0.326577	-135,859	0.103053	0.769891	Increased Expression with Increasing Exponent
PID_INTEGRIN_A9B1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INTEGRIN_A9B1_PATHWAY	80	-0.380487	-118,219	0.288538	0.769897	Increased Expression with Increasing Exponent
ZHAN_LATE_DIFFERENTIATION_GENES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_LATE_DIFFERENTIATION_GENES_DN	29	-0.387175	-119,915	0.252918	0.769933	Increased Expression with Increasing Exponent
LI_LUNG_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/LI_LUNG_CANCER	99	-0.344651	-120,461	0.220503	0.769938	Increased Expression with Increasing Exponent
BIOCARTA_PTDINS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PTDINS_PATHWAY	66	-0.346531	-120,814	0.226804	0.76995	Increased Expression with Increasing Exponent
KYNG_RESPONSE_TO_H2O2_VIA_ERCC6	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_RESPONSE_TO_H2O2_VIA_ERCC6	48	-0.379412	-125,177	0.226337	0.769952	Increased Expression with Increasing Exponent
HOELZEL_NF1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOELZEL_NF1_TARGETS_DN	326	-0.298256	-120,268	0.206186	0.769995	Increased Expression with Increasing Exponent
BIOCARTA_CD40_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CD40_PATHWAY	30	-0.435424	-125,423	0.214286	0.770025	Increased Expression with Increasing Exponent
PALOMERO_GSI_SENSITIVITY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PALOMERO_GSI_SENSITIVITY_UP	39	-0.425157	-122,232	0.242248	0.770028	Increased Expression with Increasing Exponent
DORSEY_GAB2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/DORSEY_GAB2_TARGETS	91	-0.383373	-117,208	0.324701	0.770031	Increased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G56_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G56_DN	43	-0.411569	-125,675	0.225564	0.770042	Increased Expression with Increasing Exponent
MANTOVANI_VIRAL_GPCR_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MANTOVANI_VIRAL_GPCR_SIGNALING_UP	190	-0.30093	-119,975	0.208081	0.77005	Increased Expression with Increasing Exponent
YANG_BREAST_CANCER_ESR1_BULK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_BREAST_CANCER_ESR1_BULK_UP	69	-0.330116	-11,809	0.231388	0.770065	Increased Expression with Increasing Exponent
BIOCARTA_CDK5_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CDK5_PATHWAY	23	-0.410385	-125,566	0.195777	0.770068	Increased Expression with Increasing Exponent

ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ACEVEDO_LIVER_CANCER_WITH_H3K27ME3_DN	397	-0.253634	-125,388	0.0695297	0.770071	Increased Expression with Increasing Exponent
BIOCARTA_RHO_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RHO_PATHWAY	104	-0.326972	-125,602	0.162162	0.770076	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_8	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLL	133	-0.333408	-118,587	0.252964	0.770077	Increased Expression with Increasing Exponent
PID_P38_ALPHA_BETA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P38_ALPHA_BETA_PATHWAY	88	-0.309797	-118,557	0.228797	0.770086	Increased Expression with Increasing Exponent
HOFFMAN_CLOCK_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMAN_CLOCK_TARGETS_DN	15	-0.459808	-123,871	0.223092	0.770088	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_CHAPERONE_GENES_BY_ATF6_ALPHA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_CHAPERONE_GENES_BY_27	27	-0.42652	-117,447	0.298828	0.770105	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_20_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_20_MCF10A	47	-0.440881	-12,335	0.257928	0.770136	Increased Expression with Increasing Exponent
REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTEGRIN_CELL_SURFACE_INTERACTIONS	225	-0.335667	-11,769	0.280464	0.770141	Increased Expression with Increasing Exponent
REACTOME_G_PROTEIN_BETA_GAMMA_SIGNALLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G_PROTEIN_BETA_GAMMA_SIGNALLING	72	-0.317065	-120,579	0.188119	0.770148	Increased Expression with Increasing Exponent
DAZARD_RESPONSE_TO_UV_SCC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_RESPONSE_TO_UV_SCC_DN	341	-0.318047	-120,422	0.235756	0.770153	Increased Expression with Increasing Exponent
PID_IL3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL3_PATHWAY	60	-0.339516	-117,906	0.233333	0.770169	Increased Expression with Increasing Exponent
SMIRNOV_CIRCULATING_ENDOTHELIOCYTES_IN_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMIRNOV_CIRCULATING_ENDOTHELIOCYTES_IN_CANCER_UP	390	-0.327042	-117,658	0.302326	0.770173	Increased Expression with Increasing Exponent
VERRECCHIA_RESPONSE_TO_TGFB1_C2	http://www.broadinstitute.org/gsea/msigdb/cards/VERRECCHIA_RESPONSE_TO_TGFB1_C2	90	-0.376906	-121,006	0.275591	0.770181	Increased Expression with Increasing Exponent
ROZANOV_MMP14_TARGETS_SUBSET	http://www.broadinstitute.org/gsea/msigdb/cards/ROZANOV_MMP14_TARGETS_SUBSET	95	-0.435451	-123,902	0.290944	0.770192	Increased Expression with Increasing Exponent
LIU_IL13_PRIMING_MODEL	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_IL13_PRIMING_MODEL	43	-0.521493	-137,183	0.150495	0.770194	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_Af4_FUSION_TARGETS_F_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_Af4_FUSION_TARGETS_F_UP	462	-0.277501	-11,557	0.289421	0.770201	Increased Expression with Increasing Exponent
BAKER_HEMATOPOIESIS_STAT3_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/BAKER_HEMATOPOIESIS_STAT3_TARGETS	41	-0.407507	-118,178	0.307377	0.770201	Increased Expression with Increasing Exponent
HOFMANN_MYELODYSPLASTIC_SYNDROM_LOW_RISK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFMANN_MYELODYSPLASTIC_SYNDROM_LOW_RISK	60	-0.342848	-118,611	0.245318	0.770257	Increased Expression with Increasing Exponent
ZHENG_FOXP3_TARGETS_IN_T_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_FOXP3_TARGETS_IN_T_LYMPHOCYTE_DN	124	-0.329567	-120,969	0.235887	0.770262	Increased Expression with Increasing Exponent
BARRIER_CANCER_RELAPSE_NORMAL_SAMPLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BARRIER_CANCER_RELAPSE_NORMAL_SAMPLE_DN	96	-0.33138	-120,545	0.239044	0.770275	Increased Expression with Increasing Exponent
KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_LEUKOCYTE_TRANSENDOTHELIAL_MIGRATION	308	-0.314251	-125,631	0.189349	0.770283	Increased Expression with Increasing Exponent
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_ENVIRONMENTAL_STRESS_RESPONSE_DN	53	-0.355329	-12,524	0.193416	0.770301	Increased Expression with Increasing Exponent
GENTILE_UV_RESPONSE_CLUSTER_D8	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_RESPONSE_CLUSTER_D8	132	-0.33766	-125,347	0.194059	0.770335	Increased Expression with Increasing Exponent
FUJII_YBX1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FUJII_YBX1_TARGETS_UP	96	-0.382026	-124,462	0.228571	0.770361	Increased Expression with Increasing Exponent
CHEN_PDGF_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_PDGF_TARGETS	48	-0.41178	-123,376	0.265107	0.77039	Increased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G1_UP	316	-0.307522	-123,239	0.202729	0.770405	Increased Expression with Increasing Exponent
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_DN	89	-0.386501	-123,311	0.25	0.770405	Increased Expression with Increasing Exponent
ROSS_AML_WITH_PML_RARA_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/ROSS_AML_WITH_PML_RARA_FUSION	198	-0.30546	-123,099	0.210634	0.770408	Increased Expression with Increasing Exponent
MCCABE_HOXC6_TARGETS_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCCABE_HOXC6_TARGETS_CANCER_UP	117	-0.308605	-117,404	0.250996	0.770414	Increased Expression with Increasing Exponent
BIOCARTA_MEF2D_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MEF2D_PATHWAY	54	-0.377654	-12,225	0.221766	0.770418	Increased Expression with Increasing Exponent
KORKOLA_SEMINOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_SEMINOMA_UP	99	-0.348316	-11,823	0.291016	0.770427	Increased Expression with Increasing Exponent
APRELIKOVA_BRCA1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/APRELIKOVA_BRCA1_TARGETS	141	-0.351794	-137,229	0.101167	0.770433	Increased Expression with Increasing Exponent
LOPEZ_MESOTHELIOMA_SURVIVAL_OVERALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_MESOTHELIOMA_SURVIVAL_OVERALL_DN	43	-0.402214	-117,252	0.300935	0.770457	Increased Expression with Increasing Exponent
DUAN_PRDM5_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/DUAN_PRDM5_TARGETS	203	-0.283241	-124,565	0.136095	0.770468	Increased Expression with Increasing Exponent
PID_TNF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TNF_PATHWAY	119	-0.400338	-153,534	0.0313726	0.770488	Increased Expression with Increasing Exponent
HINATA_NFKB_TARGETS_FIBROBLAST_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HINATA_NFKB_TARGETS_FIBROBLAST_UP	199	-0.317963	-115,588	0.281496	0.770492	Increased Expression with Increasing Exponent
REACTOME_PROTEIN_FOLDING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROTEIN_FOLDING	123	-0.360916	-12,527	0.226908	0.770494	Increased Expression with Increasing Exponent
PID_THROMBIN_PAR4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_THROMBIN_PAR4_PATHWAY	41	-0.385911	-123,062	0.216769	0.770519	Increased Expression with Increasing Exponent
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_UV_IN_WS	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_34	34	-0.379257	-120,216	0.254753	0.770528	Increased Expression with Increasing Exponent
GUTIERREZ_CHRONIC_LYMPHOCYTIC_LEUKEMIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GUTIERREZ_CHRONIC_LYMPHOCYTIC_LEUKEMIA_UP	30	-0.412639	-115,616	0.314286	0.770542	Increased Expression with Increasing Exponent
REACTOME_PACKAGING_OF_TELOMERE_ENDS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PACKAGING_OF_TELOMERE_ENDS	62	-0.440691	-125,017	0.272727	0.770554	Increased Expression with Increasing Exponent
AMUNDSON_DNA_DAMAGE_RESPONSE_TP53	http://www.broadinstitute.org/gsea/msigdb/cards/AMUNDSON_DNA_DAMAGE_RESPONSE_TP53	33	-0.472211	-119,988	0.300971	0.770558	Increased Expression with Increasing Exponent
PID_NCADHERIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NCADHERIN_PATHWAY	110	-0.305714	-123,996	0.158	0.770567	Increased Expression with Increasing Exponent
REACTOME_N_GLYCAN_ANTENNAE_ELONGATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_N_GLYCAN_ANTENNAE_ELONGATION	35	-0.405356	-124,597	0.2	0.770592	Increased Expression with Increasing Exponent
MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMATASE_INHIBITORS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMATASE_DN	52	-0.370196	-115,493	0.311195	0.77061	Increased Expression with Increasing Exponent
REACTOME_P130CAS_LINKAGE_TO_MAPK_SIGNALING_FOR_INTEGRINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_P130CAS_LINKAGE_TO_MAPK_SIGNALING	53	-0.34711	-119,857	0.220833	0.77063	Increased Expression with Increasing Exponent
GRAHAM_CML_DIVIDING_VS_NORMAL_DIVIDING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_DIVIDING_VS_NORMAL_DIVIDING_UP	29	-0.528986	-135,887	0.185771	0.770633	Increased Expression with Increasing Exponent
FRASOR_RESPONSE_TO ESTRADIOL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FRASOR_RESPONSE_TO ESTRADIOL_DN	184	-0.317229	-118,628	0.259557	0.770643	Increased Expression with Increasing Exponent
LY_AGING_PREMATURE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LY_AGING_PREMATURE_DN	57	-0.424351	-115,522	0.336798	0.770644	Increased Expression with Increasing Exponent
SASSON_FSH_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/SASSON_FSH_RESPONSE	23	-0.505689	-124,488	0.251004	0.770644	Increased Expression with Increasing Exponent
MAHADEVAN_GIST_MORPHOLOGICAL_SWITCH	http://www.broadinstitute.org/gsea/msigdb/cards/MAHADEVAN_GIST_MORPHOLOGICAL_SWITCH	36	-0.417659	-120,113	0.288703	0.770666	Increased Expression with Increasing Exponent
ROSS_LEUKEMIA_WITH_MLL_FUSIONS	http://www.broadinstitute.org/gsea/msigdb/cards/ROSS_LEUKEMIA_WITH_MLL_FUSIONS	168	-0.299979	-117,858	0.25567	0.770668	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_1	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_1	76	-0.450349	-134,853	0.212237	0.770672	Increased Expression with Increasing Exponent
HUMMERICH_SKIN_CANCER_PROGRESSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUMMERICH_SKIN_CANCER_PROGRESSION_UP	233	-0.358895	-117,455	0.316	0.770677	Increased Expression with Increasing Exponent
TAVAZOIE_METASTASIS	http://www.broadinstitute.org/gsea/msigdb/cards/TAVAZOIE_METASTASIS	286	-0.258548	-118,098	0.180952	0.770691	Increased Expression with Increasing Exponent
KASLER_HDAC7_TARGETS_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KASLER_HDAC7_TARGETS_1_UP	469	-0.261963	-118,128	0.192982	0.770696	Increased Expression with Increasing Exponent
GROSS_HYPOXIA_VIA_HIF1A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HYPOXIA_VIA_HIF1A_DN	252	-0.298671	-117,762	0.25	0.770703	Increased Expression with Increasing Exponent
SNUIDERS_AMPLIFIED_IN_HEAD_AND_NECK_TUMORS	http://www.broadinstitute.org/gsea/msigdb/cards/SNUIDERS_AMPLIFIED_IN_HEAD_AND_NECK_TUMORS	144	-0.34351	-125,471	0.181996	0.770712	Increased Expression with Increasing Exponent
GHANDHI_BYSTANDER_IRRADIATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GHANDHI_BYSTANDER_IRRADIATION_UP	180	-0.457336	-153,964	0.0842912	0.770718	Increased Expression with Increasing Exponent
DAZARD_UV_RESPONSE_CLUSTER_G24	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_UV_RESPONSE_CLUSTER_G24	57	-0.355769	-115,697	0.290385	0.770746	Increased Expression with Increasing Exponent
KEGG_PRION_DISEASES	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PRION_DISEASES	73	-0.320391	-119,917	0.215292	0.770754	Increased Expression with Increasing Exponent
HAHTOLA_MYCOSIS_FUNGOIDES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_MYCOSIS_FUNGOIDES_DN	55	-0.367597	-11,721	0.288201	0.770784	Increased Expression with Increasing Exponent
ZHONG_SECRETOME_OF_LUNG_CANCER_AND_ENDOTHELIUM	http://www.broadinstitute.org/gsea/msigdb/cards/ZHONG_SECRETOME_OF_LUNG_CANCER_AND_ENDO	180	-0.347206	-11,727	0.307992	0.770785	Increased Expression with Increasing Exponent
PETRETTO_CARDIAC_HYPERTROPHY	http://www.broadinstitute.org/gsea/msigdb/cards/PETRETTO_CARDIAC_HYPERTROPHY	127	-0.31322	-130,132	0.200409	0.770793	Increased Expression with Increasing Exponent
GAZDA_DIAMOND_BLACKFAN_ANEMIA_PROGENITOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAZDA_DIAMOND_BLACKFAN_ANEMIA_PROGENITOR	119	-0.32009	-118,247	0.233266	0.770805	Increased Expression with Increasing Exponent
LAU_APOPTOSIS_CDKN2A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LAU_APOPTOSIS_CDKN2A_DN	15	-0.653522	-153,433	0.0776892	0.770806	Increased Expression with Increasing Exponent
CORRE_MULTIPLE_MYELOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CORRE_MULTIPLE_MYELOMA_UP	168	-0.302059	-117,912	0.225806	0.770806	Increased Expression with Increasing Exponent
MARKS_HDAC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARKS_HDAC_TARGETS_UP	63	-0.351231	-123,153	0.211765	0.770835	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_60_HELA	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_60_HELA	145	-0.41622	-145,226	0.107345	0.770884	Increased Expression with Increasing Exponent
REACTOME_NRAGE_SIGNALS_DEATH_THROUGH_JNK	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NRAGE_SIGNALS_DEATH_THROUGH_JNK	148	-0.29107	-121,014	0.201139	0.770887	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_9	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_9	224	-0.340357	-134,892	0.105578	0.770891	Increased Expression with Increasing Exponent
GAVIN_FOXP3_TARGETS_CLUSTER_P7	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_FOXP3_TARGETS_CLUSTER_P7	229	-0.275955	-1,249	0.129412	0.770915	Increased Expression with Increasing Exponent
REACTOME_NEGATIVE_REGULATION_OF_THE_PI3K_AKT_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NEGATIVE_REGULATION_OF_THE_PI3K_A	29	-0.443092	-11,769	0.31758	0.770933	Increased Expression with Increasing Exponent
LUI_THYROID_CANCER_CLUSTER_2	http://www.broadinstitute.org/gsea/msigdb/cards/LUI_THYROID_CANCER_CLUSTER_2	116	-0.304617	-124,016	0.15493	0.770965	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_14HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_14HR_UP	390	-0.30058	-123,115	0.203593	0.770967	Increased Expression with Increasing Exponent
REACTOME_INTEGRIN_ALPHAIIIB_BETA3_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTEGRIN_ALPHAIIIB_BETA3_SIGNALING	87	-0.32274	-117,569	0.25731	0.770968	Increased Expression with Increasing Exponent
TURIANSKI_MAPK8_AND_MAPK9_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/TURIANSKI_MAPK8_AND_MAPK9_TARGETS	26	-0.464311	-125,289	0.257937	0.770969	Increased Expression with Increasing Exponent
TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_NORMAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUC	214	-0.382483	-123,909	0.269303	0.771008	Increased Expression with Increasing Exponent
HOSHIDA_LIVER_CANCER_SURVIVAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOSHIDA_LIVER_CANCER_SURVIVAL_UP	203	-0.304377	-124,615	0.186	0.771046	Increased Expression with Increasing Exponent
GENTILE_UV_RESPONSE_CLUSTER_D6	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_RESPONSE_CLUSTER_D6	103	-0.356773	-123,594	0.201597	0.771063	Increased Expression with Increasing Exponent
MISHRA_CARCINOMA_ASSOCIATED_FIBROBLAST_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MISHRA_CARCINOMA_ASSOCIATED_FIBROBLAST_DN	58	-0.410403	-121,922	0.247082	0.771073	Increased Expression with Increasing Exponent
MURAKAMI_UV_RESPONSE_1HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MURAKAMI_UV_RESPONSE_1HR_DN	24	-0.379513	-12,013	0.226306	0.771078	Increased Expression with Increasing Exponent
BIOCARTA_IL3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL3_PATHWAY	29	-0.395867	-117,471	0.288462	0.771087	Increased Expression with Increasing Exponent
LIANG_SILENCED_BY_METHYLATION_2	http://www.broadinstitute.org/gsea/msigdb/cards/LIANG_SILENCED_BY_METHYLATION_2	117	-0.479341	-138,055	0.173489	0.771145	Increased Expression with Increasing Exponent
PID_NFKAPPAB_ATYPICAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NFKAPPAB_ATYPICAL_PATHWAY	49	-0.355452	-119,806	0.245174	0.771154	Increased Expression with Increasing Exponent
YANG_BREAST_CANCER_ESR1_BULK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_BREAST_CANCER_ESR1_BULK_DN	59	-0.31597	-117,497	0.253493	0.771202	Increased Expression with Increasing Exponent
REACTOME_DOWNREGULATION_OF_TGF_BETA_RECEPTOR_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DOWNREGULATION_OF_TGF_BETA_RECE	54	-0.342753	-121,035	0.221797	0.771204	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_EGFR_IN_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_EGFR_IN_CANCER	333	-0.282126	-123,245	0.168337	0.771219	Increased Expression with Increasing Exponent
REACTOME_RECYCLING_PATHWAY_OF_L1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RECYCLING_PATHWAY_OF_L1	77	-0.329027	-123,381	0.193059	0.77124	Increased Expression with Increasing Exponent
PID_RHOA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RHOA_PATHWAY	130	-0.407729	-162,053	0.00809717	0.771259	Increased Expression with Increasing Exponent
BIOCARTA_AKT_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AKT_PATHWAY	68	-0.309203	-118,636	0.247059	0.771265	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_RHO_GTPASES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_RHO_GTPASES	327	-0.283803	-124,502	0.148221	0.771268	Increased Expression with Increasing Exponent
JIANG_AGING_CEREBRAL_CORTEX_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JIANG_AGING_CEREBRAL_CORTEX_UP	125	-0.319962	-115,617	0.311111	0.77127	Increased Expression with Increasing Exponent
FONTAINE_THYROID_TUMOR_UNCERTAIN_MALIGNANCY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FONTAINE_THYROID_TUMOR_UNCERTAIN_MALIGNAN	105	-0.298791	-117,926	0.242126	0.771279	Increased Expression with Increasing Exponent
WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_H2O2	http://www.broadinstitute.org/gsea/msigdb/cards/WEIGEL_OXIDATIVE_STRESS_BY_HNE_AND_H2O2	103	-0.337532	-122,251	0.203629	0.771315	Increased Expression with Increasing Exponent
REACTOME_DOWNREGULATION_OF_ERBB2_ERBB3_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DOWNREGULATION_OF_ERBB2_ERBB3_S	40	-0.387913	-119,992	0.27112	0.771328	Increased Expression with Increasing Exponent
HOEGERKORP_CD44_TARGETS_DIRECT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOEGERKORP_CD44_TARGETS_DIRECT_DN	39	-0.341567	-117,769	0.248497	0.771335	Increased Expression with Increasing Exponent
LEE_CALORIE_RESTRICTION_MUSCLE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_CALORIE_RESTRICTION_MUSCLE_UP	94	-0.318924	-118,661	0.251969	0.771351	Increased Expression with Increasing Exponent

BILD_SRC_ONCOGENIC_SIGNATURE	http://www.broadinstitute.org/gsea/msigdb/cards/BILD_SRC_ONCOGENIC_SIGNATURE	204	-0.309681	-125,487	0.179337	0.771357	Increased Expression with Increasing Exponent
PID_ERBB4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ERBB4_PATHWAY	122	-0.291227	-118,257	0.217822	0.771374	Increased Expression with Increasing Exponent
REACTOME_SPRY_REGULATION_OF_FGF_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SPRY_REGULATION_OF_FGF_SIGNALING	41	-0.401766	-135,109	0.125714	0.771383	Increased Expression with Increasing Exponent
GUO_HEX_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GUO_HEX_TARGETS_DN	173	-0.410834	-152,242	0.0558882	0.771392	Increased Expression with Increasing Exponent
COATES_MACROPHAGE_M1_VS_M2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/COATES_MACROPHAGE_M1_VS_M2_UP	237	-0.289186	-123,408	0.176125	0.771405	Increased Expression with Increasing Exponent
REACTOME_AMINO_ACID_TRANSPORT_ACROSS_THE_PLASMA_MEMBRAN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_AMINO_ACID_TRANSPORT_ACROSS_THE	69	-0.329731	-117,337	0.226721	0.771405	Increased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_8HR_3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_8HR_3_DN	28	-0.428558	-123,167	0.213018	0.771422	Increased Expression with Increasing Exponent
ZHENG_IL22_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_IL22_SIGNALING_UP	101	-0.362459	-122,853	0.226121	0.771424	Increased Expression with Increasing Exponent
SIMBULAN_UV_RESPONSE_IMMORTALIZED_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SIMBULAN_UV_RESPONSE_IMMORTALIZED_DN	123	-0.343337	-123,929	0.198807	0.771425	Increased Expression with Increasing Exponent
NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_DN	323	-0.266268	-117,702	0.208015	0.771439	Increased Expression with Increasing Exponent
MARCINIAK_ER_STRESS_RESPONSE_VIA_CHOP	http://www.broadinstitute.org/gsea/msigdb/cards/MARCINIAK_ER_STRESS_RESPONSE_VIA_CHOP	50	-0.338729	-118,751	0.258755	0.771449	Increased Expression with Increasing Exponent
MORI_MATURE_B_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_MATURE_B_LYMPHOCYTE_UP	240	-0.317984	-11,835	0.28169	0.771481	Increased Expression with Increasing Exponent
BIOCARTA_LYM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_LYM_PATHWAY	28	-0.568417	-139,647	0.176245	0.771484	Increased Expression with Increasing Exponent
CALVET_IRINOTECAN_SENSITIVE_VS_RESISTANT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CALVET_IRINOTECAN_SENSITIVE_VS_RESISTANT_DN	15	-0.454038	-120,146	0.176639	0.771491	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERY	388	-0.310516	-117,273	0.282101	0.771507	Increased Expression with Increasing Exponent
DASU_IL6_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DASU_IL6_SIGNALING_DN	22	-0.482579	-122,373	0.25	0.771511	Increased Expression with Increasing Exponent
FLOTHO_PEDIATRIC_ALL_THERAPY_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FLOTHO_PEDIATRIC_ALL_THERAPY_RESPONSE_UP	154	-0.470953	-151,589	0.0990291	0.771519	Increased Expression with Increasing Exponent
RHEIN_ALL_GLUCOCORTICOID_THERAPY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RHEIN_ALL_GLUCOCORTICOID_THERAPY_UP	215	-0.419174	-152,403	0.0793037	0.771524	Increased Expression with Increasing Exponent
PID_ERBB2_ERBB3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ERBB2_ERBB3_PATHWAY	142	-0.385652	-163,964	0.00772201	0.77153	Increased Expression with Increasing Exponent
REACTOME_GRB2_SOS_PROVIDES_LINKAGE_TO_MAPK_SIGNALING_FOR_I	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GRB2_SOS_PROVIDES_LINKAGE_TO_MAP	56	-0.410888	-137,245	0.0702811	0.771562	Increased Expression with Increasing Exponent
FUJIWARA_PARK2_IN_LIVER_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FUJIWARA_PARK2_IN_LIVER_CANCER_UP	18	-0.466991	-125,018	0.22093	0.771583	Increased Expression with Increasing Exponent
ZAIDI_OSTEOLAST_TRANSCRIPTION_FACTORS	http://www.broadinstitute.org/gsea/msigdb/cards/ZAIDI_OSTEOLAST_TRANSCRIPTION_FACTORS	39	-0.545379	-166,482	0.0271318	0.771586	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_UP	289	-0.278693	-117,792	0.218254	0.77159	Increased Expression with Increasing Exponent
ONDER_CDH1_TARGETS_3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ONDER_CDH1_TARGETS_3_DN	129	-0.360613	-120,014	0.258824	0.771598	Increased Expression with Increasing Exponent
HOEGERKORP_CD44_TARGETS_TEMPORAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOEGERKORP_CD44_TARGETS_TEMPORAL_UP	34	-0.38345	-115,633	0.298625	0.771605	Increased Expression with Increasing Exponent
KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY	222	-0.344271	-135,385	0.131783	0.771629	Increased Expression with Increasing Exponent
REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY	170	-0.331559	-137,838	0.111753	0.77164	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUSTAINED_IN_MONOCY	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUS	69	-0.39469	-137,935	0.114563	0.771659	Increased Expression with Increasing Exponent
CROMER_TUMORIGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CROMER_TUMORIGENESIS_UP	138	-0.401517	-119,663	0.318447	0.771698	Increased Expression with Increasing Exponent
DORN_ADENOVIRUS_INFECTION_32HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DORN_ADENOVIRUS_INFECTION_32HR_DN	94	-0.364431	-12,463	0.233068	0.771699	Increased Expression with Increasing Exponent
HELLEBREKERS_SILENCED_DURING_TUMOR_ANGIOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/HELLEBREKERS_SILENCED_DURING_TUMOR_ANGIOG	186	-0.333171	-12,004	0.259259	0.771712	Increased Expression with Increasing Exponent
KUMAR_AUTOPHAGY_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/KUMAR_AUTOPHAGY_NETWORK	160	-0.291023	-121,932	0.173824	0.771713	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_MYC_TGFA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_MYC_TGFA_UP	139	-0.330821	-12,227	0.217308	0.771723	Increased Expression with Increasing Exponent
DELPUECH_FOXO3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DELPUECH_FOXO3_TARGETS_UP	204	-0.329787	-124,907	0.203523	0.77176	Increased Expression with Increasing Exponent
XU_HGF_SIGNALING_NOT_VIA_AKT1_48HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/XU_HGF_SIGNALING_NOT_VIA_AKT1_48HR_UP	101	-0.411392	-135,901	0.176238	0.771784	Increased Expression with Increasing Exponent
NADERI_BREAST_CANCER_PROGNOSIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NADERI_BREAST_CANCER_PROGNOSIS_DN	46	-0.439807	-124,022	0.273267	0.771802	Increased Expression with Increasing Exponent
RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_DN	387	-0.261112	-122,298	0.129225	0.771855	Increased Expression with Increasing Exponent
FLECHNER_PBL_KIDNEY_TRANSPLANT_REJECTED_VS_OK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FLECHNER_PBL_KIDNEY_TRANSPLANT_REJECTED_VS_	157	-0.314095	-118,704	0.23913	0.771877	Increased Expression with Increasing Exponent
SHIPP_DLBCL_CURED_VS_FATAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SHIPP_DLBCL_CURED_VS_FATAL_UP	99	-0.32157	-122,394	0.194932	0.771896	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_CD1_AND_CD2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_CD1_AND_CD2_DN	137	-0.29552	-117,287	0.225681	0.771904	Increased Expression with Increasing Exponent
BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_24HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_24HR_	76	-0.360709	-130,138	0.166667	0.771906	Increased Expression with Increasing Exponent
MCDOWELL_ACUTE_LUNG_INJURY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCDOWELL_ACUTE_LUNG_INJURY_UP	103	-0.459739	-13,599	0.171875	0.771949	Increased Expression with Increasing Exponent
JAZAG_TGFB1_SIGNALING_VIA_SMAD4_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JAZAG_TGFB1_SIGNALING_VIA_SMAD4_DN	155	-0.285593	-121,041	0.148893	0.771956	Increased Expression with Increasing Exponent
HOFMANN_CELL_LYMPHOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFMANN_CELL_LYMPHOMA_UP	137	-0.306517	-118,763	0.216418	0.771959	Increased Expression with Increasing Exponent
BIOCARTA GRANULOCYTES_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA GRANULOCYTES_PATHWAY	24	-0.469274	-117,498	0.319231	0.77199	Increased Expression with Increasing Exponent
WANG_RECURRENT_LIVER_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_RECURRENT_LIVER_CANCER_DN	41	-0.489199	-146,925	0.0865191	0.772003	Increased Expression with Increasing Exponent
PEPPER_CHRONIC_LYMPHOCYTIC_LEUKEMIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PEPPER_CHRONIC_LYMPHOCYTIC_LEUKEMIA_UP	91	-0.298572	-118,668	0.216797	0.772015	Increased Expression with Increasing Exponent
REACTOME_RNA_POL_I_TRANSCRIPTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_I_TRANSCRIPTION	129	-0.365436	-122,974	0.25813	0.772019	Increased Expression with Increasing Exponent
GROSS_ELK3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_ELK3_TARGETS_UP	70	-0.37753	-122,456	0.224242	0.772063	Increased Expression with Increasing Exponent
FOURNIER_ACINAR_DEVELOPMENT_LATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FOURNIER_ACINAR_DEVELOPMENT_LATE_DN	52	-0.526759	-124,652	0.285141	0.7721	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_MYC_E2F1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_MYC_E2F1_UP	141	-0.337868	-118,258	0.2751	0.77216	Increased Expression with Increasing Exponent
SUH_COEXPRESSED_WITH_ID1_AND_ID2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SUH_COEXPRESSED_WITH_ID1_AND_ID2_UP	45	-0.435772	-137,327	0.13447	0.772178	Increased Expression with Increasing Exponent
LU_TUMOR_ENDOTHELIAL_MARKERS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LU_TUMOR_ENDOTHELIAL_MARKERS_UP	52	-0.503316	-138,077	0.153693	0.772184	Increased Expression with Increasing Exponent
TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_TOP20_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_TOP20_	44	-0.425842	-137,376	0.107943	0.772214	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_NODAL	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_NODAL	53	-0.369529	-121,064	0.229703	0.772233	Increased Expression with Increasing Exponent
SPIRA_SMOKERS_LUNG_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SPIRA_SMOKERS_LUNG_CANCER_UP	113	-0.357518	-122,621	0.254509	0.77226	Increased Expression with Increasing Exponent
LIAN_LIPA_TARGETS_3M	http://www.broadinstitute.org/gsea/msigdb/cards/LIAN_LIPA_TARGETS_3M	118	-0.435392	-12,503	0.293996	0.772267	Increased Expression with Increasing Exponent
BASSO_CD40_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BASSO_CD40_SIGNALING_DN	183	-0.279828	-118,811	0.194	0.772316	Increased Expression with Increasing Exponent
MORI_EMU_MYC_LYMPHOMA_BY_ONSET_TIME_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_EMU_MYC_LYMPHOMA_BY_ONSET_TIME_DN	55	-0.457801	-135,502	0.169884	0.772328	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_MAGENTA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPI	80	-0.396424	-12,208	0.26087	0.772334	Increased Expression with Increasing Exponent
HASLINGER_B_CLL_WITH_MUTATED_VH_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/HASLINGER_B_CLL_WITH_MUTATED_VH_GENES	53	-0.36348	-123,409	0.226531	0.772372	Increased Expression with Increasing Exponent
ST_STAT3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_STAT3_PATHWAY	33	-0.409525	-122,312	0.226121	0.772375	Increased Expression with Increasing Exponent
REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOK	70	-0.434763	-122,854	0.2846	0.772381	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_B_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_B_DN	17	-0.430138	-115,395	0.298387	0.77242	Increased Expression with Increasing Exponent
MISHRA_CARCINOMA_ASSOCIATED_FIBROBLAST_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MISHRA_CARCINOMA_ASSOCIATED_FIBROBLAST_UP	59	-0.497537	-139,203	0.143701	0.772429	Increased Expression with Increasing Exponent
MARSON_FOXP3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARSON_FOXP3_TARGETS_UP	180	-0.323394	-121,938	0.235052	0.772463	Increased Expression with Increasing Exponent
CHEOK_RESPONSE_TO_HD_MTX_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHEOK_RESPONSE_TO_HD_MTX_DN	73	-0.392503	-135,314	0.126923	0.77251	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_MYC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_MYC_DN	127	-0.306841	-119,664	0.225243	0.772547	Increased Expression with Increasing Exponent
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_	425	-0.270297	-115,298	0.236434	0.772555	Increased Expression with Increasing Exponent
PID_IL2_STATS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL2_STATS_PATHWAY	85	-0.341996	-122,406	0.210425	0.77257	Increased Expression with Increasing Exponent
REACTOME_MUSCLE_CONTRACTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MUSCLE_CONTRACTION	127	-0.322323	-1,235	0.193294	0.772655	Increased Expression with Increasing Exponent
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_5	http://www.broadinstitute.org/gsea/msigdb/cards/PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_5	21	-0.610598	-152,546	0.0492424	0.772678	Increased Expression with Increasing Exponent
ZAMORA_NOS2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZAMORA_NOS2_TARGETS_DN	238	-0.31466	-135,118	0.108738	0.772681	Increased Expression with Increasing Exponent
KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_UP	337	-0.298072	-11,827	0.266925	0.772688	Increased Expression with Increasing Exponent
ST_MYOCYTE_AD_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_MYOCYTE_AD_PATHWAY	79	-0.346643	-124,667	0.200803	0.772701	Increased Expression with Increasing Exponent
BIOCARTA_TNFR1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TNFR1_PATHWAY	79	-0.350359	-122,466	0.243461	0.772713	Increased Expression with Increasing Exponent
REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REGULATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REG	267	-0.422941	-118,766	0.342574	0.772728	Increased Expression with Increasing Exponent
BIOCARTA_P53HYPOXIA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_P53HYPOXIA_PATHWAY	75	-0.40771	-135,261	0.1409	0.772733	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_16HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_16HR_DN	236	-0.347919	-137,412	0.116505	0.772756	Increased Expression with Increasing Exponent
GHO_ATF5_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GHO_ATF5_TARGETS_DN	27	-0.505385	-136,013	0.150602	0.772766	Increased Expression with Increasing Exponent
BIOCARTA_TCYTOTOXIC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TCYTOTOXIC_PATHWAY	26	-0.575546	-138,112	0.178218	0.772795	Increased Expression with Increasing Exponent
BIOCARTA_HER2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_HER2_PATHWAY	78	-0.355782	-130,151	0.147638	0.772815	Increased Expression with Increasing Exponent
ULE_SPLICING_VIA_NOVA2	http://www.broadinstitute.org/gsea/msigdb/cards/ULE_SPLICING_VIA_NOVA2	141	-0.327535	-125,046	0.18125	0.772835	Increased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C7	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C7	158	-0.319528	-124,696	0.167689	0.772837	Increased Expression with Increasing Exponent
REACTOME_PRE_NOTCH_TRANSCRIPTION_AND_TRANSLATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PRE_NOTCH_TRANSCRIPTION_AND_TRAN	64	-0.420496	-137,258	0.15261	0.772854	Increased Expression with Increasing Exponent
MARCHINI TRABECTEDIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARCHINI TRABECTEDIN_RESISTANCE_DN	132	-0.356124	-122,766	0.242366	0.772855	Increased Expression with Increasing Exponent
KUROZUMI_RESPONSE_TO_ONCOCYTIC_VIRUS	http://www.broadinstitute.org/gsea/msigdb/cards/KUROZUMI_RESPONSE_TO_ONCOCYTIC_VIRUS	78	-0.456063	-123,425	0.282353	0.772865	Increased Expression with Increasing Exponent
ADDYA_ERYTHROID_DIFFERENTIATION_BY_HEMIN	http://www.broadinstitute.org/gsea/msigdb/cards/ADDYA_ERYTHROID_DIFFERENTIATION_BY_HEMIN	201	-0.384161	-151,723	0.0481928	0.772876	Increased Expression with Increasing Exponent
SAKAI_TUMOR_INFILTRATING_MONOCYTES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SAKAI_TUMOR_INFILTRATING_MONOCYTES_UP	80	-0.325404	-119,552	0.232246	0.772882	Increased Expression with Increasing Exponent
FINETTI_BREAST_CANCER_KINOME_GREEN	http://www.broadinstitute.org/gsea/msigdb/cards/FINETTI_BREAST_CANCER_KINOME_GREEN	39	-0.478242	-123,458	0.290631	0.772887	Increased Expression with Increasing Exponent
FRIDMAN_SENESCENCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FRIDMAN_SENESCENCE_DN	28	-0.47456	-137,054	0.13215	0.772892	Increased Expression with Increasing Exponent
BIOCARTA_PTEN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PTEN_PATHWAY	65	-0.463904	-147,251	0.0912621	0.772912	Increased Expression with Increasing Exponent
NADLER_OBESITY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NADLER_OBESITY_UP	121	-0.385841	-115,315	0.329457	0.772924	Increased Expression with Increasing Exponent
DAZARD_UV_RESPONSE_CLUSTER_G4	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_UV_RESPONSE_CLUSTER_G4	39	-0.483081	-135,441	0.173077	0.772934	Increased Expression with Increasing Exponent
PID_IFNG_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IFNG_PATHWAY	120	-0.356592	-135,914	0.119374	0.772946	Increased Expression with Increasing Exponent
CHNG_MULTIPLE_MYELOMA_HYPERPLOID_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHNG_MULTIPLE_MYELOMA_HYPERPLOID_UP	128	-0.43267	-119,581	0.32008	0.772961	Increased Expression with Increasing Exponent
COLLER_MYC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/COLLER_MYC_TARGETS_DN	20	-0.498106	-122,899	0.269581	0.773046	Increased Expression with Increasing Exponent
SYED ESTRADIOL_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/SYED ESTRADIOL_RESPONSE	57	-0.376794	-135,389	0.0973631	0.773073	Increased Expression with Increasing Exponent

PID_P53_DOWNSTREAM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P53_DOWNSTREAM_PATHWAY	359	-0.277499	-122,693	0.183556	0.773075	Increased Expression with Increasing Exponent
COULOUARN_TEMPORAL_TGFB1_SIGNATURE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/COULOUARN_TEMPORAL_TGFB1_SIGNATURE_UP	307	-0.288543	-122,627	0.192308	0.773076	Increased Expression with Increasing Exponent
HOFFMANN_SMALL_PRE_BII_TO_IMMATURE_B_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_SMALL_PRE_BII_TO_IMMATURE_B_LYMPHOCYTE_DN	121	-0.297901	-121,066	0.192534	0.773084	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_LIGHTYELLOW_U	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_LIGHTYELLOW_U	28	-0.464971	-139,555	0.0990291	0.773098	Increased Expression with Increasing Exponent
TIAN_TNF_SIGNALING_VIA_NFKB	http://www.broadinstitute.org/gsea/msigdb/cards/TIAN_TNF_SIGNALING_VIA_NFKB	47	-0.473514	-122,086	0.291667	0.77311	Increased Expression with Increasing Exponent
REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT_MODIFICATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSPORT_TO_THE_GOLGI_AND_SUBSEQUENT_MODIFICATION	83	-0.468433	-15,374	0.0649606	0.773112	Increased Expression with Increasing Exponent
GENTILE_UV_RESPONSE_CLUSTER_D5	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_RESPONSE_CLUSTER_D5	103	-0.319233	-118,812	0.229167	0.773142	Increased Expression with Increasing Exponent
SAMOLS_TARGETS_OF_KHSV_MIRNAS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SAMOLS_TARGETS_OF_KHSV_MIRNAS_DN	181	-0.37436	-135,715	0.146245	0.773169	Increased Expression with Increasing Exponent
NEMETH_INFLAMMATORY_RESPONSE_LPS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NEMETH_INFLAMMATORY_RESPONSE_LPS_UP	237	-0.394952	-130,258	0.231827	0.773169	Increased Expression with Increasing Exponent
REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SPHINGOLIPID_DE_NOVO_BIOSYNTHESIS	78	-0.35	-12,286	0.215842	0.773172	Increased Expression with Increasing Exponent
DACOSTA_ERCC3_ALLELE_XPCS_VS_TTD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_ERCC3_ALLELE_XPCS_VS_TTD_DN	96	-0.37429	-138,203	0.108108	0.773174	Increased Expression with Increasing Exponent
REACTOME_CELL_DEATH_SIGNALLING_VIA_NRAGE_NRIF_AND_NADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CELL_DEATH_SIGNALLING_VIA_NRAGE_NRIF_AND_NADE	188	-0.266122	-121,947	0.132325	0.773183	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_10HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_10HR_UP	250	-0.298325	-11,951	0.222441	0.773184	Increased Expression with Increasing Exponent
BIOCARTA_HSP27_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_HSP27_PATHWAY	34	-0.473563	-139,653	0.128099	0.773184	Increased Expression with Increasing Exponent
DACOSTA_LOW_DOSE_UV_RESPONSE_VIA_ERCC3_XPCS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_LOW_DOSE_UV_RESPONSE_VIA_ERCC3_XPCS_DN	34	-0.671804	-145,231	0.128968	0.773209	Increased Expression with Increasing Exponent
BIOCARTA_IGF1MOTOR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IGF1MOTOR_PATHWAY	67	-0.403313	-137,448	0.113208	0.773257	Increased Expression with Increasing Exponent
LENAOUR_DENDRITIC_CELL_MATURATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LENAOUR_DENDRITIC_CELL_MATURATION_DN	325	-0.384888	-135,149	0.174349	0.773263	Increased Expression with Increasing Exponent
REACTOME_THROMBIN_SIGNALLING_THROUGH_PROTEINASE_ACTIVATED	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_THROMBIN_SIGNALLING_THROUGH_PROTEINASE_ACTIVATED	84	-0.337822	-12,272	0.190184	0.77328	Increased Expression with Increasing Exponent
YANAGIHARA_ESX1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/YANAGIHARA_ESX1_TARGETS	121	-0.369721	-139,231	0.101887	0.773302	Increased Expression with Increasing Exponent
PID_P73PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P73PATHWAY	233	-0.284243	-119,667	0.203156	0.773314	Increased Expression with Increasing Exponent
HOWLIN_PUBERTAL_MAMMARY_GLAND	http://www.broadinstitute.org/gsea/msigdb/cards/HOWLIN_PUBERTAL_MAMMARY_GLAND	149	-0.327044	-119,697	0.248077	0.773316	Increased Expression with Increasing Exponent
REACTOME_ACYL_CHAIN_REMODELLING_OF_PI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACYL_CHAIN_REMODELLING_OF_PI	23	-0.419512	-118,832	0.277433	0.773384	Increased Expression with Increasing Exponent
BIOCARTA_CELL2CELL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CELL2CELL_PATHWAY	45	-0.394718	-137,496	0.104	0.773392	Increased Expression with Increasing Exponent
PID_SYNDECAN_2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_SYNDECAN_2_PATHWAY	108	-0.34705	-13,784	0.0790021	0.773394	Increased Expression with Increasing Exponent
GENTILE_UV_HIGH_DOSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_HIGH_DOSE_UP	55	-0.423498	-137,937	0.145794	0.773424	Increased Expression with Increasing Exponent
LINDGREN_BLADDER_CANCER_HIGH_RECURRENCE	http://www.broadinstitute.org/gsea/msigdb/cards/LINDGREN_BLADDER_CANCER_HIGH_RECURRENCE	136	-0.433556	-152,117	0.0742972	0.773453	Increased Expression with Increasing Exponent
ELVIDGE_HYPOXIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HYPOXIA_UP	484	-0.331665	-130,211	0.199248	0.773461	Increased Expression with Increasing Exponent
WOO_LIVER_CANCER_RECURRENCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WOO_LIVER_CANCER_RECURRENCE_UP	300	-0.343567	-147,167	0.0523139	0.773471	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_SCF_KIT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_SCF_KIT	228	-0.363345	-152,277	0.0267176	0.773484	Increased Expression with Increasing Exponent
XU_RESPONSE_TO_TRETINOIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/XU_RESPONSE_TO_TRETINOIN_DN	40	-0.371648	-118,922	0.256809	0.773486	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLUE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLUE_UP	340	-0.319803	-12,247	0.225746	0.773557	Increased Expression with Increasing Exponent
CLASPER_LYMPHATIC_VESSELS_DURING_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CLASPER_LYMPHATIC_VESSELS_DURING_METASTASIS_DN	93	-0.52185	-13,754	0.174089	0.773562	Increased Expression with Increasing Exponent
IZUKA_LIVER_CANCER_PROGRESSION_G1_G2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IZUKA_LIVER_CANCER_PROGRESSION_G1_G2_DN	83	-0.477706	-152,033	0.0781563	0.773573	Increased Expression with Increasing Exponent
LINDVALL_IMMORTALIZED_BY_TERT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LINDVALL_IMMORTALIZED_BY_TERT_UP	215	-0.303909	-119,011	0.241715	0.773623	Increased Expression with Increasing Exponent
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_2_DN	45	-0.373019	-121,964	0.216387	0.773628	Increased Expression with Increasing Exponent
BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_48HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_48HR_DN	61	-0.329992	-115,315	0.262745	0.77366	Increased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C3	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C3	42	-0.471018	-145,284	0.103113	0.773661	Increased Expression with Increasing Exponent
SENESE_HDAC2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SENESE_HDAC2_TARGETS_UP	360	-0.32634	-121,078	0.246154	0.773667	Increased Expression with Increasing Exponent
FREDERICK_PRKCI_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/FREDERICK_PRKCI_TARGETS	24	-0.447169	-121,995	0.28373	0.773677	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_16	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_16	65	-0.341098	-121,593	0.210117	0.773698	Increased Expression with Increasing Exponent
PID_MET_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_MET_PATHWAY	254	-0.295849	-124,702	0.149798	0.773699	Increased Expression with Increasing Exponent
HOLLEMAN_DAUNORUBICIN_B_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_DAUNORUBICIN_B_ALL_UP	24	-0.50981	-139,324	0.136929	0.773715	Increased Expression with Increasing Exponent
ONO_FOXP3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ONO_FOXP3_TARGETS_DN	124	-0.324368	-119,454	0.242063	0.77378	Increased Expression with Increasing Exponent
ELVIDGE_HIF1A_AND_HIF2A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HIF1A_AND_HIF2A_TARGETS_DN	287	-0.342905	-118,941	0.313953	0.773853	Increased Expression with Increasing Exponent
WU_HBX_TARGETS_3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WU_HBX_TARGETS_3_UP	45	-0.418535	-135,504	0.136	0.773856	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_FGFR1_FUSION_MUTANTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_FGFR1_FUSION_MUTANTS	63	-0.394309	-122,493	0.223762	0.773882	Increased Expression with Increasing Exponent
ALONSO_METASTASIS_EMT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ALONSO_METASTASIS_EMT_UP	85	-0.374202	-122,631	0.255446	0.773925	Increased Expression with Increasing Exponent
STOSSI_RESPONSE_TO ESTRADIOL	http://www.broadinstitute.org/gsea/msigdb/cards/STOSSI_RESPONSE_TO ESTRADIOL	104	-0.298985	-118,968	0.210938	0.773931	Increased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_C_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_C_DN	175	-0.370419	-154,068	0.019802	0.77395	Increased Expression with Increasing Exponent
KUUSELO_PANCREATIC_CANCER_19Q13_AMPLIFICATION	http://www.broadinstitute.org/gsea/msigdb/cards/KUUSELO_PANCREATIC_CANCER_19Q13_AMPLIFICATION	47	-0.539704	-153,182	0.082495	0.773966	Increased Expression with Increasing Exponent
PODAR_RESPONSE_TO_ADAPHOSTIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PODAR_RESPONSE_TO_ADAPHOSTIN_UP	380	-0.40338	-153,546	0.0750988	0.774015	Increased Expression with Increasing Exponent
ZAMORA_NOS2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZAMORA_NOS2_TARGETS_UP	161	-0.355087	-122,522	0.248497	0.774021	Increased Expression with Increasing Exponent
BASSO_CD40_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BASSO_CD40_SIGNALING_UP	264	-0.405474	-130,152	0.23301	0.774056	Increased Expression with Increasing Exponent
GILDEA_METASTASIS	http://www.broadinstitute.org/gsea/msigdb/cards/GILDEA_METASTASIS	86	-0.458827	-146,596	0.101215	0.774067	Increased Expression with Increasing Exponent
VETTER_TARGETS_OF_PRKCA_AND_ETS1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VETTER_TARGETS_OF_PRKCA_AND_ETS1_UP	79	-0.398078	-1.39	0.116601	0.77407	Increased Expression with Increasing Exponent
WEBER_METHYLATED_HCP_IN_SPERM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_HCP_IN_SPERM_DN	46	-0.44782	-153,273	0.0403071	0.774074	Increased Expression with Increasing Exponent
PID_INSULIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INSULIN_PATHWAY	135	-0.300404	-119,117	0.236994	0.774112	Increased Expression with Increasing Exponent
SATO_SILENCED_BY_DEACETYLATION_IN_PANCREATIC_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/SATO_SILENCED_BY_DEACETYLATION_IN_PANCREATIC_CANCER	122	-0.35872	-137,575	0.107004	0.774112	Increased Expression with Increasing Exponent
LEE_AGING_MUSCLE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_AGING_MUSCLE_UP	116	-0.301761	-118,834	0.218935	0.774157	Increased Expression with Increasing Exponent
KEGG_ADHERENS_JUNCTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ADHERENS_JUNCTION	259	-0.2896	-121,088	0.178723	0.774297	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_ERYTHROCYTE_DN	28	-0.419495	-111,016	0.36646	0.774301	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_E_DN	49	-0.421093	-139,098	0.0945674	0.774323	Increased Expression with Increasing Exponent
BIOCARTA_CTLA4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CTLA4_PATHWAY	52	-0.454695	-136,015	0.179688	0.774351	Increased Expression with Increasing Exponent
TSUNODA_CISPLATIN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TSUNODA_CISPLATIN_RESISTANCE_UP	37	-0.434473	-119,015	0.29207	0.774371	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_ERBB2	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_ERBB2	305	-0.250989	-111,556	0.272366	0.774438	Increased Expression with Increasing Exponent
SA_MMP_CYTOKINE_CONNECTION	http://www.broadinstitute.org/gsea/msigdb/cards/SA_MMP_CYTOKINE_CONNECTION	45	-0.524949	-138,119	0.19057	0.774442	Increased Expression with Increasing Exponent
SAFFORD_T_LYMPHOCYTE_ENERGY	http://www.broadinstitute.org/gsea/msigdb/cards/SAFFORD_T_LYMPHOCYTE_ENERGY	205	-0.275244	-118,854	0.215116	0.774452	Increased Expression with Increasing Exponent
PID_CXCR3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CXCR3_PATHWAY	115	-0.306853	-121,532	0.218504	0.774483	Increased Expression with Increasing Exponent
LEE_SP4_THYMOCYTE	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_SP4_THYMOCYTE	27	-0.481171	-13,516	0.141732	0.774487	Increased Expression with Increasing Exponent
ENGELMANN_CANCER_PROGENITORS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ENGELMANN_CANCER_PROGENITORS_DN	150	-0.353073	-136,719	0.0702811	0.774564	Increased Expression with Increasing Exponent
PID_AR_NONGENOMIC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_AR_NONGENOMIC_PATHWAY	88	-0.32262	-121,112	0.205021	0.774583	Increased Expression with Increasing Exponent
NUTT_GBM_VS_AO_GLIOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NUTT_GBM_VS_AO_GLIOMA_UP	124	-0.47398	-138,216	0.176715	0.774593	Increased Expression with Increasing Exponent
KEGG_JAK_STAT_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_JAK_STAT_SIGNALING_PATHWAY	356	-0.290435	-121,594	0.189189	0.774594	Increased Expression with Increasing Exponent
KEGG_COLORECTAL_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_COLORECTAL_CANCER	186	-0.34212	-14,693	0.0335306	0.774603	Increased Expression with Increasing Exponent
CHENG_RESPONSE_TO_NICKEL_ACETATE	http://www.broadinstitute.org/gsea/msigdb/cards/CHENG_RESPONSE_TO_NICKEL_ACETATE	126	-0.282638	-114,212	0.26626	0.774614	Increased Expression with Increasing Exponent
GYORFFY_MITOXANTHRONE_RESISTANCE	http://www.broadinstitute.org/gsea/msigdb/cards/GYORFFY_MITOXANTHRONE_RESISTANCE	141	-0.304715	-124,707	0.158824	0.774626	Increased Expression with Increasing Exponent
YAGI_AML_FAB_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/YAGI_AML_FAB_MARKERS	480	-0.243829	-11,913	0.150097	0.774634	Increased Expression with Increasing Exponent
OUILLETTE_CLL_13Q14_DELETION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OUILLETTE_CLL_13Q14_DELETION_UP	237	-0.269866	-111,028	0.302372	0.77465	Increased Expression with Increasing Exponent
REACTOME_BASIGIN_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_BASIGIN_INTERACTIONS	66	-0.35142	-119,257	0.280392	0.774662	Increased Expression with Increasing Exponent
CHANGOLKAR_H2AFY_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHANGOLKAR_H2AFY_TARGETS_DN	112	-0.288011	-114,267	0.259332	0.774672	Increased Expression with Increasing Exponent
MARSON_FOXP3_TARGETS_STIMULATED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARSON_FOXP3_TARGETS_STIMULATED_UP	64	-0.372086	-12,169	0.241517	0.774691	Increased Expression with Increasing Exponent
MOOTHA_ROS	http://www.broadinstitute.org/gsea/msigdb/cards/MOOTHA_ROS	16	-0.511627	-121,204	0.283368	0.774693	Increased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_METHOTREXATE	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_METHOTREXATE	46	-0.435942	-151,599	0.0529532	0.774697	Increased Expression with Increasing Exponent
PLASARI_TGFB1_TARGETS_10HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_TGFB1_TARGETS_10HR_UP	494	-0.299697	-119,287	0.238281	0.774698	Increased Expression with Increasing Exponent
REACTOME_PECAM1_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PECAM1_INTERACTIONS	34	-0.395121	-11,932	0.250996	0.774702	Increased Expression with Increasing Exponent
LEE_CALORIE_RESTRICTION_NEOCORTEX_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_CALORIE_RESTRICTION_NEOCORTEX_UP	216	-0.267031	-121,139	0.15	0.774711	Increased Expression with Increasing Exponent
SUZUKI_AMPLIFIED_IN_ORAL_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/SUZUKI_AMPLIFIED_IN_ORAL_CANCER	36	-0.486966	-153,969	0.0526316	0.774715	Increased Expression with Increasing Exponent
BIOCARTA_GPCR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_GPCR_PATHWAY	116	-0.333072	-121,171	0.233202	0.774724	Increased Expression with Increasing Exponent
KEGG_LEISHMANIA_INFECTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_LEISHMANIA_INFECTION	177	-0.447804	-139,244	0.157058	0.774744	Increased Expression with Increasing Exponent
CAIRO_PML_TARGETS_BOUND_BY_MYC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CAIRO_PML_TARGETS_BOUND_BY_MYC_UP	67	-0.382407	-111,134	0.360489	0.774776	Increased Expression with Increasing Exponent
BIOCARTA_IGF1R_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IGF1R_PATHWAY	65	-0.413028	-152,584	0.0475285	0.774784	Increased Expression with Increasing Exponent
ITO_PTTG1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ITO_PTTG1_TARGETS_UP	44	-0.387607	-115,179	0.319066	0.774788	Increased Expression with Increasing Exponent
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_UP	358	-0.333961	-135,523	0.12233	0.774814	Increased Expression with Increasing Exponent
BILANGES_SERUM_AND_RAPAMYCIN_SENSITIVE_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/BILANGES_SERUM_AND_RAPAMYCIN_SENSITIVE_GENES	172	-0.398995	-111,048	0.399614	0.774821	Increased Expression with Increasing Exponent
WATANABE_ULCERATIVE_COLITIS_WITH_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WATANABE_ULCERATIVE_COLITIS_WITH_CANCER_UP	51	-0.333933	-11,423	0.300203	0.774851	Increased Expression with Increasing Exponent
HWANG_PROSTATE_CANCER_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/HWANG_PROSTATE_CANCER_MARKERS	71	-0.343791	-111,154	0.330739	0.774898	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_DENA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_DENA_UP	131	-0.371013	-136,091	0.116	0.774901	Increased Expression with Increasing Exponent
KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_4NQO_IN_WS	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_ENVIRONMENTAL_STRESS_RESPONSE_NOT_BY_4NQO_IN_WS	110	-0.290471	-114,139	0.30101	0.774924	Increased Expression with Increasing Exponent

AMIT_EGF_RESPONSE_480_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_480_MCF10A	100	-0.34838	-119,025	0.280835	0.774953	Increased Expression with Increasing Exponent
GALLUZZI_PERMEABILIZE_MITOCHONDRIA	http://www.broadinstitute.org/gsea/msigdb/cards/GALLUZZI_PERMEABILIZE_MITOCHONDRIA	111	-0.317621	-119,053	0.252016	0.77496	Increased Expression with Increasing Exponent
RASHI_RESPONSE_TO_IONIZING_RADIATION_2	http://www.broadinstitute.org/gsea/msigdb/cards/RASHI_RESPONSE_TO_IONIZING_RADIATION_2	330	-0.383214	-152,413	0.0670611	0.774962	Increased Expression with Increasing Exponent
ST_FAS_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_FAS_SIGNALING_PATHWAY	181	-0.245433	-11,107	0.289916	0.774968	Increased Expression with Increasing Exponent
DORN_ADENOVIRUS_INFECTION_24HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DORN_ADENOVIRUS_INFECTION_24HR_DN	95	-0.394035	-137,644	0.130097	0.774995	Increased Expression with Increasing Exponent
BIOCARTA_INFLAM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_INFLAM_PATHWAY	51	-0.386587	-11,156	0.36255	0.775023	Increased Expression with Increasing Exponent
RAMPON_ENRICHED_LEARNING_ENVIRONMENT_LATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RAMPON_ENRICHED_LEARNING_ENVIRONMENT_LATE_UP	63	-0.323846	-115,109	0.27439	0.775069	Increased Expression with Increasing Exponent
SAKAI_CHRONIC_HEPATITIS_VS_LIVER_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SAKAI_CHRONIC_HEPATITIS_VS_LIVER_CANCER_UP	270	-0.282389	-113,935	0.286837	0.775071	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_TGF_BETA_RECEPTOR_COMPLEX	165	-0.368174	-146,297	0.0450098	0.775074	Increased Expression with Increasing Exponent
REACTOME_TRANSPORT_OF_ORGANIC_ANIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSPORT_OF_ORGANIC_ANIONS	24	-0.411565	-111,172	0.338086	0.775128	Increased Expression with Increasing Exponent
MORI_PLASMA_CELL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_PLASMA_CELL_DN	90	-0.347695	-115,137	0.278481	0.775142	Increased Expression with Increasing Exponent
DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_DN	41	-0.46569	-13,902	0.141988	0.775164	Increased Expression with Increasing Exponent
PID_CXCR4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CXCR4_PATHWAY	279	-0.349582	-138,762	0.121272	0.775166	Increased Expression with Increasing Exponent
HUPER_BREAST_BASAL_VS_LUMINAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUPER_BREAST_BASAL_VS_LUMINAL_UP	127	-0.415618	-14,616	0.0627451	0.775169	Increased Expression with Increasing Exponent
GAZDA_DIAMOND_BLACKFAN_ANEMIA_MYELOID_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAZDA_DIAMOND_BLACKFAN_ANEMIA_MYELOID_UP	90	-0.31383	-111,089	0.319149	0.775175	Increased Expression with Increasing Exponent
MORI_PRE_BI_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_PRE_BI_LYMPHOCYTE_DN	201	-0.299598	-114,305	0.301205	0.77518	Increased Expression with Increasing Exponent
PID_HIF1_TFPATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HIF1_TFPATHWAY	184	-0.32007	-115,016	0.296813	0.775192	Increased Expression with Increasing Exponent
BAKKER_FOXO3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BAKKER_FOXO3_TARGETS_UP	167	-0.272424	-114,275	0.276392	0.775213	Increased Expression with Increasing Exponent
VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_UP	213	-0.364443	-11,914	0.263052	0.775228	Increased Expression with Increasing Exponent
IKEDA_MIR133_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IKEDA_MIR133_TARGETS_UP	147	-0.321873	-119,171	0.23913	0.775258	Increased Expression with Increasing Exponent
VARELA_ZMPSTE24_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VARELA_ZMPSTE24_TARGETS_UP	95	-0.318749	-114,155	0.289827	0.775273	Increased Expression with Increasing Exponent
LEI_HOXC8_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEI_HOXC8_TARGETS_DN	38	-0.464564	-14,643	0.0669291	0.775286	Increased Expression with Increasing Exponent
SCHOEN_NFKB_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/SCHOEN_NFKB_SIGNALING	83	-0.510045	-146,221	0.126233	0.775293	Increased Expression with Increasing Exponent
PID_EPHA_FWDPATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_EPHA_FWDPATHWAY	92	-0.324173	-119,203	0.232653	0.775334	Increased Expression with Increasing Exponent
WONG_ENDMETRIUM_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WONG_ENDMETRIUM_CANCER_UP	58	-0.3621	-1,217	0.215501	0.775339	Increased Expression with Increasing Exponent
LOPEZ_MESOTHELIOMA_SURVIVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_MESOTHELIOMA_SURVIVAL_DN	38	-0.540105	-151,747	0.0643863	0.775344	Increased Expression with Increasing Exponent
LEE_AGING_MUSCLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_AGING_MUSCLE_DN	140	-0.269659	-113,952	0.254717	0.775344	Increased Expression with Increasing Exponent
PID_HEDGEHOG_2PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HEDGEHOG_2PATHWAY	52	-0.417889	-139,333	0.117864	0.775358	Increased Expression with Increasing Exponent
BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_DN	121	-0.382082	-139,441	0.121807	0.77538	Increased Expression with Increasing Exponent
WU_SILENCED_BY_METHYLATION_IN_BLADDER_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/WU_SILENCED_BY_METHYLATION_IN_BLADDER_CANCER	161	-0.342551	-113,892	0.310345	0.775413	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1T1_FUSION_SUSTAINED_IN_GRANULOCYTES	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1T1_FUSION_SUSTAINED_IN_GRANULOCYTES	40	-0.351887	-119,326	0.23622	0.775414	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_THE_B_CELL_RECEPTOR_BCR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_THE_B_CELL_RECEPTOR_BCR	1318	-0.272149	-121,598	0.179074	0.775426	Increased Expression with Increasing Exponent
BRACHAT_RESPONSE_TO_CAMPTOTHECIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BRACHAT_RESPONSE_TO_CAMPTOTHECIN_UP	64	-0.363052	-13,603	0.12069	0.775433	Increased Expression with Increasing Exponent
DUNNE_TARGETS_OF_AML1_MTG8_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DUNNE_TARGETS_OF_AML1_MTG8_FUSION_DN	57	-0.352111	-114,089	0.290385	0.775441	Increased Expression with Increasing Exponent
KEGG_ACUTE_MYELOID_LEUKEMIA	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ACUTE_MYELOID_LEUKEMIA	173	-0.298581	-12,163	0.175097	0.775477	Increased Expression with Increasing Exponent
KEGG_RENIN_ANGIOTENSIN_SYSTEM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_RENIN_ANGIOTENSIN_SYSTEM	35	-0.393529	-124,712	0.213611	0.775492	Increased Expression with Increasing Exponent
BROCKE_APOPTOSIS_REVERSED_BY_IL6	http://www.broadinstitute.org/gsea/msigdb/cards/BROCKE_APOPTOSIS_REVERSED_BY_IL6	428	-0.37702	-147,259	0.0854871	0.775508	Increased Expression with Increasing Exponent
PID_VEGFR1_2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_VEGFR1_2_PATHWAY	227	-0.291704	-121,206	0.198819	0.775551	Increased Expression with Increasing Exponent
NUMATA_CSF3_SIGNALING_VIA_STAT3	http://www.broadinstitute.org/gsea/msigdb/cards/NUMATA_CSF3_SIGNALING_VIA_STAT3	74	-0.392129	-13,824	0.0985916	0.7756	Increased Expression with Increasing Exponent
PYEON_HPV_POSITIVE_TUMORS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PYEON_HPV_POSITIVE_TUMORS_DN	21	-0.380885	-111,179	0.328155	0.775616	Increased Expression with Increasing Exponent
SCHIEDEREIT_IKK_INTERACTING_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/SCHIEDEREIT_IKK_INTERACTING_PROTEINS	166	-0.259753	-114,971	0.212928	0.77563	Increased Expression with Increasing Exponent
BIOCARTA_IL1R_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL1R_PATHWAY	79	-0.422605	-1,453	0.0878906	0.775651	Increased Expression with Increasing Exponent
HOOL_ST7_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOOL_ST7_TARGETS_UP	236	-0.26205	-11,156	0.30814	0.775685	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_20HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_20HR_DN	273	-0.257698	-113,965	0.242661	0.775692	Increased Expression with Increasing Exponent
GAZDA_DIAMOND_BLACKFAN_ANEMIA_MYELOID_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAZDA_DIAMOND_BLACKFAN_ANEMIA_MYELOID_DN	112	-0.298407	-114,312	0.27439	0.775712	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_DN	86	-0.443722	-137,672	0.166337	0.775728	Increased Expression with Increasing Exponent
RIZ_ERYTHROID_DIFFERENTIATION_6HR	http://www.broadinstitute.org/gsea/msigdb/cards/RIZ_ERYTHROID_DIFFERENTIATION_6HR	99	-0.304307	-111,421	0.297405	0.775733	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_2	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_2	237	-0.247026	-111,393	0.272545	0.775757	Increased Expression with Increasing Exponent
NATSUME_RESPONSE_TO_INTERFERON_BETA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NATSUME_RESPONSE_TO_INTERFERON_BETA_UP	199	-0.324413	-137,578	0.0851485	0.775768	Increased Expression with Increasing Exponent
WANG_NEOPLASTIC_TRANSFORMATION_BY_CCND1_MYC	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_NEOPLASTIC_TRANSFORMATION_BY_CCND1_MYC	44	-0.380483	-114,732	0.317647	0.775776	Increased Expression with Increasing Exponent
MARSON_FOXP3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARSON_FOXP3_TARGETS_DN	125	-0.350078	-121,716	0.246548	0.775818	Increased Expression with Increasing Exponent
GRAHAM_CML_QUIESCENT_VS_NORMAL_QUIESCENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_QUIESCENT_VS_NORMAL_QUIESCENT_DN	151	-0.324622	-114,335	0.292308	0.775831	Increased Expression with Increasing Exponent
BIOCARTA_NFAT_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NFAT_PATHWAY	156	-0.279347	-115,019	0.237255	0.775861	Increased Expression with Increasing Exponent
PID_CIRCADIAN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CIRCADIAN_PATHWAY	44	-0.356496	-111,361	0.339844	0.775885	Increased Expression with Increasing Exponent
REACTOME_TRAF6_MEDIATED_NFKB_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAF6_MEDIATED_NFKB_ACTIVATION	50	-0.340108	-114,388	0.296078	0.775899	Increased Expression with Increasing Exponent
REACTOME_ADP_SIGNALING_THROUGH_P2RY12	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ADP_SIGNALING_THROUGH_P2RY12	44	-0.341099	-114,904	0.27789	0.775904	Increased Expression with Increasing Exponent
PID_HDAC_CLASSIII_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HDAC_CLASSIII_PATHWAY	59	-0.314543	-114,042	0.271825	0.775934	Increased Expression with Increasing Exponent
NOUZOVA_METHYLATED_IN_APL	http://www.broadinstitute.org/gsea/msigdb/cards/NOUZOVA_METHYLATED_IN_APL	146	-0.251687	-111,685	0.262548	0.775952	Increased Expression with Increasing Exponent
MARTIN_INTERACT_WITH_HDAC	http://www.broadinstitute.org/gsea/msigdb/cards/MARTIN_INTERACT_WITH_HDAC	128	-0.274663	-119,337	0.195652	0.775983	Increased Expression with Increasing Exponent
HINATA_NFKB_TARGETS_KERATINOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HINATA_NFKB_TARGETS_KERATINOCYTE_UP	213	-0.346175	-111,218	0.359073	0.775989	Increased Expression with Increasing Exponent
PID_LYMPH_ANGIOGENESIS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_LYMPH_ANGIOGENESIS_PATHWAY	81	-0.463188	-136,536	0.176245	0.776006	Increased Expression with Increasing Exponent
PID_EPHRINB_REV_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_EPHRINB_REV_PATHWAY	83	-0.264329	-111,188	0.294737	0.776021	Increased Expression with Increasing Exponent
GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_UP	385	-0.346012	-135,536	0.140039	0.776024	Increased Expression with Increasing Exponent
REACTOME_PIP3_ACTIVATES_AKT_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PIP3_ACTIVATES_AKT_SIGNALING	93	-0.432119	-146,343	0.085389	0.776041	Increased Expression with Increasing Exponent
KEGG_BLADDER_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_BLADDER_CANCER	108	-0.359173	-136,724	0.123772	0.776066	Increased Expression with Increasing Exponent
REACTOME_TRANSLATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSLATION	363	-0.377844	-115,039	0.365462	0.776078	Increased Expression with Increasing Exponent
KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS	258	-0.337526	-136,772	0.124506	0.776083	Increased Expression with Increasing Exponent
BIOCARTA_PITX2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PITX2_PATHWAY	38	-0.366282	-111,461	0.330097	0.776086	Increased Expression with Increasing Exponent
ONO_FOXP3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ONO_FOXP3_TARGETS_UP	48	-0.456483	-13,884	0.132827	0.776092	Increased Expression with Increasing Exponent
ZHENG_RESPONSE_TO_ARSENITE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_RESPONSE_TO_ARSENITE_DN	44	-0.494251	-152,722	0.0387597	0.776106	Increased Expression with Increasing Exponent
AMIT_SERUM_RESPONSE_240_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_SERUM_RESPONSE_240_MCF10A	171	-0.359372	-146,479	0.0571992	0.776106	Increased Expression with Increasing Exponent
ONGUSAHA_TP53_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/ONGUSAHA_TP53_TARGETS	79	-0.361083	-121,442	0.236893	0.776114	Increased Expression with Increasing Exponent
WANG_RESPONSE_TO_PACLITAXEL_VIA_MAPK8_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_RESPONSE_TO_PACLITAXEL_VIA_MAPK8_UP	36	-0.403849	-111,433	0.380392	0.776115	Increased Expression with Increasing Exponent
JEON_SMAD6_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JEON_SMAD6_TARGETS_UP	73	-0.51382	-151,812	0.116142	0.776116	Increased Expression with Increasing Exponent
CHIBA_RESPONSE_TO_TSA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIBA_RESPONSE_TO_TSA_DN	81	-0.511546	-16,403	0.035225	0.776137	Increased Expression with Increasing Exponent
HUTTMANN_B_CLL_POOR_SURVIVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUTTMANN_B_CLL_POOR_SURVIVAL_DN	203	-0.253038	-114,407	0.219316	0.776149	Increased Expression with Increasing Exponent
AMUNDSON_GAMMA_RADIATION_RESISTANCE	http://www.broadinstitute.org/gsea/msigdb/cards/AMUNDSON_GAMMA_RADIATION_RESISTANCE	49	-0.377798	-121,216	0.254098	0.776151	Increased Expression with Increasing Exponent
BIOCARTA_MET_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MET_PATHWAY	132	-0.40122	-152,638	0.0429907	0.776163	Increased Expression with Increasing Exponent
LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTAL_UP	169	-0.323882	-113,974	0.318	0.776166	Increased Expression with Increasing Exponent
NOJIMA_SFRP2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NOJIMA_SFRP2_TARGETS_DN	89	-0.380365	-121,246	0.27821	0.776181	Increased Expression with Increasing Exponent
KAAB_FAILED_HEART_VENTRICLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KAAB_FAILED_HEART_VENTRICLE_DN	94	-0.319696	-114,658	0.281513	0.776201	Increased Expression with Increasing Exponent
ZHU_SKIL_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHU_SKIL_TARGETS_DN	26	-0.477076	-136,917	0.14881	0.776214	Increased Expression with Increasing Exponent
PID_AVB3_INTEGRIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_AVB3_INTEGRIN_PATHWAY	228	-0.36905	-138,273	0.105882	0.776217	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_ILS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_ILS	278	-0.354095	-139,362	0.106	0.776223	Increased Expression with Increasing Exponent
ST_INTEGRIN_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_INTEGRIN_SIGNALING_PATHWAY	269	-0.34581	-152,807	0.0272374	0.776236	Increased Expression with Increasing Exponent
MORI_SMALL_PRE_BII_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_SMALL_PRE_BII_LYMPHOCYTE_UP	207	-0.259388	-114,347	0.239351	0.776249	Increased Expression with Increasing Exponent
KEGG_DORSO_VENTRAL_AXIS_FORMATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_DORSO_VENTRAL_AXIS_FORMATION	79	-0.321777	-121,306	0.226562	0.776259	Increased Expression with Increasing Exponent
TOMLINS_PROSTATE_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TOMLINS_PROSTATE_CANCER_UP	119	-0.297086	-111,563	0.292398	0.776268	Increased Expression with Increasing Exponent
IAZAG_TGFB1_SIGNALING_VIA_SMAD4_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IAZAG_TGFB1_SIGNALING_VIA_SMAD4_UP	263	-0.250614	-11,443	0.261856	0.776315	Increased Expression with Increasing Exponent
CHEN_LVAD_SUPPORT_OF_FAILING_HEART_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_LVAD_SUPPORT_OF_FAILING_HEART_DN	106	-0.32067	-114,916	0.297131	0.776317	Increased Expression with Increasing Exponent
KANG_GIST_WITH_PDGFR_A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_GIST_WITH_PDGFR_A_UP	122	-0.389564	-136,096	0.142012	0.776347	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREEN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREEN_DN	78	-0.314943	-111,585	0.316103	0.776378	Increased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_DOXORUBICIN	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_DOXORUBICIN	50	-0.32304	-110,818	0.311245	0.776388	Increased Expression with Increasing Exponent
REACTOME_GROWTH_HORMONE_RECEPTOR_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GROWTH_HORMONE_RECEPTOR_SIGNALING	85	-0.326449	-111,694	0.332669	0.776391	Increased Expression with Increasing Exponent
PID_TGFB_R_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TGFB_R_PATHWAY	179	-0.289444	-114,766	0.263056	0.776401	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_240_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_240_MCF10A	67	-0.391236	-136,422	0.119461	0.776446	Increased Expression with Increasing Exponent
OLSSON_E2F3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OLSSON_E2F3_TARGETS_DN	123	-0.324342	-111,719	0.345528	0.776453	Increased Expression with Increasing Exponent
WINTER_HYPOXIA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WINTER_HYPOXIA_DN	146	-0.347544	-114,677	0.334661	0.776454	Increased Expression with Increasing Exponent

REACTOME_SIGNALING_BY_FGFR_IN_DISEASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_FGFR_IN_DISEASE	377	-0.244977	-114,852	0.232422	0.776455	Increased Expression with Increasing Exponent
BIOCARTA_PAR1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PAR1_PATHWAY	116	-0.277458	-110,842	0.309572	0.776472	Increased Expression with Increasing Exponent
GRASEMANN_RETINOBLASTOMA_WITH_6P_AMPLIFICATION	http://www.broadinstitute.org/gsea/msigdb/cards/GRASEMANN_RETINOBLASTOMA_WITH_6P_AMPLIFIC	31	-0.422143	-114,734	0.320248	0.776476	Increased Expression with Increasing Exponent
PARK_TRETINOIN_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_TRETINOIN_RESPONSE	25	-0.648034	-152,882	0.0873786	0.776535	Increased Expression with Increasing Exponent
BIOCARTA_IL10_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL10_PATHWAY	41	-0.392144	-114,616	0.315476	0.776545	Increased Expression with Increasing Exponent
SUZUKI_RESPONSE_TO_TSA_AND_DECITABINE_1A	http://www.broadinstitute.org/gsea/msigdb/cards/SUZUKI_RESPONSE_TO_TSA_AND_DECITABINE_1A	74	-0.313608	-111,744	0.299799	0.776546	Increased Expression with Increasing Exponent
ZHONG_SECRETOME_OF_LUNG_CANCER_AND_MACROPHAGE	http://www.broadinstitute.org/gsea/msigdb/cards/ZHONG_SECRETOME_OF_LUNG_CANCER_AND_MACR	179	-0.32617	-111,304	0.34638	0.776557	Increased Expression with Increasing Exponent
KEGG_ERBB_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ERBB_SIGNALING_PATHWAY	278	-0.253911	-11,122	0.277992	0.776578	Increased Expression with Increasing Exponent
REACTOME_PIB3_AKT_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PIB3_AKT_ACTIVATION	115	-0.418337	-14,695	0.0898662	0.776611	Increased Expression with Increasing Exponent
REACTOME_IL_6_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IL_6_SIGNALING	39	-0.48097	-138,773	0.127273	0.776628	Increased Expression with Increasing Exponent
AIYAR_COBRA1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/AIYAR_COBRA1_TARGETS_UP	90	-0.299429	-110,535	0.320537	0.77663	Increased Expression with Increasing Exponent
ZERBINI_RESPONSE_TO_SULINDAC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZERBINI_RESPONSE_TO_SULINDAC_UP	22	-0.428498	-111,272	0.378099	0.776641	Increased Expression with Increasing Exponent
MENSE_HYPOXIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MENSE_HYPOXIA_UP	277	-0.331257	-108,721	0.396414	0.776668	Increased Expression with Increasing Exponent
NABA_COLLAGENS	http://www.broadinstitute.org/gsea/msigdb/cards/NABA_COLLAGENS	111	-0.401743	-121,259	0.296875	0.776674	Increased Expression with Increasing Exponent
REACTOME_CD28_CO_STIMULATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CD28_CO_STIMULATION	102	-0.385918	-152,961	0.0494071	0.77669	Increased Expression with Increasing Exponent
ZHOU_TNF_SIGNALING_4HR	http://www.broadinstitute.org/gsea/msigdb/cards/ZHOU_TNF_SIGNALING_4HR	137	-0.381232	-138,309	0.130518	0.776717	Increased Expression with Increasing Exponent
VERRECCHIA_DELAYED_RESPONSE_TO_TGFB1	http://www.broadinstitute.org/gsea/msigdb/cards/VERRECCHIA_DELAYED_RESPONSE_TO_TGFB1	105	-0.337303	-114,812	0.294355	0.77673	Increased Expression with Increasing Exponent
KANG_AR_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_AR_TARGETS_DN	45	-0.413466	-11,398	0.342412	0.77674	Increased Expression with Increasing Exponent
BIOCARTA_TNFR2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TNFR2_PATHWAY	34	-0.46673	-13,846	0.133333	0.776755	Increased Expression with Increasing Exponent
FERRANDO_TAL1_NEIGHBORS	http://www.broadinstitute.org/gsea/msigdb/cards/FERRANDO_TAL1_NEIGHBORS	59	-0.351271	-108,117	0.372745	0.776755	Increased Expression with Increasing Exponent
TURJANSKI_MAPK1_AND_MAPK2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/TURJANSKI_MAPK1_AND_MAPK2_TARGETS	37	-0.356122	-11,458	0.304348	0.776758	Increased Expression with Increasing Exponent
BIOCARTA_ARF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ARF_PATHWAY	51	-0.473028	-135,561	0.158103	0.776847	Increased Expression with Increasing Exponent
BOQUEST_STEM_CELL_CULTURED_VS_FRESH_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOQUEST_STEM_CELL_CULTURED_VS_FRESH_DN	63	-0.466191	-138,404	0.134503	0.776874	Increased Expression with Increasing Exponent
HUANG_GATA2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUANG_GATA2_TARGETS_UP	353	-0.292249	-111,592	0.334623	0.776884	Increased Expression with Increasing Exponent
PID_ATF2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ATF2_PATHWAY	175	-0.324287	-13,656	0.0946502	0.776896	Increased Expression with Increasing Exponent
VERRECCHIA_EARLY_RESPONSE_TO_TGFB1	http://www.broadinstitute.org/gsea/msigdb/cards/VERRECCHIA_EARLY_RESPONSE_TO_TGFB1	198	-0.312278	-108,162	0.352827	0.776911	Increased Expression with Increasing Exponent
PASTURAL_RIZ1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PASTURAL_RIZ1_TARGETS_DN	16	-0.537636	-114,435	0.358779	0.776923	Increased Expression with Increasing Exponent
CROMER_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CROMER_METASTASIS_UP	199	-0.273276	-114,775	0.243083	0.776935	Increased Expression with Increasing Exponent
BRUNO_HEMATOPOIESIS	http://www.broadinstitute.org/gsea/msigdb/cards/BRUNO_HEMATOPOIESIS	150	-0.365336	-145,334	0.050505	0.776947	Increased Expression with Increasing Exponent
REACTOME_PHOSPHORYLATION_OF_CD3_AND_TCR_ZETA_CHAINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PHOSPHORYLATION_OF_CD3_AND_TCR_	32	-0.51076	-114,543	0.37551	0.77697	Increased Expression with Increasing Exponent
CEBALLOS_TARGETS_OF_TP53_AND_MYC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CEBALLOS_TARGETS_OF_TP53_AND_MYC_DN	93	-0.33858	-121,313	0.213307	0.776979	Increased Expression with Increasing Exponent
PID_BCR_5PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_BCR_5PATHWAY	185	-0.428092	-162,077	0.0195312	0.777004	Increased Expression with Increasing Exponent
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_2NM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_2	60	-0.35616	-136,601	0.0854369	0.777011	Increased Expression with Increasing Exponent
CHIARETTI_ACUTE_LYMPHOBLASTIC_LEUKEMIA_ZAP70	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARETTI_ACUTE_LYMPHOBLASTIC_LEUKEMIA_ZAP7	170	-0.246597	-110,601	0.266798	0.777016	Increased Expression with Increasing Exponent
MCMURRAY_TP53_HRAS_COOPERATION_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCMURRAY_TP53_HRAS_COOPERATION_RESPONSE_	65	-0.336863	-11,123	0.312871	0.777028	Increased Expression with Increasing Exponent
MATZUK_OVULATION	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_OVULATION	39	-0.351292	-11,175	0.343313	0.777047	Increased Expression with Increasing Exponent
REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATED_FGFR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DOWNSTREAM_SIGNALING_OF_ACTIVATI	293	-0.243082	-108,129	0.313253	0.777067	Increased Expression with Increasing Exponent
REACTOME_VEGF_LIGAND_RECEPTOR_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_VEGF_LIGAND_RECEPTOR_INTERACTIONS	34	-0.432082	-110,844	0.404175	0.777076	Increased Expression with Increasing Exponent
REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2_SMAD3_SMAD4_HE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSCRIPTIONAL_ACTIVITY_OF_SMAD2	108	-0.460637	-16,871	0.00787402	0.777093	Increased Expression with Increasing Exponent
WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_UP	81	-0.340586	-110,569	0.361165	0.777134	Increased Expression with Increasing Exponent
REACTOME_ADENYLATE_CYCLASE_INHIBITORY_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ADENYLATE_CYCLASE_INHIBITORY_PATH	30	-0.369337	-112,522	0.317121	0.777146	Increased Expression with Increasing Exponent
KORKOLA_CHORIOCARCINOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_CHORIOCARCINOMA_DN	26	-0.407683	-113,764	0.330784	0.777204	Increased Expression with Increasing Exponent
VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VART_KSHV_INFECTION_ANGIOGENIC_MARKERS_DN	371	-0.324064	-136,118	0.07393	0.777238	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_16	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CL	199	-0.330303	-110,537	0.333333	0.77724	Increased Expression with Increasing Exponent
RODRIGUES_DCC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RODRIGUES_DCC_TARGETS_DN	419	-0.236155	-108,722	0.298039	0.777252	Increased Expression with Increasing Exponent
NIELSEN_LEIOMYOSARCOMA_CNN1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_LEIOMYOSARCOMA_CNN1_DN	71	-0.309861	-108,171	0.358452	0.777301	Increased Expression with Increasing Exponent
PID_GMCSF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_GMCSF_PATHWAY	104	-0.460324	-16,673	0.0205607	0.777318	Increased Expression with Increasing Exponent
LUND_SILENCED_BY_METHYLATION	http://www.broadinstitute.org/gsea/msigdb/cards/LUND_SILENCED_BY_METHYLATION	38	-0.378852	-113,702	0.31643	0.777323	Increased Expression with Increasing Exponent
REACTOME_PIB3_EVENTS_IN_ERBB2_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PIB3_EVENTS_IN_ERBB2_SIGNALING	149	-0.362805	-136,784	0.0912621	0.777357	Increased Expression with Increasing Exponent
PID_SYNDECAN_1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_SYNDECAN_1_PATHWAY	121	-0.505654	-153,032	0.0948767	0.777382	Increased Expression with Increasing Exponent
BIOCARTA_TPO_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TPO_PATHWAY	74	-0.347417	-121,333	0.229862	0.777405	Increased Expression with Increasing Exponent
LI_WILMS_TUMOR_ANAPLASTIC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LI_WILMS_TUMOR_ANAPLASTIC_DN	22	-0.409592	-112,454	0.349901	0.777416	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_2	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_2	193	-0.322135	-121,363	0.226824	0.777434	Increased Expression with Increasing Exponent
CHEN_LUNG_CANCER_SURVIVAL	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_LUNG_CANCER_SURVIVAL	79	-0.378869	-112,565	0.355469	0.777447	Increased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_POLYSOMY7_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_POLYSOMY7_DN	56	-0.352121	-111,761	0.33871	0.777449	Increased Expression with Increasing Exponent
CASORELLI_APL_SECONDARY_VS_DE_NOVO_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CASORELLI_APL_SECONDARY_VS_DE_NOVO_UP	94	-0.310845	-10,806	0.378431	0.777462	Increased Expression with Increasing Exponent
DUTTA_APOPTOSIS_VIA_NFKB	http://www.broadinstitute.org/gsea/msigdb/cards/DUTTA_APOPTOSIS_VIA_NFKB	115	-0.349328	-113,067	0.331407	0.77748	Increased Expression with Increasing Exponent
PID_S1P_S1P3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_S1P_S1P3_PATHWAY	94	-0.295996	-108,032	0.339251	0.777487	Increased Expression with Increasing Exponent
XU_HGF_TARGETS_INDUCED_BY_AKT1_6HR	http://www.broadinstitute.org/gsea/msigdb/cards/XU_HGF_TARGETS_INDUCED_BY_AKT1_6HR	53	-0.366291	-111,595	0.3222	0.777505	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_8	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_8	33	-0.385176	-110,853	0.345631	0.777527	Increased Expression with Increasing Exponent
MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCBRYAN_PUBERTAL_TGFB1_TARGETS_UP	492	-0.282007	-112,703	0.305668	0.777538	Increased Expression with Increasing Exponent
GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION	470	-0.301523	-112,591	0.331313	0.77754	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_FGFR1_MUTANTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_FGFR1_MUTANTS	87	-0.290341	-110,441	0.330059	0.777546	Increased Expression with Increasing Exponent
BAE_BRCA1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BAE_BRCA1_TARGETS_DN	98	-0.377615	-153,559	0.0318091	0.777551	Increased Expression with Increasing Exponent
DELACROIX_RAR_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DELACROIX_RAR_TARGETS_DN	82	-0.361679	-138,851	0.0930693	0.777584	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_2	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_2	21	-0.340006	-112,533	0.348425	0.777597	Increased Expression with Increasing Exponent
PID_VEGFR1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_VEGFR1_PATHWAY	93	-0.306601	-108,182	0.350575	0.777609	Increased Expression with Increasing Exponent
PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_UP	78	-0.320775	-110,603	0.308448	0.777611	Increased Expression with Increasing Exponent
LA_MEN1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/LA_MEN1_TARGETS	57	-0.335721	-114,436	0.296537	0.777627	Increased Expression with Increasing Exponent
KIM_MYCN_AMPLIFICATION_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_MYCN_AMPLIFICATION_TARGETS_UP	219	-0.240447	-109,048	0.292247	0.777644	Increased Expression with Increasing Exponent
SIMBULAN_UV_RESPONSE_NORMAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SIMBULAN_UV_RESPONSE_NORMAL_UP	16	-0.517206	-136,436	0.140713	0.777656	Increased Expression with Increasing Exponent
REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_SUBSTRATE_TO_CCT_1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_S	59	-0.398323	-110,643	0.349693	0.777707	Increased Expression with Increasing Exponent
BIOCARTA_FMLP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_FMLP_PATHWAY	96	-0.370426	-138,329	0.11	0.777756	Increased Expression with Increasing Exponent
FLECHNER_PBL_KIDNEY_TRANSPLANT_OK_VS_DONOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FLECHNER_PBL_KIDNEY_TRANSPLANT_OK_VS_DONOR	123	-0.302686	-110,323	0.328872	0.777765	Increased Expression with Increasing Exponent
KIM_MYCL1_AMPLIFICATION_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_MYCL1_AMPLIFICATION_TARGETS_DN	57	-0.324923	-112,468	0.307385	0.777769	Increased Expression with Increasing Exponent
REACTOME_IKK_COMPLEX_RECRUITMENT_MEDIATED_BY_RIP1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IKK_COMPLEX_RECRUITMENT_MEDIATED	20	-0.480076	-111,775	0.367347	0.777795	Increased Expression with Increasing Exponent
ST_INTERFERON_GAMMA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_INTERFERON_GAMMA_PATHWAY	29	-0.413491	-113,709	0.324952	0.777833	Increased Expression with Increasing Exponent
ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ABRAHAM_ALPC_VS_MULTIPLE_MYELOMA_UP	94	-0.340652	-110,648	0.359528	0.777836	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_1	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_1	112	-0.303275	-108,723	0.344196	0.77784	Increased Expression with Increasing Exponent
THILLAINADESAN_ZNF217_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/THILLAINADESAN_ZNF217_TARGETS_UP	124	-0.304366	-112,663	0.306773	0.77786	Increased Expression with Increasing Exponent
BIOCARTA_SODD_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SODD_PATHWAY	18	-0.469044	-114,455	0.327416	0.777864	Increased Expression with Increasing Exponent
ST_GAQ_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_GAQ_PATHWAY	79	-0.315184	-113,766	0.296223	0.777874	Increased Expression with Increasing Exponent
KREPEPEL_CD99_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KREPEPEL_CD99_TARGETS_UP	23	-0.384551	-10,791	0.38013	0.777886	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_4_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_4_DN	23	-0.36192	-112,633	0.305019	0.777895	Increased Expression with Increasing Exponent
RIZ_ERYTHROID_DIFFERENTIATION_APOBEC2	http://www.broadinstitute.org/gsea/msigdb/cards/RIZ_ERYTHROID_DIFFERENTIATION_APOBEC2	62	-0.300199	-112,604	0.271375	0.777897	Increased Expression with Increasing Exponent
FUKUSHIMA_TNFSF11_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/FUKUSHIMA_TNFSF11_TARGETS	45	-0.301327	-11,185	0.300601	0.77793	Increased Expression with Increasing Exponent
ZUCCHI_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZUCCHI_METASTASIS_DN	95	-0.348635	-113,248	0.328767	0.777937	Increased Expression with Increasing Exponent
REACTOME_SMOOTH_MUSCLE_CONTRACTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SMOOTH_MUSCLE_CONTRACTION	86	-0.339627	-110,671	0.343313	0.777945	Increased Expression with Increasing Exponent
ZHANG_ADIPOGENESIS_BY_BMP7	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_ADIPOGENESIS_BY_BMP7	37	-0.424055	-136,145	0.129482	0.777951	Increased Expression with Increasing Exponent
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCTAL_NORMAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_DUCT	136	-0.346214	-10,796	0.385659	0.777954	Increased Expression with Increasing Exponent
MARIADASON_RESPONSE_TO_BUTYRATE_CURCUMIN_SULINDAC_TSA_1	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_RESPONSE_TO_BUTYRATE_CURCUMIN	17	-0.657446	-151,853	0.0817121	0.777992	Increased Expression with Increasing Exponent
KORKOLA_YOLK_SAC_TUMOR	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_YOLK_SAC_TUMOR	150	-0.264922	-108,819	0.339181	0.778	Increased Expression with Increasing Exponent
REACTOME_MYD88_MAL_CASCADE_INITIATED_ON_PLASMA_MEMBRANE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MYD88_MAL_CASCADE_INITIATED_ON_P	210	-0.267058	-108,767	0.318725	0.778004	Increased Expression with Increasing Exponent
STEARMAN_LUNG_CANCER_EARLY_VS_LATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STEARMAN_LUNG_CANCER_EARLY_VS_LATE_DN	129	-0.315879	-113,073	0.333333	0.778019	Increased Expression with Increasing Exponent
REACTOME_NONSENSE_MEDIATED_DECAY_ENHANCED_BY_THE_EXON_JU	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NONSENSE_MEDIATED_DECAY_ENHANCE	261	-0.398078	-111,793	0.404	0.778023	Increased Expression with Increasing Exponent
HAHTOLA_MYCOSIS_FUNGOIDES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_MYCOSIS_FUNGOIDES_UP	49	-0.357388	-113,646	0.305609	0.778038	Increased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_8HR_5_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_8HR_5_UP	43	-0.364087	-1,119	0.351129	0.778043	Increased Expression with Increasing Exponent
GYORFFY_DOXORUBICIN_RESISTANCE	http://www.broadinstitute.org/gsea/msigdb/cards/GYORFFY_DOXORUBICIN_RESISTANCE	148	-0.357763	-154,072	0.0083682	0.778047	Increased Expression with Increasing Exponent

BIOCARTA_BLYMPHOCYTE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_BLYMPHOCYTE_PATHWAY	37	-0.453651	-111,819	0.38856	0.778075	Increased Expression with Increasing Exponent
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_UP	191	-0.407116	-107,927	0.44	0.778102	Increased Expression with Increasing Exponent
AGARWAL_AKT_PATHWAY_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/AGARWAL_AKT_PATHWAY_TARGETS	20	-0.404259	-10,798	0.385714	0.77811	Increased Expression with Increasing Exponent
REACTOME_REGULATORY_RNA_PATHWAYS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATORY_RNA_PATHWAYS	62	-0.335737	-108,185	0.369919	0.778135	Increased Expression with Increasing Exponent
SARTIPY_BLUNTED_BY_INSULIN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SARTIPY_BLUNTED_BY_INSULIN_RESISTANCE_UP	48	-0.362153	-110,608	0.342685	0.778142	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_HIPPO	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_HIPPO	62	-0.308021	-111,925	0.308489	0.778155	Increased Expression with Increasing Exponent
GENTILE_UV_LOW_DOSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_LOW_DOSE_UP	56	-0.320556	-112,706	0.306931	0.778172	Increased Expression with Increasing Exponent
WEINMANN_ADAPTATION_TO_HYPOXIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WEINMANN_ADAPTATION_TO_HYPOXIA_UP	80	-0.308424	-111,867	0.294118	0.778202	Increased Expression with Increasing Exponent
KRASNOSELSKAYA_ILF3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KRASNOSELSKAYA_ILF3_TARGETS_UP	85	-0.379801	-10,905	0.372781	0.778227	Increased Expression with Increasing Exponent
BIOCARTA_TCR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TCR_PATHWAY	119	-0.344215	-136,809	0.0838095	0.778231	Increased Expression with Increasing Exponent
WANG_RESPONSE_TO_BEXAROTENE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_RESPONSE_TO_BEXAROTENE_DN	75	-0.310337	-108,782	0.348178	0.77828	Increased Expression with Increasing Exponent
ROZANOV_MMP14_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ROZANOV_MMP14_TARGETS_DN	80	-0.298943	-110,328	0.351456	0.778298	Increased Expression with Increasing Exponent
OUYANG_PROSTATE_CANCER_PROGRESSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OUYANG_PROSTATE_CANCER_PROGRESSION_UP	104	-0.300247	-111,947	0.308163	0.7783	Increased Expression with Increasing Exponent
WILENSKY_RESPONSE_TO_DARAPLADIB	http://www.broadinstitute.org/gsea/msigdb/cards/WILENSKY_RESPONSE_TO_DARAPLADIB	64	-0.456601	-113,549	0.389558	0.778304	Increased Expression with Increasing Exponent
REACTOME_NUCLEOTIDE_LIKE_PURINERGIC_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NUCLEOTIDE_LIKE_PURINERGIC_RECEPTC	22	-0.3951	-108,729	0.358416	0.778309	Increased Expression with Increasing Exponent
PID_ANTHRAX_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ANTHRAX_PATHWAY	52	-0.451604	-145,365	0.0910891	0.778319	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_40_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_40_MCF10A	58	-0.489402	-13,847	0.184891	0.778327	Increased Expression with Increasing Exponent
HAMAI_APOPTOSIS_VIA_TRAIL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HAMAI_APOPTOSIS_VIA_TRAIL_DN	369	-0.258986	-108,828	0.33996	0.778395	Increased Expression with Increasing Exponent
BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_C	http://www.broadinstitute.org/gsea/msigdb/cards/BRUINS_UVC_RESPONSE_VIA_TP53_GROUP_C	199	-0.237728	-108,435	0.283401	0.778411	Increased Expression with Increasing Exponent
BIOCARTA_HCMV_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_HCMV_PATHWAY	49	-0.356278	-113,257	0.3125	0.77843	Increased Expression with Increasing Exponent
FONTAINE_FOLLICULAR_THYROID_ADENOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FONTAINE_FOLLICULAR_THYROID_ADENOMA_UP	182	-0.237359	-110,677	0.236253	0.778451	Increased Expression with Increasing Exponent
ZHANG_BREAST_CANCER_PROGENITORS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_BREAST_CANCER_PROGENITORS_DN	362	-0.243656	-113,571	0.2251	0.77849	Increased Expression with Increasing Exponent
ABE_VEGFA_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/ABE_VEGFA_TARGETS	43	-0.374345	-112,776	0.326376	0.778491	Increased Expression with Increasing Exponent
LU_TUMOR_VASCULATURE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LU_TUMOR_VASCULATURE_UP	64	-0.518938	-145,753	0.113772	0.778495	Increased Expression with Increasing Exponent
KIM_PTEN_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_PTEN_TARGETS_DN	17	-0.495249	-113,314	0.358238	0.778501	Increased Expression with Increasing Exponent
PARK_TRETINOIN_RESPONSE_AND_PML_RARA_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_TRETINOIN_RESPONSE_AND_PML_RARA_FUSIO	52	-0.492867	-138,515	0.15739	0.778501	Increased Expression with Increasing Exponent
REACTOME_ACTIVATED_TLR4_SIGNALLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATED_TLR4_SIGNALLING	226	-0.279677	-112,805	0.302372	0.778511	Increased Expression with Increasing Exponent
NADELLA_PRKARIA_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NADELLA_PRKARIA_TARGETS_DN	24	-0.445744	-114,458	0.340551	0.778514	Increased Expression with Increasing Exponent
LI_CISPLATIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LI_CISPLATIN_RESISTANCE_DN	81	-0.292762	-112,718	0.3	0.778549	Increased Expression with Increasing Exponent
BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_24HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MC	34	-0.334518	-113,281	0.319767	0.778578	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_CD1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_CD1_DN	123	-0.274831	-10,887	0.315992	0.778601	Increased Expression with Increasing Exponent
SCHAEFFER_SOX9_TARGETS_IN_PROSTATE_DEVELOPMENT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_SOX9_TARGETS_IN_PROSTATE_DEVELOP	74	-0.302311	-108,191	0.327198	0.778603	Increased Expression with Increasing Exponent
PID_INTEGRIN3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INTEGRIN3_PATHWAY	138	-0.353558	-113,077	0.366472	0.778629	Increased Expression with Increasing Exponent
KEGG_NON_SMALL_CELL_LUNG_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NON_SMALL_CELL_LUNG_CANCER	178	-0.257913	-113,339	0.251473	0.778649	Increased Expression with Increasing Exponent
DORN_ADENOVIRUS_INFECTION_32HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DORN_ADENOVIRUS_INFECTION_32HR_UP	22	-0.390557	-113,103	0.296226	0.77867	Increased Expression with Increasing Exponent
TRAYNOR_RETT_SYNDROM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TRAYNOR_RETT_SYNDROM_UP	130	-0.402859	-13,617	0.140625	0.778699	Increased Expression with Increasing Exponent
INAMURA_LUNG_CANCER_SCC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/INAMURA_LUNG_CANCER_SCC_DN	39	-0.353585	-10,892	0.336557	0.778715	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_HP_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_HP_UP	117	-0.289881	-109,136	0.341699	0.778722	Increased Expression with Increasing Exponent
PID_BETA_CATENIN_NUC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_BETA_CATENIN_NUC_PATHWAY	210	-0.25484	-10,911	0.327935	0.778732	Increased Expression with Increasing Exponent
REACTOME_TIE2_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TIE2_SIGNALING	43	-0.338872	-109,055	0.34275	0.778742	Increased Expression with Increasing Exponent
PID_HIV_NEF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HIV_NEF_PATHWAY	92	-0.32647	-111,983	0.311741	0.778765	Increased Expression with Increasing Exponent
SWEET_KRAS_ONCOGENIC_SIGNATURE	http://www.broadinstitute.org/gsea/msigdb/cards/SWEET_KRAS_ONCOGENIC_SIGNATURE	210	-0.275204	-110,334	0.350097	0.778774	Increased Expression with Increasing Exponent
PID_S1P_META_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_S1P_META_PATHWAY	49	-0.342757	-108,836	0.371429	0.778826	Increased Expression with Increasing Exponent
DIRMEIER_LMP1_RESPONSE_LATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DIRMEIER_LMP1_RESPONSE_LATE_DN	77	-0.327088	-111,954	0.322068	0.778836	Increased Expression with Increasing Exponent
REACTOME_TOLL_RECEPTOR_CASCADES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TOLL_RECEPTOR_CASCADES	283	-0.285993	-113,585	0.320792	0.778839	Increased Expression with Increasing Exponent
LIAN_NEUTROPHIL GRANULE CONSTITUENTS	http://www.broadinstitute.org/gsea/msigdb/cards/LIAN_NEUTROPHIL GRANULE CONSTITUENTS	49	-0.416498	-112,847	0.380671	0.778867	Increased Expression with Increasing Exponent
BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BERTUCCI_MEDULLARY_VS_DUCTAL_BREAST_CANCEF	498	-0.265802	-112,732	0.291585	0.778919	Increased Expression with Increasing Exponent
BIOCARTA_IL5_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL5_PATHWAY	22	-0.474206	-113,411	0.362376	0.778938	Increased Expression with Increasing Exponent
ASGHARZADEH_NEUROBLASTOMA_POOR_SURVIVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ASGHARZADEH_NEUROBLASTOMA_POOR_SURVIVAL	133	-0.273899	-108,438	0.368737	0.778947	Increased Expression with Increasing Exponent
VANASSE_BCL2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANASSE_BCL2_TARGETS_DN	185	-0.271716	-112,815	0.275654	0.77896	Increased Expression with Increasing Exponent
LEE_EARLY_T_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_EARLY_T_LYMPHOCYTE_DN	151	-0.349639	-108,881	0.378758	0.778964	Increased Expression with Increasing Exponent
YIH_RESPONSE_TO_ARSENITE_C3	http://www.broadinstitute.org/gsea/msigdb/cards/YIH_RESPONSE_TO_ARSENITE_C3	100	-0.399683	-145,477	0.0650096	0.778965	Increased Expression with Increasing Exponent
SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_2FC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_2F	58	-0.352398	-1.12	0.339251	0.778994	Increased Expression with Increasing Exponent
BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BEGUM_TARGETS_OF_PAX3_FOXO1_FUSION_DN	112	-0.312468	-108,934	0.369352	0.779	Increased Expression with Increasing Exponent
PID_DELTA_NP63_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_DELTA_NP63_PATHWAY	156	-0.362095	-14,696	0.0477064	0.779007	Increased Expression with Increasing Exponent
WANG_METASTASIS_OF_BREAST_CANCER_ESR1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_METASTASIS_OF_BREAST_CANCER_ESR1_DN	87	-0.339662	-109,069	0.37251	0.779032	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_11	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_11	160	-0.278609	-108,197	0.340594	0.779052	Increased Expression with Increasing Exponent
LABBE_TARGETS_OF_TGFB1_AND_WNT3A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LABBE_TARGETS_OF_TGFB1_AND_WNT3A_UP	275	-0.286606	-110,679	0.334669	0.779058	Increased Expression with Increasing Exponent
GNATENKO_PLATELET_SIGNATURE	http://www.broadinstitute.org/gsea/msigdb/cards/GNATENKO_PLATELET_SIGNATURE	141	-0.417422	-138,604	0.136821	0.779059	Increased Expression with Increasing Exponent
CEBALLOS_TARGETS_OF_TP53_AND_MYC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CEBALLOS_TARGETS_OF_TP53_AND_MYC_UP	43	-0.36415	-113,115	0.32948	0.779089	Increased Expression with Increasing Exponent
GROSS_HIF1A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HIF1A_TARGETS_DN	63	-0.393025	-107,214	0.403101	0.779092	Increased Expression with Increasing Exponent
AMIT_SERUM_RESPONSE_120_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_SERUM_RESPONSE_120_MCF10A	156	-0.395317	-145,409	0.097561	0.779094	Increased Expression with Increasing Exponent
PID_CD8_TCR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CD8_TCR_PATHWAY	135	-0.314833	-113,348	0.305284	0.779106	Increased Expression with Increasing Exponent
DELACROIX_RAR_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DELACROIX_RAR_TARGETS_UP	115	-0.32235	-110,348	0.340467	0.779114	Increased Expression with Increasing Exponent
BIOCARTA_TH1TH2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TH1TH2_PATHWAY	38	-0.443745	-112,864	0.360236	0.779117	Increased Expression with Increasing Exponent
DAZARD_UV_RESPONSE_CLUSTER_G3	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_UV_RESPONSE_CLUSTER_G3	36	-0.371708	-108,302	0.374757	0.779131	Increased Expression with Increasing Exponent
KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PR	101	-0.399223	-109,144	0.421782	0.77914	Increased Expression with Increasing Exponent
REACTOME_IL1_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IL1_SIGNALING	96	-0.295585	-108,452	0.362	0.779229	Increased Expression with Increasing Exponent
REACTOME_TRYPTOPHAN_CATABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRYPTOPHAN_CATABOLISM	19	-0.518944	-138,548	0.131631	0.77925	Increased Expression with Increasing Exponent
DALESSIO_TSA_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/DALESSIO_TSA_RESPONSE	60	-0.45695	-145,668	0.106	0.779336	Increased Expression with Increasing Exponent
REACTOME_PEPTIDE_CHAIN_ELONGATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PEPTIDE_CHAIN_ELONGATION	214	-0.412932	-108,947	0.421965	0.779363	Increased Expression with Increasing Exponent
REACTOME_NFKB_AND_MAP_KINASES_ACTIVATION_MEDIATED_BY_TLR4	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NFKB_AND_MAP_KINASES_ACTIVATION	187	-0.268172	-107,795	0.330661	0.779363	Increased Expression with Increasing Exponent
KYNG_DNA_DAMAGE_BY_4NQO_OR_GAMMA_RADIATION	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_DNA_DAMAGE_BY_4NQO_OR_GAMMA_RADIA	55	-0.336774	-113,449	0.287129	0.779363	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_30MIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_30MIN_DN	355	-0.20658	-107,229	0.281426	0.779366	Increased Expression with Increasing Exponent
LEE_AGING_NEOCORTEX_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_AGING_NEOCORTEX_UP	215	-0.265721	-108,578	0.341463	0.779374	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_E2F1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_E2F1_UP	139	-0.327279	-112,014	0.331395	0.779375	Increased Expression with Increasing Exponent
KEGG_O_GLYCAN_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_O_GLYCAN_BIOSYNTHESIS	59	-0.329578	-108,318	0.372401	0.779393	Increased Expression with Increasing Exponent
BIOCARTA_AHSP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AHSP_PATHWAY	29	-0.543945	-136,293	0.192469	0.779402	Increased Expression with Increasing Exponent
PID_IL1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL1_PATHWAY	94	-0.377978	-136,197	0.109312	0.779422	Increased Expression with Increasing Exponent
WONG_IFNA2_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WONG_IFNA2_RESISTANCE_UP	50	-0.347616	-113,365	0.325536	0.779452	Increased Expression with Increasing Exponent
YAGI_AML_WITH_T_9_11_TRANSLOCATION	http://www.broadinstitute.org/gsea/msigdb/cards/YAGI_AML_WITH_T_9_11_TRANSLOCATION	358	-0.23177	-109,341	0.266925	0.779496	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_AMPK_ACTIVITY_VIA_LKB1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_AMPK_ACTIVITY_VIA_L	41	-0.354568	-107,296	0.410309	0.779513	Increased Expression with Increasing Exponent
BIOCARTA_NKCELLS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NKCELLS_PATHWAY	45	-0.376104	-108,334	0.391039	0.779571	Increased Expression with Increasing Exponent
PID_ARF6_DOWNSTREAM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ARF6_DOWNSTREAM_PATHWAY	52	-0.327819	-113,414	0.316479	0.779573	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_5_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_5_UP	37	-0.651965	-186,068	0.011236	0.779573	Increased Expression with Increasing Exponent
ROSS_AML_WITH_MLL_FUSIONS	http://www.broadinstitute.org/gsea/msigdb/cards/ROSS_AML_WITH_MLL_FUSIONS	156	-0.316583	-1,082	0.36714	0.779593	Increased Expression with Increasing Exponent
REACTOME_NOD1_2_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NOD1_2_SIGNALING_PATHWAY	85	-0.325295	-108,359	0.369565	0.779596	Increased Expression with Increasing Exponent
FRASOR_RESPONSE_TO ESTRADIOL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FRASOR_RESPONSE_TO ESTRADIOL_UP	102	-0.284086	-109,256	0.336557	0.779605	Increased Expression with Increasing Exponent
XU_HGF_TARGETS_INDUCED_BY_AKT1_48HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/XU_HGF_TARGETS_INDUCED_BY_AKT1_48HR_UP	34	-0.368365	-109,177	0.352113	0.779621	Increased Expression with Increasing Exponent
HOFMANN_MYELODYSPLASTIC_SYNDROM_RISK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFMANN_MYELODYSPLASTIC_SYNDROM_RISK_UP	45	-0.30558	-109,149	0.319231	0.779656	Increased Expression with Increasing Exponent
REACTOME_SHC_RELATED_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SHC_RELATED_EVENTS	49	-0.332469	-10,957	0.355212	0.77966	Increased Expression with Increasing Exponent
KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_UP	315	-0.273421	-109,545	0.345238	0.779668	Increased Expression with Increasing Exponent
LIANG_SILENCED_BY_METHYLATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIANG_SILENCED_BY_METHYLATION_UP	74	-0.336589	-107,807	0.361829	0.779681	Increased Expression with Increasing Exponent
BIOCARTA_P38MAPK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_P38MAPK_PATHWAY	111	-0.314298	-112,869	0.299389	0.779682	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_CHAPERONES_BY_ATF6_ALPHA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_CHAPERONES_BY_ATF6	33	-0.385993	-113,119	0.324952	0.779695	Increased Expression with Increasing Exponent
KARAKAS_TGFB1_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/KARAKAS_TGFB1_SIGNALING	45	-0.35724	-109,595	0.364892	0.779699	Increased Expression with Increasing Exponent
HOWLIN_CITED1_TARGETS_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOWLIN_CITED1_TARGETS_2_UP	64	-0.468604	-145,588	0.0991736	0.779712	Increased Expression with Increasing Exponent
REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING	97	-0.280247	-108,458	0.322957	0.779712	Increased Expression with Increasing Exponent

LIM_MAMMARY_LUMINAL_PROGENITOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIM_MAMMARY_LUMINAL_PROGENITOR_DN	51	-0.328717	-112,925	0.283976	0.779723	Increased Expression with Increasing Exponent
PID_PS1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_PS1_PATHWAY	128	-0.278772	-109,647	0.327968	0.779729	Increased Expression with Increasing Exponent
BIOCARTA_BARRESTIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_BARRESTIN_PATHWAY	46	-0.37122	-109,226	0.376238	0.779733	Increased Expression with Increasing Exponent
WIERENGA_STAT5A_TARGETS_GROUP1	http://www.broadinstitute.org/gsea/msigdb/cards/WIERENGA_STAT5A_TARGETS_GROUP1	301	-0.245597	-107,238	0.335922	0.779742	Increased Expression with Increasing Exponent
MUELLER_COMMON_TARGETS_OF_AML_FUSIONS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MUELLER_COMMON_TARGETS_OF_AML_FUSIONS_UP	42	-0.357081	-11,233	0.327236	0.779758	Increased Expression with Increasing Exponent
KORKOLA_EMBRYONIC_CARCIOMA_VS_SEMINOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_EMBRYONIC_CARCIOMA_VS_SEMINOMA_DN	47	-0.352108	-11,346	0.318275	0.779774	Increased Expression with Increasing Exponent
JUBAN_TARGETS_OF_SPI1_AND_FL11_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JUBAN_TARGETS_OF_SPI1_AND_FL11_DN	231	-0.274258	-107,134	0.358566	0.779813	Increased Expression with Increasing Exponent
LANDEMAINE_LUNG_METASTASIS	http://www.broadinstitute.org/gsea/msigdb/cards/LANDEMAINE_LUNG_METASTASIS	59	-0.445848	-154,127	0.043152	0.779832	Increased Expression with Increasing Exponent
THUM_MIR21_TARGETS_HEART_DISEASE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/THUM_MIR21_TARGETS_HEART_DISEASE_DN	25	-0.377548	-112,022	0.341102	0.779854	Increased Expression with Increasing Exponent
BILD_CTNNB1_ONCOGENIC_SIGNATURE	http://www.broadinstitute.org/gsea/msigdb/cards/BILD_CTNNB1_ONCOGENIC_SIGNATURE	318	-0.288745	-112,267	0.305499	0.779858	Increased Expression with Increasing Exponent
WU_CELL_MIGRATION	http://www.broadinstitute.org/gsea/msigdb/cards/WU_CELL_MIGRATION	464	-0.290687	-107,156	0.396794	0.779894	Increased Expression with Increasing Exponent
KAMIKUBO_MYELOID_MN1_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/KAMIKUBO_MYELOID_MN1_NETWORK	63	-0.310952	-109,192	0.338086	0.779901	Increased Expression with Increasing Exponent
BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_DN	153	-0.292525	-107,304	0.366197	0.77992	Increased Expression with Increasing Exponent
JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JAZAERI_BREAST_CANCER_BRCA1_VS_BRCA2_UP	136	-0.353779	-136,232	0.0853659	0.779923	Increased Expression with Increasing Exponent
REACTOME_PLATELET_AGGREGATION_PLUG_FORMATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PLATELET_AGGREGATION_PLUG_FORMATION	102	-0.297874	-109,294	0.341847	0.77995	Increased Expression with Increasing Exponent
BIOCARTA_AT1R_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AT1R_PATHWAY	115	-0.289939	-107,253	0.356108	0.779964	Increased Expression with Increasing Exponent
PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_DN	79	-0.32339	-113,138	0.302326	0.779967	Increased Expression with Increasing Exponent
SMID_BREAST_CANCER_LUMINAL_A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_LUMINAL_A_UP	224	-0.297057	-109,348	0.347328	0.779968	Increased Expression with Increasing Exponent
SMIRNOV_RESPONSE_TO_IR_2HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMIRNOV_RESPONSE_TO_IR_2HR_UP	131	-0.303644	-107,329	0.349421	0.779993	Increased Expression with Increasing Exponent
BIOCARTA_VIP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_VIP_PATHWAY	66	-0.314167	-109,263	0.337812	0.780067	Increased Expression with Increasing Exponent
GAVIN_FOXP3_TARGETS_CLUSTER_T4	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_FOXP3_TARGETS_CLUSTER_T4	245	-0.25229	-109,605	0.293307	0.780108	Increased Expression with Increasing Exponent
STEARMAN_LUNG_CANCER_EARLY_VS_LATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STEARMAN_LUNG_CANCER_EARLY_VS_LATE_UP	390	-0.24971	-108,202	0.320388	0.780148	Increased Expression with Increasing Exponent
BAKER_HEMATOPOESIS_STAT1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/BAKER_HEMATOPOESIS_STAT1_TARGETS	29	-0.428874	-112,063	0.375	0.780162	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_2_UP	129	-0.268827	-112,283	0.283333	0.780163	Increased Expression with Increasing Exponent
DARWICHE_SQUAMOUS_CELL_CARCIOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_SQUAMOUS_CELL_CARCIOMA_UP	331	-0.232528	-107,092	0.333333	0.780171	Increased Expression with Increasing Exponent
HOLLEMAN_PREDNISOLONE_RESISTANCE_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_PREDNISOLONE_RESISTANCE_ALL_DN	35	-0.388373	-112,877	0.326653	0.780179	Increased Expression with Increasing Exponent
SHIN_B_CELL_LYMPHOMA_CLUSTER_3	http://www.broadinstitute.org/gsea/msigdb/cards/SHIN_B_CELL_LYMPHOMA_CLUSTER_3	74	-0.328216	-109,655	0.363817	0.780183	Increased Expression with Increasing Exponent
REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_UP	263	-0.372001	-107,014	0.423625	0.780252	Increased Expression with Increasing Exponent
BONCL_TARGETS_OF_MIR15A_AND_MIR16_1	http://www.broadinstitute.org/gsea/msigdb/cards/BONCL_TARGETS_OF_MIR15A_AND_MIR16_1	269	-0.241153	-107,703	0.30426	0.780263	Increased Expression with Increasing Exponent
RUAN_RESPONSE_TO_TNF_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RUAN_RESPONSE_TO_TNF_UP	47	-0.412548	-106,962	0.422535	0.780263	Increased Expression with Increasing Exponent
KEGG_LONG_TERM_DEPRESSION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_LONG_TERM_DEPRESSION	199	-0.270207	-108,459	0.339882	0.7803	Increased Expression with Increasing Exponent
KEGG_PANCREATIC_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PANCREATIC_CANCER	214	-0.334549	-154,288	0.00753296	0.780322	Increased Expression with Increasing Exponent
INGRAM_SHH_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/INGRAM_SHH_TARGETS_DN	159	-0.275432	-109,355	0.351738	0.780411	Increased Expression with Increasing Exponent
REACTOME_EGFR_DOWNREGULATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_EGFR_DOWNREGULATION	76	-0.311975	-112,925	0.298137	0.780419	Increased Expression with Increasing Exponent
WORSCHER_TUMOR_REJECTION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WORSCHER_TUMOR_REJECTION_UP	136	-0.341955	-112,025	0.34638	0.780448	Increased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_22Q13_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_22Q13_AMPLICON	31	-0.583776	-166,502	0.0445344	0.780474	Increased Expression with Increasing Exponent
DE_Y11_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DE_Y11_TARGETS_DN	340	-0.277114	-106,802	0.367063	0.780498	Increased Expression with Increasing Exponent
HOSHIDA_LIVER_CANCER_LATE_RECURRENCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOSHIDA_LIVER_CANCER_LATE_RECURRENCE_UP	172	-0.300065	-112,076	0.313253	0.780541	Increased Expression with Increasing Exponent
MORI_IMMATURE_B_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_IMMATURE_B_LYMPHOCYTE_UP	146	-0.341508	-108,212	0.379921	0.780546	Increased Expression with Increasing Exponent
MAINA_VHL_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MAINA_VHL_TARGETS_UP	31	-0.4212	-107,716	0.390291	0.780575	Increased Expression with Increasing Exponent
FAELT_B_CLL_WITH_VH3_21_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FAELT_B_CLL_WITH_VH3_21_DN	142	-0.270749	-10,733	0.373984	0.780578	Increased Expression with Increasing Exponent
HOFFMANN_MYELODYSPLASTIC_SYNDROM_LOW_RISK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_MYELODYSPLASTIC_SYNDROM_LOW_RISK_DN	59	-0.331722	-112,103	0.317365	0.780584	Increased Expression with Increasing Exponent
SMID_BREAST_CANCER_NORMAL_LIKE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_NORMAL_LIKE_DN	15	-0.439212	-108,473	0.378641	0.780597	Increased Expression with Increasing Exponent
SHIN_B_CELL_LYMPHOMA_CLUSTER_6	http://www.broadinstitute.org/gsea/msigdb/cards/SHIN_B_CELL_LYMPHOMA_CLUSTER_6	20	-0.566154	-145,767	0.119626	0.78062	Increased Expression with Increasing Exponent
KAAB_FAILED_HEART_ATRIUM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KAAB_FAILED_HEART_ATRIUM_UP	98	-0.294041	-10,969	0.326733	0.780632	Increased Expression with Increasing Exponent
PENG_GLUCESE_DEPRIVATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PENG_GLUCESE_DEPRIVATION_DN	468	-0.22521	-106,971	0.32613	0.780655	Increased Expression with Increasing Exponent
YAMANAKA_GLIOMASTOMA_SURVIVAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YAMANAKA_GLIOMASTOMA_SURVIVAL_UP	21	-0.672452	-154,457	0.0866142	0.780699	Increased Expression with Increasing Exponent
JI_CARCINOGENESIS_BY_KRAS_AND_STK11_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JI_CARCINOGENESIS_BY_KRAS_AND_STK11_DN	53	-0.379083	-109,659	0.384314	0.780736	Increased Expression with Increasing Exponent
BIOCARTA_TALL1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TALL1_PATHWAY	30	-0.367587	-109,982	0.347826	0.780742	Increased Expression with Increasing Exponent
KEGG_ECM_RECEPTOR_INTERACTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ECM_RECEPTOR_INTERACTION	244	-0.32167	-109,367	0.377143	0.780748	Increased Expression with Increasing Exponent
TURASHVILI_BREAST_DUCTAL_CARCIOMA_VS_LOBULAR_NORMAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_DUCTAL_CARCIOMA_VS_LOBULAR_NORMAL_DN	180	-0.255573	-109,712	0.295635	0.780767	Increased Expression with Increasing Exponent
RAMASWAMY_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RAMASWAMY_METASTASIS_UP	162	-0.283628	-106,914	0.372984	0.780771	Increased Expression with Increasing Exponent
DARWICHE_PAPILLOMA_RISK_HIGH_VS_LOW_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_PAPILLOMA_RISK_HIGH_VS_LOW_UP	17	-0.435004	-109,417	0.389105	0.780786	Increased Expression with Increasing Exponent
HONMA_DOCETAXEL_RESISTANCE	http://www.broadinstitute.org/gsea/msigdb/cards/HONMA_DOCETAXEL_RESISTANCE	84	-0.334565	-110,036	0.329317	0.780788	Increased Expression with Increasing Exponent
REACTOME_UNFOLDED_PROTEIN_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_UNFOLDED_PROTEIN_RESPONSE	201	-0.291523	-110,007	0.352827	0.7808	Increased Expression with Increasing Exponent
ST_ADRENERGIC	http://www.broadinstitute.org/gsea/msigdb/cards/ST_ADRENERGIC	117	-0.261925	-107,014	0.342052	0.780835	Increased Expression with Increasing Exponent
AMIT_SERUM_RESPONSE_60_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_SERUM_RESPONSE_60_MCF10A	175	-0.424042	-154,365	0.046332	0.780851	Increased Expression with Increasing Exponent
RUAN_RESPONSE_TO_TNF_TROGLITAZONE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RUAN_RESPONSE_TO_TNF_TROGLITAZONE_UP	52	-0.397064	-108,487	0.397541	0.780864	Increased Expression with Increasing Exponent
MATZUK_EARLY_ANTRAL_FOLLICLE	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_EARLY_ANTRAL_FOLLICLE	52	-0.31611	-106,834	0.356589	0.780901	Increased Expression with Increasing Exponent
MORI_LARGE_PRE_BII_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_LARGE_PRE_BII_LYMPHOCYTE_DN	154	-0.327439	-106,809	0.406615	0.780911	Increased Expression with Increasing Exponent
GENTILE_UV_RESPONSE_CLUSTER_D4	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_RESPONSE_CLUSTER_D4	153	-0.284785	-10,734	0.352	0.780916	Increased Expression with Increasing Exponent
SCHAVOLT_TARGETS_OF_TP53_AND_TP63	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAVOLT_TARGETS_OF_TP53_AND_TP63	41	-0.420002	-112,169	0.373796	0.780973	Increased Expression with Increasing Exponent
BIOCARTA_KERATINOCYTE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_KERATINOCYTE_PATHWAY	120	-0.283068	-11,214	0.316	0.781017	Increased Expression with Increasing Exponent
FIRESTEIN_PROLIFERATION	http://www.broadinstitute.org/gsea/msigdb/cards/FIRESTEIN_PROLIFERATION	475	-0.212907	-110,077	0.222	0.781073	Increased Expression with Increasing Exponent
ROESSLER_LIVER_CANCER_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ROESSLER_LIVER_CANCER_METASTASIS_DN	123	-0.250665	-107,357	0.314629	0.781105	Increased Expression with Increasing Exponent
PID_AR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_AR_PATHWAY	187	-0.275618	-107,027	0.388889	0.781112	Increased Expression with Increasing Exponent
BARRIER_CANCER_RELAPSE_NORMAL_SAMPLE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BARRIER_CANCER_RELAPSE_NORMAL_SAMPLE_UP	91	-0.318372	-109,429	0.368526	0.781114	Increased Expression with Increasing Exponent
LINDVALL_IMMORTALIZED_BY_TERT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LINDVALL_IMMORTALIZED_BY_TERT_DN	224	-0.297909	-112,109	0.314066	0.781121	Increased Expression with Increasing Exponent
BIOCARTA_BCELLSURVIVAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_BCELLSURVIVAL_PATHWAY	49	-0.345287	-112,186	0.341085	0.781215	Increased Expression with Increasing Exponent
PID_PRL_SIGNALING_EVENTS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_PRL_SIGNALING_EVENTS_PATHWAY	79	-0.419589	-145,883	0.0802469	0.781222	Increased Expression with Increasing Exponent
REACTOME_SIGNAL_REGULATORY_PROTEIN_SIRP_FAMILY_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNAL_REGULATORY_PROTEIN_SIRP_FAMILY_INTERACTIONS	45	-0.350989	-109,452	0.357002	0.781224	Increased Expression with Increasing Exponent
MAHADEVAN_RESPONSE_TO_MP470_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MAHADEVAN_RESPONSE_TO_MP470_UP	38	-0.549805	-145,485	0.140684	0.781248	Increased Expression with Increasing Exponent
ABE_VEGFA_TARGETS_2HR	http://www.broadinstitute.org/gsea/msigdb/cards/ABE_VEGFA_TARGETS_2HR	78	-0.292897	-109,372	0.354776	0.781254	Increased Expression with Increasing Exponent
HEDVAT_ELF4_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HEDVAT_ELF4_TARGETS_UP	31	-0.343215	-10,684	0.387283	0.78135	Increased Expression with Increasing Exponent
IWANAGA_CARCIINOGENESIS_BY_KRAS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IWANAGA_CARCIINOGENESIS_BY_KRAS_UP	423	-0.226213	-109,714	0.250996	0.781364	Increased Expression with Increasing Exponent
KYNG_RESPONSE_TO_H2O2	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_RESPONSE_TO_H2O2	163	-0.279427	-110,093	0.322957	0.781371	Increased Expression with Increasing Exponent
SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM6	http://www.broadinstitute.org/gsea/msigdb/cards/SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM6	149	-0.253571	-107,423	0.328897	0.781372	Increased Expression with Increasing Exponent
RAGHAVACHARI_PLATELET_SPECIFIC_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/RAGHAVACHARI_PLATELET_SPECIFIC_GENES	219	-0.286814	-110,037	0.31992	0.781398	Increased Expression with Increasing Exponent
BIOCARTA_TRKA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TRKA_PATHWAY	33	-0.362364	-107,465	0.392505	0.781562	Increased Expression with Increasing Exponent
RADMACHER_AML_PROGNOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/RADMACHER_AML_PROGNOSIS	221	-0.258534	-107,358	0.336032	0.781662	Increased Expression with Increasing Exponent
MCBRVAN_PUBERTAL_BREAST_6_7WK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCBRYAN_PUBERTAL_BREAST_6_7WK_DN	191	-0.266318	-107,436	0.353535	0.781681	Increased Expression with Increasing Exponent
KEGG_ENDOMETRIAL_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ENDOMETRIAL_CANCER	173	-0.269946	-109,915	0.313883	0.781705	Increased Expression with Increasing Exponent
SWEET_KRAS_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SWEET_KRAS_TARGETS_DN	171	-0.255521	-107,484	0.333981	0.781726	Increased Expression with Increasing Exponent
RUAN_RESPONSE_TO_TROGLITAZONE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RUAN_RESPONSE_TO_TROGLITAZONE_DN	42	-0.333843	-109,887	0.33526	0.781727	Increased Expression with Increasing Exponent
WANG_ESOPHAGUS_CANCER_VS_NORMAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_ESOPHAGUS_CANCER_VS_NORMAL_UP	247	-0.294742	-107,507	0.390385	0.781804	Increased Expression with Increasing Exponent
LI_INDUCED_T_TO_NATURAL_KILLER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LI_INDUCED_T_TO_NATURAL_KILLER_DN	339	-0.23132	-106,843	0.330661	0.781848	Increased Expression with Increasing Exponent
WAKABAYASHI_ADIPOGENESIS_PPARG_BOUND_36HR	http://www.broadinstitute.org/gsea/msigdb/cards/WAKABAYASHI_ADIPOGENESIS_PPARG_BOUND_36HR	75	-0.304153	-107,605	0.366224	0.781901	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_ACOX1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_ACOX1_UP	129	-0.300027	-109,853	0.356137	0.781926	Increased Expression with Increasing Exponent
PID_TAP63_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TAP63_PATHWAY	155	-0.275632	-109,716	0.336016	0.781955	Increased Expression with Increasing Exponent
KYNG_NORMAL_AGING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_NORMAL_AGING_UP	49	-0.275845	-107,575	0.329609	0.781985	Increased Expression with Increasing Exponent
BIOCARTA_MPR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MPR_PATHWAY	104	-0.29855	-109,742	0.322	0.78199	Increased Expression with Increasing Exponent
REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_EXTRACELLULAR_MATRIX_ORGANIZATION	197	-0.345789	-110,093	0.364542	0.781999	Increased Expression with Increasing Exponent
PETRETTO_HEART_MASS_QTL_CIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PETRETTO_HEART_MASS_QTL_CIS_DN	60	-0.221375	-110,118	0.348606	0.782052	Increased Expression with Increasing Exponent
REACTOME_MEIOTIC_RECOMBINATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MEIOTIC_RECOMBINATION	119	-0.324912	-107,365	0.387097	0.782087	Increased Expression with Increasing Exponent
LUCAS_HNF4A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LUCAS_HNF4A_TARGETS_DN	21	-0.413048	-107,545	0.373518	0.782133	Increased Expression with Increasing Exponent
LIU_SOX4_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_SOX4_TARGETS_UP	387	-0.225348	-107,516	0.28373	0.782208	Increased Expression with Increasing Exponent
ST_TUMOR_NECROSIS_FACTOR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_TUMOR_NECROSIS_FACTOR_PATHWAY	74	-0.349946	-109,744	0.355865	0.782594	Increased Expression with Increasing Exponent
SUNG_METASTASIS_STROMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SUNG_METASTASIS_STROMA_UP	296	-0.375334	-145,913	0.0725191	0.782658	Increased Expression with Increasing Exponent

KUROZUMI_RESPONSE_TO_ONCOCYTIC_VIRUS_AND_CYCLIC_RGD	http://www.broadinstitute.org/gsea/msigdb/cards/KUROZUMI_RESPONSE_TO_ONCOCYTIC_VIRUS_AND_	26	-0.598677	-154,155	0.0834951	0.7828	Increased Expression with Increasing Exponent
WATTEL_AUTONOMOUS_THYROID_ADENOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WATTEL_AUTONOMOUS_THYROID_ADENOMA_DN	106	-0.500079	-168,827	0.0157791	0.782815	Increased Expression with Increasing Exponent
BIOCARTA_D4GDI_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_D4GDI_PATHWAY	39	-0.486974	-145,772	0.0916497	0.783109	Increased Expression with Increasing Exponent
HINATA_NFKB_TARGETS_KERATINOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HINATA_NFKB_TARGETS_KERATINOCYTE_DN	60	-0.471807	-162,099	0.0311891	0.783206	Increased Expression with Increasing Exponent
ZHOU_TNF_SIGNALING_30MIN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHOU_TNF_SIGNALING_30MIN	118	-0.31124	-109,745	0.346743	0.783211	Increased Expression with Increasing Exponent
KOBAYASHI_EGFR_SIGNALING_6HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KOBAYASHI_EGFR_SIGNALING_6HR_DN	45	-0.423907	-109,762	0.388889	0.783455	Increased Expression with Increasing Exponent
MA_MYELOID_DIFFERENTIATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MA_MYELOID_DIFFERENTIATION_UP	115	-0.270088	-106,608	0.362429	0.78361	Increased Expression with Increasing Exponent
WESTON_VEGFA_TARGETS_12HR	http://www.broadinstitute.org/gsea/msigdb/cards/WESTON_VEGFA_TARGETS_12HR	81	-0.31898	-106,581	0.38247	0.783623	Increased Expression with Increasing Exponent
CHUANG_OXIDATIVE_STRESS_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHUANG_OXIDATIVE_STRESS_RESPONSE_UP	70	-0.323918	-106,631	0.390438	0.783735	Increased Expression with Increasing Exponent
SANSOM_APC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SANSOM_APC_TARGETS_UP	289	-0.257621	-106,446	0.372188	0.783772	Increased Expression with Increasing Exponent
PID_UPA_UPAR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_UPA_UPAR_PATHWAY	123	-0.308013	-106,539	0.372816	0.783955	Increased Expression with Increasing Exponent
ABBUD_LIF_SIGNALING_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ABBUD_LIF_SIGNALING_1_DN	64	-0.284637	-106,408	0.338912	0.784052	Increased Expression with Increasing Exponent
FOURNIER_ACINAR_DEVELOPMENT_EARLY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FOURNIER_ACINAR_DEVELOPMENT_EARLY_DN	25	-0.40046	-106,455	0.399247	0.784154	Increased Expression with Increasing Exponent
DORSAM_HOXA9_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DORSAM_HOXA9_TARGETS_DN	99	-0.443695	-163,299	0.0170132	0.784208	Increased Expression with Increasing Exponent
ABBUD_LIF_SIGNALING_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ABBUD_LIF_SIGNALING_2_DN	20	-0.336944	-106,472	0.356031	0.784341	Increased Expression with Increasing Exponent
PID_IL5_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL5_PATHWAY	38	-0.529668	-164,033	0.0310078	0.784414	Increased Expression with Increasing Exponent
BIOCARTA_CDC42RAC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CDC42RAC_PATHWAY	57	-0.357591	-106,475	0.413306	0.784861	Increased Expression with Increasing Exponent
TIAN_TNF_SIGNALING_NOT_VIA_NFKB	http://www.broadinstitute.org/gsea/msigdb/cards/TIAN_TNF_SIGNALING_NOT_VIA_NFKB	49	-0.587253	-16,219	0.0688336	0.785781	Increased Expression with Increasing Exponent
FERRARI_RESPONSE_TO_FENRETINIDE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FERRARI_RESPONSE_TO_FENRETINIDE_UP	53	-0.583817	-162,433	0.0496032	0.786628	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_PEAK_AT_2HR	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_PEAK_AT_2HR	106	-0.566102	-164,152	0.0700389	0.786637	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_2	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_2	77	-0.457538	-169,943	0.008	0.787	Increased Expression with Increasing Exponent
PID_CASPASE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CASPASE_PATHWAY	133	-0.253899	-106,202	0.365112	0.787049	Increased Expression with Increasing Exponent
CORRE_MULTIPLE_MYELOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CORRE_MULTIPLE_MYELOMA_DN	146	-0.277448	-106,243	0.380952	0.78725	Increased Expression with Increasing Exponent
BIOCARTA_RAC1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RAC1_PATHWAY	70	-0.489612	-169,736	0.0157171	0.787284	Increased Expression with Increasing Exponent
HOUSTIS_ROS	http://www.broadinstitute.org/gsea/msigdb/cards/HOUSTIS_ROS	75	-0.331889	-106,206	0.401198	0.787533	Increased Expression with Increasing Exponent
REACTOME_SIGNAL_AMPLIFICATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNAL_AMPLIFICATION	78	-0.291299	-105,035	0.392405	0.788228	Increased Expression with Increasing Exponent
GAUTSCHI_SRC_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/GAUTSCHI_SRC_SIGNALING	20	-0.626375	-163,375	0.0313726	0.788391	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_KIT_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_KIT_SIGNALING	50	-0.325032	-105,287	0.383562	0.788758	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX4_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX4_DN	131	-0.315317	-105,036	0.404472	0.788779	Increased Expression with Increasing Exponent
PARK_OSTEOBLAST_DIFFERENTIATION_BY_PHENYLAMIL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_OSTEOBLAST_DIFFERENTIATION_BY_PHENYLAV	21	-0.391168	-104,911	0.430303	0.788815	Increased Expression with Increasing Exponent
PID_PDGFRA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_PDGFRA_PATHWAY	60	-0.504887	-162,812	0.0132576	0.788823	Increased Expression with Increasing Exponent
BIOCARTA_RACCYCD_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RACCYCD_PATHWAY	64	-0.308876	-105,295	0.388119	0.789138	Increased Expression with Increasing Exponent
HAN_JNK_SINGALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HAN_JNK_SINGALING_UP	104	-0.520982	-186,684	0.00396825	0.789205	Increased Expression with Increasing Exponent
REACTOME_L1CAM_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_L1CAM_INTERACTIONS	274	-0.24097	-105,041	0.394	0.789223	Increased Expression with Increasing Exponent
KEGG_N_GLYCAN_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_N_GLYCAN_BIOSYNTHESIS	99	-0.311236	-105,316	0.385375	0.789239	Increased Expression with Increasing Exponent
BIOCARTA_MYOSIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MYOSIN_PATHWAY	100	-0.272292	-104,916	0.377778	0.789261	Increased Expression with Increasing Exponent
REACTOME_RESPONSE_TO_ELEVATED_PLATELET_CYTOSOLIC_CA2_	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RESPONSE_TO_ELEVATED_PLATELET_CYT	226	-0.295232	-104,813	0.408367	0.789268	Increased Expression with Increasing Exponent
REACTOME_ZINC_TRANSPORTERS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ZINC_TRANSPORTERS	36	-0.342297	-104,961	0.393638	0.789355	Increased Expression with Increasing Exponent
REACTOME_P75NTR_SIGNALS_VIA_NFKB	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_P75NTR_SIGNALS_VIA_NFKB	27	-0.357363	-104,833	0.405039	0.789389	Increased Expression with Increasing Exponent
KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CYTOSOLIC_DNA_SENSING_PATHWAY	93	-0.300919	-104,936	0.393822	0.789401	Increased Expression with Increasing Exponent
PAPASPYRIDONOS_UNSTABLE_ATEROSCLEROTIC_PLAQUE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PAPASPYRIDONOS_UNSTABLE_ATEROSCLEROTIC_PLA	125	-0.289796	-104,858	0.411157	0.789402	Increased Expression with Increasing Exponent
PID_IL23_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL23_PATHWAY	67	-0.329173	-105,328	0.404762	0.789505	Increased Expression with Increasing Exponent
BERENJENO_TRANSFORMED_BY_RHOA_REVERSIBLY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BERENJENO_TRANSFORMED_BY_RHOA_REVERSIBLY_I	16	-0.374316	-105,202	0.408203	0.789538	Increased Expression with Increasing Exponent
CHIN_BREAST_CANCER_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIN_BREAST_CANCER_COPY_NUMBER_UP	76	-0.286795	-105,989	0.359528	0.789577	Increased Expression with Increasing Exponent
RODRIGUES_NTN1_AND_DCC_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/RODRIGUES_NTN1_AND_DCC_TARGETS	124	-0.283521	-105,044	0.395445	0.789743	Increased Expression with Increasing Exponent
REACTOME_CRMP5_IN_SEMA3A_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CRMP5_IN_SEMA3A_SIGNALING	33	-0.337687	-105,343	0.366089	0.789757	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_4_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_4_UP	245	-0.223625	-105,218	0.326172	0.789768	Increased Expression with Increasing Exponent
NAKAMURA_ADIPOGENESIS_EARLY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_ADIPOGENESIS_EARLY_UP	153	-0.295393	-105,139	0.392857	0.789853	Increased Expression with Increasing Exponent
ZHANG_TARGETS_OF_EWSR1_FU1_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_TARGETS_OF_EWSR1_FU1_FUSION	221	-0.234727	-104,661	0.366876	0.789882	Increased Expression with Increasing Exponent
KORKOLA_EMBRYONAL_CARCINOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_EMBRYONAL_CARCINOMA_UP	99	-0.336536	-105,999	0.391389	0.789929	Increased Expression with Increasing Exponent
NICK_RESPONSE_TO_PROC_TREATMENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NICK_RESPONSE_TO_PROC_TREATMENT_DN	96	-0.288822	-10,516	0.38477	0.78994	Increased Expression with Increasing Exponent
BIOCARTA_TCRA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TCRA_PATHWAY	27	-0.443714	-105,352	0.440404	0.790122	Increased Expression with Increasing Exponent
BYSTROEM_CORRELATED_WITH_IL5_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTROEM_CORRELATED_WITH_IL5_DN	215	-0.247431	-104,699	0.386905	0.790168	Increased Expression with Increasing Exponent
MATTIOLI_MGUS_VS_MULTIPLE_MYELOMA	http://www.broadinstitute.org/gsea/msigdb/cards/MATTIOLI_MGUS_VS_MULTIPLE_MYELOMA	56	-0.317433	-105,047	0.370143	0.790237	Increased Expression with Increasing Exponent
BHATI_G2M_ARREST_BY_2METHOXYSTRADIOL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BHATI_G2M_ARREST_BY_2METHOXYSTRADIOL_UP	304	-0.268882	-104,667	0.410417	0.790315	Increased Expression with Increasing Exponent
REACTOME_SIGNAL_TRANSDUCTION_BY_L1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNAL_TRANSDUCTION_BY_L1	121	-0.256912	-105,364	0.371197	0.790423	Increased Expression with Increasing Exponent
NAKAMURA_ADIPOGENESIS_LATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_ADIPOGENESIS_LATE_UP	240	-0.235278	-104,712	0.378	0.790442	Increased Expression with Increasing Exponent
REACTOME_TRAFFICKING_OF_AMPA_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAFFICKING_OF_AMPA_RECEPTORS	91	-0.334489	-106,026	0.391393	0.790445	Increased Expression with Increasing Exponent
BOSCO_ALLERGEN_INDUCED_TH2_ASSOCIATED_MODULE	http://www.broadinstitute.org/gsea/msigdb/cards/BOSCO_ALLERGEN_INDUCED_TH2_ASSOCIATED_MOC	386	-0.25136	-106,001	0.349515	0.790458	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_2_DN	19	-0.402192	-105,916	0.40081	0.79056	Increased Expression with Increasing Exponent
XU_GH1_AUTOCRINE_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/XU_GH1_AUTOCRINE_TARGETS_DN	400	-0.224744	-104,724	0.357422	0.790732	Increased Expression with Increasing Exponent
PID_INTEGRIN1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INTEGRIN1_PATHWAY	176	-0.350045	-10,505	0.433925	0.79074	Increased Expression with Increasing Exponent
HOLLEMAN_VINCISTINE_RESISTANCE_B_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_VINCISTINE_RESISTANCE_B_ALL_DN	42	-0.354826	-105,071	0.401575	0.790802	Increased Expression with Increasing Exponent
LUI_TARGETS_OF_PAX8_PPARG_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/LUI_TARGETS_OF_PAX8_PPARG_FUSION	85	-0.295565	-104,464	0.385214	0.790855	Increased Expression with Increasing Exponent
MEISSNER_NPC_ICP_WITH_H3K4ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_NPC_ICP_WITH_H3K4ME3	106	-0.33338	-105,366	0.384929	0.79095	Increased Expression with Increasing Exponent
AMIT_SERUM_RESPONSE_40_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_SERUM_RESPONSE_40_MCF10A	33	-0.600922	-168,889	0.038835	0.791056	Increased Expression with Increasing Exponent
SASSON_RESPONSE_TO_GONADOTROPHINS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SASSON_RESPONSE_TO_GONADOTROPHINS_DN	278	-0.252421	-105,863	0.383234	0.791185	Increased Expression with Increasing Exponent
DAIRKEE_TERT_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DAIRKEE_TERT_TARGETS_DN	342	-0.223017	-103,974	0.371094	0.791199	Increased Expression with Increasing Exponent
MILI_PSEUDOPODIA_CHEMOTAXIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MILI_PSEUDOPODIA_CHEMOTAXIS_UP	200	-0.259787	-105,377	0.372549	0.791253	Increased Expression with Increasing Exponent
PID_ENDOTHELIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ENDOTHELIN_PATHWAY	169	-0.2675	-104,467	0.383721	0.791352	Increased Expression with Increasing Exponent
HEDENFALK_BREAST_CANCER_BRCA1_VS_BRCA2	http://www.broadinstitute.org/gsea/msigdb/cards/HEDENFALK_BREAST_CANCER_BRCA1_VS_BRCA2	420	-0.242258	-104,568	0.396694	0.791387	Increased Expression with Increasing Exponent
PID_TXA2PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TXA2PATHWAY	160	-0.275872	-103,982	0.394422	0.791571	Increased Expression with Increasing Exponent
ZIRN_TRETINOIN_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZIRN_TRETINOIN_RESPONSE_UP	59	-0.31292	-104,981	0.393597	0.791598	Increased Expression with Increasing Exponent
VERRECCHIA_RESPONSE_TO_TGFB1_C3	http://www.broadinstitute.org/gsea/msigdb/cards/VERRECCHIA_RESPONSE_TO_TGFB1_C3	45	-0.36369	-105,384	0.411067	0.791672	Increased Expression with Increasing Exponent
SHIRAISHI_PLZF_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SHIRAISHI_PLZF_TARGETS_DN	22	-0.374391	-1.04	0.393474	0.791719	Increased Expression with Increasing Exponent
DIRMEIER_LMP1_RESPONSE_EARLY	http://www.broadinstitute.org/gsea/msigdb/cards/DIRMEIER_LMP1_RESPONSE_EARLY	154	-0.519125	-165,658	0.0518962	0.791786	Increased Expression with Increasing Exponent
LIU_VAV3_PROSTATE_CARCINOGENESIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_VAV3_PROSTATE_CARCINOGENESIS_DN	45	-0.337687	-104,396	0.409901	0.791824	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_FGFR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_FGFR	325	-0.233195	-104,496	0.368209	0.791843	Increased Expression with Increasing Exponent
NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_UP	80	-0.304496	-103,789	0.419028	0.791934	Increased Expression with Increasing Exponent
FIRESTEIN_CTNNB1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/FIRESTEIN_CTNNB1_PATHWAY	83	-0.262125	-105,473	0.38523	0.791982	Increased Expression with Increasing Exponent
CHASSOT_SKIN_WOUND	http://www.broadinstitute.org/gsea/msigdb/cards/CHASSOT_SKIN_WOUND	20	-0.744774	-162,482	0.0486381	0.792005	Increased Expression with Increasing Exponent
PIEPOLI_LG11_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PIEPOLI_LG11_TARGETS_DN	27	-0.551746	-162,208	0.0239521	0.792044	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLUE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPI	152	-0.244838	-104,085	0.386179	0.792048	Increased Expression with Increasing Exponent
BIOCARTA_SPPA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SPPA_PATHWAY	68	-0.30468	-103,856	0.413725	0.792081	Increased Expression with Increasing Exponent
ZHU_CMV_8_HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHU_CMV_8_HR_UP	102	-0.36505	-104,008	0.430862	0.792086	Increased Expression with Increasing Exponent
COURTOIS_SENESCENCE_TRIGGERS	http://www.broadinstitute.org/gsea/msigdb/cards/COURTOIS_SENESCENCE_TRIGGERS	25	-0.392864	-103,879	0.423598	0.792114	Increased Expression with Increasing Exponent
KENNY_CTNNB1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KENNY_CTNNB1_TARGETS_DN	162	-0.252777	-103,804	0.404715	0.792134	Increased Expression with Increasing Exponent
MILI_PSEUDOPODIA	http://www.broadinstitute.org/gsea/msigdb/cards/MILI_PSEUDOPODIA	116	-0.273035	-103,755	0.404082	0.792144	Increased Expression with Increasing Exponent
MALONEY_RESPONSE_TO_17AAG_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MALONEY_RESPONSE_TO_17AAG_UP	82	-0.259122	-105,387	0.352705	0.792173	Increased Expression with Increasing Exponent
MORI_SMALL_PRE_BIL_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_SMALL_PRE_BIL_LYMPHOCYTE_DN	189	-0.2782	-104,505	0.413386	0.792198	Increased Expression with Increasing Exponent
REACTOME_NEPHRIN_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NEPHRIN_INTERACTIONS	60	-0.293217	-104,102	0.392786	0.79223	Increased Expression with Increasing Exponent
YIH_RESPONSE_TO_ARSENITE_C4	http://www.broadinstitute.org/gsea/msigdb/cards/YIH_RESPONSE_TO_ARSENITE_C4	60	-0.314807	-104,027	0.399582	0.792238	Increased Expression with Increasing Exponent
DORN_ADENOVIRUS_INFECTION_24HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DORN_ADENOVIRUS_INFECTION_24HR_UP	29	-0.353986	-103,822	0.388031	0.792271	Increased Expression with Increasing Exponent
KEGG_RIBOSOME	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_RIBOSOME	206	-0.407736	-104,125	0.466535	0.792286	Increased Expression with Increasing Exponent
ST_INTERLEUKIN_4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_INTERLEUKIN_4_PATHWAY	78	-0.457594	-164,209	0.0229008	0.792299	Increased Expression with Increasing Exponent
ODONNELL_TARGETS_OF_MYC_AND_TFRC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ODONNELL_TARGETS_OF_MYC_AND_TFRC_UP	279	-0.284459	-104,199	0.409357	0.79235	Increased Expression with Increasing Exponent
LOPEZ_MESOTELIOMA_SURVIVAL_TIME_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_MESOTELIOMA_SURVIVAL_TIME_DN	16	-0.497675	-10,543	0.445783	0.792356	Increased Expression with Increasing Exponent
BILANGES_SERUM_SENSITIVE_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/BILANGES_SERUM_SENSITIVE_GENES	205	-0.245676	-103,893	0.369697	0.792369	Increased Expression with Increasing Exponent

BIOCARTA_CTCF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CTCF_PATHWAY	76	-0.491604	-165,969	0.0205224	0.792458	Increased Expression with Increasing Exponent
CHEOK_RESPONSE_TO_HD_MTX_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHEOK_RESPONSE_TO_HD_MTX_UP	54	-0.336564	-105,477	0.393574	0.792482	Increased Expression with Increasing Exponent
TSUDA_ALVEOLAR_SOFT_PART_SARCOMA	http://www.broadinstitute.org/gsea/msigdb/cards/TSUDA_ALVEOLAR_SOFT_PART_SARCOMA	25	-0.395644	-104,142	0.422619	0.792488	Increased Expression with Increasing Exponent
DURAND_STROMA_NS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DURAND_STROMA_NS_UP	417	-0.226348	-104,039	0.368421	0.792518	Increased Expression with Increasing Exponent
REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_REPLICATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION	254	-0.356505	-103,686	0.461538	0.792569	Increased Expression with Increasing Exponent
IGARASHI_ATF4_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IGARASHI_ATF4_TARGETS_DN	256	-0.231572	-104,209	0.37931	0.792641	Increased Expression with Increasing Exponent
LANDIS_ERBB2_BREAST_TUMORS_324_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LANDIS_ERBB2_BREAST_TUMORS_324_UP	407	-0.226333	-105,387	0.359375	0.79275	Increased Expression with Increasing Exponent
PID_FOXO_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_FOXO_PATHWAY	151	-0.261789	-104,154	0.389961	0.792789	Increased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_NIMUSTINE	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_NIMUSTINE	36	-0.290983	-103,696	0.385827	0.792881	Increased Expression with Increasing Exponent
STAMBOLSKY_TARGETS_OF_MUTATED_TP53_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STAMBOLSKY_TARGETS_OF_MUTATED_TP53_UP	188	-0.256881	-105,478	0.347573	0.793029	Increased Expression with Increasing Exponent
MA_MYELOID_DIFFERENTIATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MA_MYELOID_DIFFERENTIATION_DN	109	-0.402065	-162,605	0.0140845	0.793041	Increased Expression with Increasing Exponent
IKEDA_MIR30_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IKEDA_MIR30_TARGETS_UP	415	-0.250062	-104,212	0.392857	0.793132	Increased Expression with Increasing Exponent
SIG_CHEMOTAXIS	http://www.broadinstitute.org/gsea/msigdb/cards/SIG_CHEMOTAXIS	139	-0.447786	-179,858	0	0.793178	Increased Expression with Increasing Exponent
INGRAM_SHH_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/INGRAM_SHH_TARGETS	18	-0.413512	-104,286	0.421569	0.793182	Increased Expression with Increasing Exponent
MURAKAMI_UV_RESPONSE_6HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MURAKAMI_UV_RESPONSE_6HR_DN	41	-0.356991	-104,255	0.434442	0.79331	Increased Expression with Increasing Exponent
DARWICHE_PAPILLOMA_RISK_HIGH_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_PAPILLOMA_RISK_HIGH_UP	336	-0.22906	-105,491	0.341085	0.793312	Increased Expression with Increasing Exponent
KEGG_P53_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_P53_SIGNALING_PATHWAY	200	-0.273949	-1,036	0.414729	0.793371	Increased Expression with Increasing Exponent
REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASMA_MEMBRANE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASMA_MEMBRANE	398	-0.232799	-104,226	0.396887	0.793381	Increased Expression with Increasing Exponent
REACTOME_THE_NLRP3_INFLAMMASOME	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_THE_NLRP3_INFLAMMASOME	29	-0.575754	-165,794	0.0337302	0.793419	Increased Expression with Increasing Exponent
WILCOX_RESPONSE_TO_PROGESTERONE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WILCOX_RESPONSE_TO_PROGESTERONE_DN	254	-0.265936	-104,299	0.405405	0.793422	Increased Expression with Increasing Exponent
BIOCARTA_PPARG_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PPARG_PATHWAY	161	-0.245597	-105,511	0.362934	0.793431	Increased Expression with Increasing Exponent
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_16D_UP	385	-0.261968	-105,715	0.377282	0.793439	Increased Expression with Increasing Exponent
PURBEY_TARGETS_OF_CTBP1_AND_SATB1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PURBEY_TARGETS_OF_CTBP1_AND_SATB1_UP	226	-0.266503	-105,663	0.385375	0.793448	Increased Expression with Increasing Exponent
TIEN_INTESTINE_PROBIOTICS_2HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TIEN_INTESTINE_PROBIOTICS_2HR_DN	291	-0.24037	-103,616	0.385827	0.79355	Increased Expression with Increasing Exponent
STEARMAN_TUMOR_FIELD_EFFECT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STEARMAN_TUMOR_FIELD_EFFECT_UP	76	-0.361619	-105,533	0.430556	0.793564	Increased Expression with Increasing Exponent
MULLIGHAN_NPM1_SIGNATURE_3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MULLIGHAN_NPM1_SIGNATURE_3_DN	395	-0.221715	-105,584	0.332016	0.793607	Increased Expression with Increasing Exponent
REACTOME_IRAK2_MEDIATED_ACTIVATION_OF_TAK1_COMPLEX_UPON_TAK1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IRAK2_MEDIATED_ACTIVATION_OF_TAK1_COMPLEX_UPON_TAK1	21	-0.363144	-105,554	0.390873	0.793696	Increased Expression with Increasing Exponent
JI_METASTASIS_REPRESSED_BY_STK11	http://www.broadinstitute.org/gsea/msigdb/cards/JI_METASTASIS_REPRESSED_BY_STK11	77	-0.259142	-10,346	0.415534	0.793774	Increased Expression with Increasing Exponent
KAMMINGA_SENESCENCE	http://www.broadinstitute.org/gsea/msigdb/cards/KAMMINGA_SENESCENCE	89	-0.2729	-105,719	0.380117	0.793924	Increased Expression with Increasing Exponent
WEIGEL_OXIDATIVE_STRESS_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/WEIGEL_OXIDATIVE_STRESS_RESPONSE	108	-0.295819	-105,668	0.392453	0.793936	Increased Expression with Increasing Exponent
HASLINGER_B_CLL_WITH_CHROMOSOME_12_TRISOMY	http://www.broadinstitute.org/gsea/msigdb/cards/HASLINGER_B_CLL_WITH_CHROMOSOME_12_TRISOMY	61	-0.341736	-105,619	0.383562	0.79396	Increased Expression with Increasing Exponent
LIU_LIVER_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_LIVER_CANCER	99	-0.241003	-103,426	0.381526	0.793965	Increased Expression with Increasing Exponent
REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDIATES_BY_CCT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDIATES_BY_CCT	38	-0.412955	-103,519	0.445585	0.794051	Increased Expression with Increasing Exponent
CAIRO_PML_TARGETS_BOUND_BY_MYC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CAIRO_PML_TARGETS_BOUND_BY_MYC_DN	25	-0.334376	-105,585	0.390625	0.794171	Increased Expression with Increasing Exponent
VANHARANTA_UTERINE_FIBROID_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANHARANTA_UTERINE_FIBROID_DN	185	-0.282843	-103,466	0.403883	0.794191	Increased Expression with Increasing Exponent
KAPOS1_LIVER_CANCER_MET_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KAPOS1_LIVER_CANCER_MET_UP	42	-0.333452	-103,475	0.422619	0.794509	Increased Expression with Increasing Exponent
LABBE_TARGETS_OF_TGFB1_AND_WNT3A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LABBE_TARGETS_OF_TGFB1_AND_WNT3A_DN	252	-0.268391	-103,521	0.422397	0.794567	Increased Expression with Increasing Exponent
KEGG_CHRONIC_MYELOID_LEUKEMIA	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CHRONIC_MYELOID_LEUKEMIA	227	-0.391975	-169,419	0.00763359	0.794597	Increased Expression with Increasing Exponent
STEGER_ADIPOGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STEGER_ADIPOGENESIS_UP	38	-0.391427	-103,293	0.464427	0.794784	Increased Expression with Increasing Exponent
DAZARD_UV_RESPONSE_CLUSTER_G28	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_UV_RESPONSE_CLUSTER_G28	43	-0.575837	-163,405	0.0346821	0.794821	Increased Expression with Increasing Exponent
REACTOME_NFKB_IS_ACTIVATED_AND_SIGNALS_SURVIVAL	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NFKB_IS_ACTIVATED_AND_SIGNALS_SURVIVAL	21	-0.377104	-103,346	0.438462	0.795202	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_MYC_E2F1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_MYC_E2F1_DN	116	-0.26541	-103,296	0.403475	0.795255	Increased Expression with Increasing Exponent
REACTOME_ADHERENS_JUNCTIONS_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ADHERENS_JUNCTIONS_INTERACTIONS	77	-0.28729	-103,318	0.413306	0.795313	Increased Expression with Increasing Exponent
SUBTIL_PROGESTIN_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SUBTIL_PROGESTIN_TARGETS	108	-0.435583	-169,208	0.00982318	0.795466	Increased Expression with Increasing Exponent
REACTOME_G_PROTEIN_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G_PROTEIN_ACTIVATION	55	-0.286438	-102,233	0.384298	0.795571	Increased Expression with Increasing Exponent
BEIER_GLIOMA_STEM_CELL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BEIER_GLIOMA_STEM_CELL_UP	100	-0.417301	-16,283	0.0174081	0.795795	Increased Expression with Increasing Exponent
SIG_BCR_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/SIG_BCR_SIGNALING_PATHWAY	141	-0.467002	-188,324	0	0.796255	Increased Expression with Increasing Exponent
HEIDENBLAD_AMPLIFIED_IN_SOFT_TISSUE_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/HEIDENBLAD_AMPLIFIED_IN_SOFT_TISSUE_CANCER	35	-0.616368	-165,428	0.0540037	0.796389	Increased Expression with Increasing Exponent
LINDSTEDT_DENDRITIC_CELL_MATURATION_C	http://www.broadinstitute.org/gsea/msigdb/cards/LINDSTEDT_DENDRITIC_CELL_MATURATION_C	168	-0.420884	-162,955	0.0198413	0.79665	Increased Expression with Increasing Exponent
KEGG_TYROSINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TYROSINE_METABOLISM	86	-0.269368	-1,031	0.391304	0.796865	Increased Expression with Increasing Exponent
KEGG_TIGHT_JUNCTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TIGHT_JUNCTION	381	-0.207191	-102,533	0.376471	0.796903	Increased Expression with Increasing Exponent
NAKAYAMA_FGF2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAYAMA_FGF2_TARGETS	65	-0.325665	-103,073	0.440777	0.796903	Increased Expression with Increasing Exponent
HAN_JNK_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HAN_JNK_SIGNALING_DN	91	-0.312403	-102,847	0.411992	0.796931	Increased Expression with Increasing Exponent
KIM_WT1_TARGETS_12HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_WT1_TARGETS_12HR_UP	427	-0.230632	-102,943	0.373541	0.796951	Increased Expression with Increasing Exponent
BIOCARTA_CFTR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CFTR_PATHWAY	45	-0.320973	-102,819	0.437624	0.796983	Increased Expression with Increasing Exponent
PID_CD8_TCR_DOWNSTREAM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CD8_TCR_DOWNSTREAM_PATHWAY	144	-0.271841	-103,143	0.423372	0.797033	Increased Expression with Increasing Exponent
REACTOME_INHIBITION_OF_INSULIN_SECRETION_BY_ADRENALINE_NORADRENALINE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INHIBITION_OF_INSULIN_SECRETION_BY_ADRENALINE_NORADRENALINE	55	-0.288225	-103,015	0.413174	0.797036	Increased Expression with Increasing Exponent
OKAMOTO_LIVER_CANCER_MULTICENTRIC_OCCURRENCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OKAMOTO_LIVER_CANCER_MULTICENTRIC_OCCURRENCE_UP	51	-0.32007	-102,861	0.426035	0.797147	Increased Expression with Increasing Exponent
KEGG_WNT_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_WNT_SIGNALING_PATHWAY	410	-0.224773	-102,568	0.39165	0.797173	Increased Expression with Increasing Exponent
MULLIGHAN_NPM1_MUTATED_SIGNATURE_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MULLIGHAN_NPM1_MUTATED_SIGNATURE_1_DN	313	-0.215313	-102,979	0.392233	0.797258	Increased Expression with Increasing Exponent
SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SETLUR_PROSTATE_CANCER_TMPRSS2_ERG_FUSION_UP	185	-0.236884	-103,104	0.415821	0.797309	Increased Expression with Increasing Exponent
LI_WILMS_TUMOR	http://www.broadinstitute.org/gsea/msigdb/cards/LI_WILMS_TUMOR	50	-0.322468	-102,581	0.422311	0.797395	Increased Expression with Increasing Exponent
REACTOME_PL_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PL_METABOLISM	128	-0.255805	-102,535	0.389961	0.79742	Increased Expression with Increasing Exponent
KEGG_ASTHMA	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ASTHMA	58	-0.393657	-102,946	0.451362	0.797431	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_18HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_18HR_DN	496	-0.224239	-103,022	0.384321	0.797454	Increased Expression with Increasing Exponent
SCHRAETS_MLL_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHRAETS_MLL_TARGETS_UP	96	-0.298679	-102,864	0.418919	0.797635	Increased Expression with Increasing Exponent
SHI_SPARC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SHI_SPARC_TARGETS_DN	21	-0.358991	-102,888	0.401198	0.797662	Increased Expression with Increasing Exponent
KEGG_EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLORI_INFECTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_EPITHELIAL_CELL_SIGNALING_IN_HELICOBACTER_PYLORI_INFECTION	174	-0.264165	-102,613	0.422998	0.797765	Increased Expression with Increasing Exponent
PID_FRA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_FRA_PATHWAY	95	-0.530532	-169,999	0.0400763	0.797841	Increased Expression with Increasing Exponent
ALCALAY_AML_BY_NPM1_LOCALIZATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ALCALAY_AML_BY_NPM1_LOCALIZATION_UP	356	-0.229407	-102,582	0.388889	0.797904	Increased Expression with Increasing Exponent
KORKOLA_YOLK_SAC_TUMOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_YOLK_SAC_TUMOR_UP	50	-0.380073	-102,616	0.437751	0.798251	Increased Expression with Increasing Exponent
REACTOME_NCAMP1_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NCAMP1_INTERACTIONS	113	-0.30445	-102,738	0.42549	0.798266	Increased Expression with Increasing Exponent
REACTOME_MEIOTIC_SYNAPSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MEIOTIC_SYNAPSIS	123	-0.294391	-102,632	0.403162	0.798409	Increased Expression with Increasing Exponent
PIONTEK_PKD1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PIONTEK_PKD1_TARGETS_DN	40	-0.311258	-102,646	0.445328	0.798648	Increased Expression with Increasing Exponent
GAZDA_DIAMOND_BLACKFAN_ANEMIA_ERYTHROID_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAZDA_DIAMOND_BLACKFAN_ANEMIA_ERYTHROID_UP	166	-0.315723	-102,097	0.437624	0.798848	Increased Expression with Increasing Exponent
WOOD_EBV_EBNA1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WOOD_EBV_EBNA1_TARGETS_DN	124	-0.454015	-16,425	0.0261044	0.798935	Increased Expression with Increasing Exponent
GROSS_HYPOXIA_VIA_HIF1A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HYPOXIA_VIA_HIF1A_UP	220	-0.525953	-102,682	0.402083	0.79894	Increased Expression with Increasing Exponent
LIN_SILENCED_BY_TUMOR_MICROENVIRONMENT	http://www.broadinstitute.org/gsea/msigdb/cards/LIN_SILENCED_BY_TUMOR_MICROENVIRONMENT	255	-0.275226	-102,649	0.390476	0.799112	Increased Expression with Increasing Exponent
WOOD_EBV_EBNA1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WOOD_EBV_EBNA1_TARGETS_UP	296	-0.235664	-1,021	0.436874	0.799332	Increased Expression with Increasing Exponent
PID_P38_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P38_PATHWAY	67	-0.301338	-102,047	0.431412	0.799365	Increased Expression with Increasing Exponent
STREICHER_LSM1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STREICHER_LSM1_TARGETS_UP	142	-0.255327	-102,321	0.409563	0.79944	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_CHAPERONE_GENES_BY_XBP1S	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_CHAPERONE_GENES_BY_XBP1S	114	-0.310397	-102,293	0.433071	0.799511	Increased Expression with Increasing Exponent
BECKER_TAMOXIFEN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BECKER_TAMOXIFEN_RESISTANCE_UP	92	-0.274395	-101,989	0.426263	0.79959	Increased Expression with Increasing Exponent
PID_AMB2_NEUTROPHILS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_AMB2_NEUTROPHILS_PATHWAY	95	-0.285772	-102,112	0.428571	0.79961	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_6HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_6HR_DN	462	-0.241497	-102,332	0.413725	0.799734	Increased Expression with Increasing Exponent
SANA_TNF_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SANA_TNF_SIGNALING_UP	171	-0.327726	-102,354	0.463938	0.799788	Increased Expression with Increasing Exponent
STAMBOLSKY_BOUND_BY_MUTATED_TP53	http://www.broadinstitute.org/gsea/msigdb/cards/STAMBOLSKY_BOUND_BY_MUTATED_TP53	41	-0.275853	-102,378	0.411881	0.79979	Increased Expression with Increasing Exponent
CHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_DN	89	-0.282677	-101,999	0.414938	0.79991	Increased Expression with Increasing Exponent
ST_GA13_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_GA13_PATHWAY	105	-0.258993	-102,117	0.418511	0.800048	Increased Expression with Increasing Exponent
OHM_EMBRYONIC_CARCINOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OHM_EMBRYONIC_CARCINOMA_DN	22	-0.360723	-102,138	0.428571	0.800163	Increased Expression with Increasing Exponent
STEGER_ADIPOGENESIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STEGER_ADIPOGENESIS_DN	70	-0.373373	-101,838	0.456566	0.800178	Increased Expression with Increasing Exponent
CASTELLANO_HRAS_AND_NRAS_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CASTELLANO_HRAS_AND_NRAS_TARGETS_DN	25	-0.371075	-101,844	0.440476	0.800587	Increased Expression with Increasing Exponent
MULLIGHAN_NPM1_MUTATED_SIGNATURE_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MULLIGHAN_NPM1_MUTATED_SIGNATURE_2_DN	192	-0.238319	-101,916	0.413927	0.800618	Increased Expression with Increasing Exponent
MARZEC_IL2_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARZEC_IL2_SIGNALING_DN	117	-0.264924	-102,138	0.432271	0.800687	Increased Expression with Increasing Exponent
REACTOME_GASTRIN_CREB_SIGNALING_PATHWAY_VIA_PKC_AND_MAPK	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GASTRIN_CREB_SIGNALING_PATHWAY_VIA_PKC_AND_MAPK	418	-0.233701	-102,149	0.396518	0.801003	Increased Expression with Increasing Exponent
DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DAVICIONI_RHABDOMYOSARCOMA_PAX_FOXO1_FUSION_UP	186	-0.234168	-101,844	0.426966	0.801112	Increased Expression with Increasing Exponent
SEIDEN_ONCOGENESIS_BY_MET	http://www.broadinstitute.org/gsea/msigdb/cards/SEIDEN_ONCOGENESIS_BY_MET	278	-0.283571	-101,719	0.44877	0.801187	Increased Expression with Increasing Exponent
DAZARD_UV_RESPONSE_CLUSTER_G1	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_UV_RESPONSE_CLUSTER_G1	172	-0.241935	-101,622	0.40691	0.801213	Increased Expression with Increasing Exponent

REACTOME_DIABETES_PATHWAYS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DIABETES_PATHWAYS	336	-0.240941	-101,666	0.411992	0.801302	Increased Expression with Increasing Exponent
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_10D_U	445	-0.251864	-101,424	0.402	0.801353	Increased Expression with Increasing Exponent
REACTOME_COMMON_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_COMMON_PATHWAY	22	-0.373555	-102,157	0.444444	0.801395	Increased Expression with Increasing Exponent
CLIMENT_BREAST_CANCER_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CLIMENT_BREAST_CANCER_COPY_NUMBER_UP	60	-0.275302	-101,565	0.422562	0.801415	Increased Expression with Increasing Exponent
CAMPS_COLON_CANCER_COPY_NUMBER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CAMPS_COLON_CANCER_COPY_NUMBER_DN	120	-0.239878	-101,587	0.421154	0.801436	Increased Expression with Increasing Exponent
REACTOME_SOS_MEDIATED_SIGNALLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SOS_MEDIATED_SIGNALLING	42	-0.313849	-10,173	0.427239	0.801469	Increased Expression with Increasing Exponent
HOFMANN_CELL_LYMPHOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFMANN_CELL_LYMPHOMA_DN	89	-0.247753	-102,174	0.414449	0.801531	Increased Expression with Increasing Exponent
NIELSEN_LEIOMYOSARCOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_LEIOMYOSARCOMA_UP	37	-0.421839	-101,462	0.472868	0.801536	Increased Expression with Increasing Exponent
PARK_OSTEOBLAST_DIFFERENTIATION_BY_PHENYLAMIL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_OSTEOBLAST_DIFFERENTIATION_BY_PHENYLAM	27	-0.383375	-101,631	0.451128	0.801553	Increased Expression with Increasing Exponent
LOPEZ_TRANSLATION_VIA_FN1_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_TRANSLATION_VIA_FN1_SIGNALING	150	-0.474771	-164,362	0.0409357	0.801573	Increased Expression with Increasing Exponent
PID_ALPHA_SYNUCLEIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ALPHA_SYNUCLEIN_PATHWAY	95	-0.291959	-101,437	0.445328	0.801584	Increased Expression with Increasing Exponent
XU_CREBBP_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/XU_CREBBP_TARGETS_DN	126	-0.25097	-101,845	0.44334	0.801639	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_B_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_B_UP	76	-0.281022	-101,667	0.430584	0.8018	Increased Expression with Increasing Exponent
SA_CASPASE_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/SA_CASPASE_CASCADE	45	-0.29805	-101,474	0.453125	0.801802	Increased Expression with Increasing Exponent
HENDRICKS_SMARCA4_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HENDRICKS_SMARCA4_TARGETS_DN	173	-0.285996	-101,732	0.445783	0.801935	Increased Expression with Increasing Exponent
MUNSHI_MULTIPLE_MYELOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MUNSHI_MULTIPLE_MYELOMA_UP	238	-0.262029	-101,482	0.444672	0.802163	Increased Expression with Increasing Exponent
SHAFFER_IRF4_TARGETS_IN_PLASMA_CELL_VS_MATURE_B_LYMPHOCYTE	http://www.broadinstitute.org/gsea/msigdb/cards/SHAFFER_IRF4_TARGETS_IN_PLASMA_CELL_VS_MATL	178	-0.27903	-101,282	0.467871	0.802343	Increased Expression with Increasing Exponent
BERTUCCI_INVASIVE_CARCINOMA_DUCTAL_VS_LOBULAR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BERTUCCI_INVASIVE_CARCINOMA_DUCTAL_VS_LOBU	116	-0.317604	-101,493	0.458824	0.80245	Increased Expression with Increasing Exponent
LUI_THYROID_CANCER_PAX8_PPARG_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LUI_THYROID_CANCER_PAX8_PPARG_DN	111	-0.276875	-101,327	0.417822	0.802457	Increased Expression with Increasing Exponent
CHEN_NEUROBLASTOMA_COPY_NUMBER_GAINS	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_NEUROBLASTOMA_COPY_NUMBER_GAINS	122	-0.253292	-101,351	0.42515	0.802462	Increased Expression with Increasing Exponent
NABA_ECM_GLYCOPROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/NABA_ECM_GLYCOPROTEINS	384	-0.270761	-101,293	0.452242	0.802619	Increased Expression with Increasing Exponent
KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_T_CELL_RECEPTOR_SIGNALING_PATHWAY	286	-0.388973	-168,906	0.00191205	0.802915	Increased Expression with Increasing Exponent
GUILLAUMOND_KLF10_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GUILLAUMOND_KLF10_TARGETS_DN	76	-0.302441	-100,606	0.427734	0.802989	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_8	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_8	212	-0.275116	-100,673	0.447316	0.803127	Increased Expression with Increasing Exponent
BIOCARTA_HIF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_HIF_PATHWAY	51	-0.337028	-100,619	0.441057	0.803239	Increased Expression with Increasing Exponent
XU_HGF_TARGETS_REPRESSED_BY_AKT1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/XU_HGF_TARGETS_REPRESSED_BY_AKT1_UP	32	-0.353842	-100,689	0.443798	0.803299	Increased Expression with Increasing Exponent
BIOCARTA_CCR5_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CCR5_PATHWAY	53	-0.314638	-100,636	0.451807	0.803402	Increased Expression with Increasing Exponent
SHAFFER_IRF4_TARGETS_IN_MYELOMA_VS_MATURE_B_LYMPHOCYTE	http://www.broadinstitute.org/gsea/msigdb/cards/SHAFFER_IRF4_TARGETS_IN_MYELOMA_VS_MATURE	282	-0.265493	-100,707	0.449219	0.803421	Increased Expression with Increasing Exponent
KYNG_DNA_DAMAGE_BY_GAMMA_AND_UV_RADIATION	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_DNA_DAMAGE_BY_GAMMA_AND_UV_RADIAT	271	-0.220534	-100,481	0.450192	0.80355	Increased Expression with Increasing Exponent
NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NING_CHRONIC_OBSTRUCTIVE_PULMONARY_DISEASE	426	-0.218581	-10,054	0.462151	0.803841	Increased Expression with Increasing Exponent
BILANGES_RAPAMYCIN_SENSITIVE_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/BILANGES_RAPAMYCIN_SENSITIVE_GENES	98	-0.274441	-100,711	0.415354	0.803855	Increased Expression with Increasing Exponent
BIOCARTA_ARAP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ARAP_PATHWAY	50	-0.302162	-10,049	0.473988	0.803892	Increased Expression with Increasing Exponent
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN_QTL_TRANS	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN	449	-0.211566	-100,499	0.44	0.804208	Increased Expression with Increasing Exponent
FURUKAWA_DUSP6_TARGETS_PC135_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FURUKAWA_DUSP6_TARGETS_PC135_UP	152	-0.262025	-100,718	0.432653	0.804226	Increased Expression with Increasing Exponent
REACTOME_CTLA4_INHIBITORY_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CTLA4_INHIBITORY_SIGNALING	76	-0.261078	-100,718	0.429735	0.804735	Increased Expression with Increasing Exponent
MIKKELSEN_MEF_LCP_WITH_H3K4ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MEF_LCP_WITH_H3K4ME3	271	-0.290031	-100,817	0.448	0.805164	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_24HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_24HR_DN	457	-0.248284	-100,769	0.429423	0.805169	Increased Expression with Increasing Exponent
REACTOME_TRIF_MEDIATED_TLR3_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRIF_MEDIATED_TLR3_SIGNALING	187	-0.250082	-100,721	0.419355	0.805182	Increased Expression with Increasing Exponent
OXFORD_RALA_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OXFORD_RALA_TARGETS_UP	20	-0.339848	-100,744	0.455796	0.805212	Increased Expression with Increasing Exponent
SCHURINGA_STAT5A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHURINGA_STAT5A_TARGETS_DN	54	-0.388287	-100,786	0.492843	0.805327	Increased Expression with Increasing Exponent
LE_SKI_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LE_SKI_TARGETS_DN	26	-0.671769	-17,078	0.0214008	0.805394	Increased Expression with Increasing Exponent
SCHMIDT_POR_TARGETS_IN_LIMB_BUD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHMIDT_POR_TARGETS_IN_LIMB_BUD_DN	17	-0.394093	-10,083	0.466119	0.805403	Increased Expression with Increasing Exponent
DAVIES_MULTIPLE_MYELOMA_VS_MGUS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DAVIES_MULTIPLE_MYELOMA_VS_MGUS_DN	59	-0.349129	-100,993	0.484127	0.805501	Increased Expression with Increasing Exponent
HALMOS_CEBPA_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HALMOS_CEBPA_TARGETS_UP	123	-0.311678	-101,017	0.455446	0.805529	Increased Expression with Increasing Exponent
YAMAZAKI_TCEB3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YAMAZAKI_TCEB3_TARGETS_UP	465	-0.25996	-101,033	0.438247	0.805677	Increased Expression with Increasing Exponent
DACOSTA_ERCC3_ALLELE_XPCS_VS_TTD_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_ERCC3_ALLELE_XPCS_VS_TTD_UP	55	-0.282753	-101,073	0.439024	0.805868	Increased Expression with Increasing Exponent
FUNG_IL2_SIGNALING_1	http://www.broadinstitute.org/gsea/msigdb/cards/FUNG_IL2_SIGNALING_1	27	-0.362271	-100,322	0.479371	0.8059	Increased Expression with Increasing Exponent
YOSHIOKA_LIVER_CANCER_EARLY_RECURRENCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YOSHIOKA_LIVER_CANCER_EARLY_RECURRENCE_UP	88	-0.431897	-171,259	0.00403226	0.805904	Increased Expression with Increasing Exponent
ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_DN	131	-0.28088	-100,831	0.460606	0.805916	Increased Expression with Increasing Exponent
KEGG_VIRAL_MYOCARDITIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_VIRAL_MYOCARDITIS	191	-0.296577	-100,947	0.442424	0.806016	Increased Expression with Increasing Exponent
LIU_VAV3_PROSTATE_CARCINOGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_VAV3_PROSTATE_CARCINOGENESIS_UP	272	-0.29177	-101,039	0.416667	0.806067	Increased Expression with Increasing Exponent
CHUNG_BLISTER_CYTOTOXICITY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHUNG_BLISTER_CYTOTOXICITY_DN	116	-0.273396	-100,846	0.437126	0.806142	Increased Expression with Increasing Exponent
REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_B_CELL_RECEPTOR_I	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DOWNSTREAM_SIGNALING_EVENTS_OF_	236	-0.240065	-100,328	0.43222	0.806295	Increased Expression with Increasing Exponent
JIANG_AGING_CEREBRAL_CORTEX_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JIANG_AGING_CEREBRAL_CORTEX_DN	166	-0.258492	-100,278	0.454545	0.806319	Increased Expression with Increasing Exponent
BRIDEAU_IMPRINTED_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/BRIDEAU_IMPRINTED_GENES	174	-0.254518	-100,859	0.457732	0.806346	Increased Expression with Increasing Exponent
LIU_TOPBP1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_TOPBP1_TARGETS	57	-0.299401	-101,074	0.424861	0.806363	Increased Expression with Increasing Exponent
PID_ERBB1_INTERNALIZATION_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ERBB1_INTERNALIZATION_PATHWAY	135	-0.243404	-100,866	0.414634	0.806707	Increased Expression with Increasing Exponent
POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_CLASSIC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_C	145	-0.219556	-10,089	0.438247	0.806756	Increased Expression with Increasing Exponent
REACTOME_P75NTR_RECRUITS_SIGNALLING_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_P75NTR_RECRUITS_SIGNALLING_COMPLEX	23	-0.351298	-100,084	0.453649	0.808006	Increased Expression with Increasing Exponent
REACTOME_TRAF6_MEDIATED_INDUCION_OF_NFKB_AND_MAP_KINASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAF6_MEDIATED_INDUCION_OF_NFKB	196	-0.245393	-100,121	0.409182	0.808226	Increased Expression with Increasing Exponent
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN_QTL_CIS	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTRYKH_HEMATOPOIESIS_STEM_CELL_AND_BRAIN	156	-0.232267	-100,095	0.455115	0.808287	Increased Expression with Increasing Exponent
RAMALHO_STEMNESS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RAMALHO_STEMNESS_DN	193	-0.269477	-100,014	0.423459	0.808481	Increased Expression with Increasing Exponent
REACTOME_APOPTOSIS_INDUCED_DNA_FRAGMENTATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APOPTOSIS_INDUCED_DNA_FRAGMENTA	30	-0.373206	-100,133	0.449275	0.808486	Increased Expression with Increasing Exponent
AMUNDSON_GENOTOXIC_SIGNATURE	http://www.broadinstitute.org/gsea/msigdb/cards/AMUNDSON_GENOTOXIC_SIGNATURE	260	-0.227639	-100,149	0.461078	0.808663	Increased Expression with Increasing Exponent
REACTOME_G_ALPHA_Q_SIGNALLING_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G_ALPHA_Q_SIGNALLING_EVENTS	347	-0.236999	-0.999787	0.439453	0.808677	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_UP	174	-0.238301	-100,014	0.456432	0.808987	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_CONSTITUTIVELY_ACTIVE_EGFR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_CONSTITUTIVELY_ACTIVE	57	-0.310829	-0.999221	0.442886	0.809373	Increased Expression with Increasing Exponent
STEIN_ESRRA_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STEIN_ESRRA_TARGETS_DN	295	-0.225257	-0.998497	0.437624	0.809894	Increased Expression with Increasing Exponent
HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYT	155	-0.225702	-0.99825	0.472441	0.809904	Increased Expression with Increasing Exponent
TSAI_DNAJB4_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TSAI_DNAJB4_TARGETS_UP	35	-0.365977	-0.98717	0.44902	0.809941	Increased Expression with Increasing Exponent
HOLLEMAN_DAUNORUBICIN_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_DAUNORUBICIN_ALL_UP	15	-0.65909	-170,025	0.01341	0.810626	Increased Expression with Increasing Exponent
AZARE_STAT3_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/AZARE_STAT3_TARGETS	91	-0.496761	-164,365	0.0440613	0.81072	Increased Expression with Increasing Exponent
GAVIN_FOXP3_TARGETS_CLUSTER_P2	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_FOXP3_TARGETS_CLUSTER_P2	203	-0.250227	-0.997254	0.461856	0.811023	Increased Expression with Increasing Exponent
PEDERSEN_TARGETS_OF_611CTF_ISOFORM_OF_ERBB2	http://www.broadinstitute.org/gsea/msigdb/cards/PEDERSEN_TARGETS_OF_611CTF_ISOFORM_OF_ERBB	226	-0.28174	-0.996952	0.452611	0.811208	Increased Expression with Increasing Exponent
KIM_HYPOXIA	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_HYPOXIA	63	-0.364612	-0.997277	0.487179	0.811494	Increased Expression with Increasing Exponent
GUENTHER_GROWTH_SPHERICAL_VS_ADHERENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GUENTHER_GROWTH_SPHERICAL_VS_ADHERENT_DN	91	-0.382591	-0.990437	0.498024	0.812075	Increased Expression with Increasing Exponent
KEGG_NEUROTROPHIN_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NEUROTROPHIN_SIGNALING_PATHWAY	367	-0.222288	-0.996328	0.444444	0.812085	Increased Expression with Increasing Exponent
MURATA_VIRULENCE_OF_H_PILORI	http://www.broadinstitute.org/gsea/msigdb/cards/MURATA_VIRULENCE_OF_H_PILORI	61	-0.519785	-170,451	0.0193424	0.812096	Increased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS_VIA_7ALPHA_H	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_S	26	-0.345122	-0.990604	0.5	0.812229	Increased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_S	32	-0.342192	-0.990939	0.487379	0.812508	Increased Expression with Increasing Exponent
POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_CLASSIC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/POMEROY_MEDULLOBLASTOMA_DESMOPLASIC_VS_C	162	-0.267721	-0.986742	0.489152	0.812527	Increased Expression with Increasing Exponent
KRIEG_HYPOXIA_VIA_KDM3A	http://www.broadinstitute.org/gsea/msigdb/cards/KRIEG_HYPOXIA_VIA_KDM3A	150	-0.283894	-0.990619	0.473581	0.812702	Increased Expression with Increasing Exponent
TSENG_IRS1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TSENG_IRS1_TARGETS_UP	263	-0.232204	-0.995746	0.456175	0.812811	Increased Expression with Increasing Exponent
REACTOME_PURINE_CATABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PURINE_CATABOLISM	19	-0.343919	-0.991936	0.467433	0.812816	Increased Expression with Increasing Exponent
ST_ERK1_ERK2_MAPK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_ERK1_ERK2_MAPK_PATHWAY	95	-0.284049	-0.991695	0.44186	0.812861	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_WATER_BALANCE_BY_RENAL_AQUAPORINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_WATER_BALANCE_BY_I	110	-0.264355	-0.991411	0.446721	0.812968	Increased Expression with Increasing Exponent
YAMASHITA_LIVER_CANCER_WITH_EPCAM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YAMASHITA_LIVER_CANCER_WITH_EPCAM_UP	138	-0.31032	-0.990955	0.474409	0.812984	Increased Expression with Increasing Exponent
REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_GROWTH	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NCAM_SIGNALING_FOR_NEURITE_OUT_C	207	-0.244406	-0.986761	0.470472	0.812988	Increased Expression with Increasing Exponent
REACTOME_DOWNSTREAM_TCR_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DOWNSTREAM_TCR_SIGNALING	88	-0.277755	-0.991173	0.464684	0.813025	Increased Expression with Increasing Exponent
PID_INTEGRINS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INTEGRINS_PATHWAY	47	-0.372191	-0.987207	0.479042	0.813041	Increased Expression with Increasing Exponent
MATTIOLI_MGUS_VS_PCL	http://www.broadinstitute.org/gsea/msigdb/cards/MATTIOLI_MGUS_VS_PCL	347	-0.231287	-0.992048	0.454545	0.813073	Increased Expression with Increasing Exponent
BIOCARTA_ERKS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ERKS_PATHWAY	48	-0.53831	-164,485	0.0366795	0.813081	Increased Expression with Increasing Exponent
GALL_TP53_TARGETS_APOPTOTIC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GALL_TP53_TARGETS_APOPTOTIC_UP	21	-0.378449	-0.987383	0.473888	0.813147	Increased Expression with Increasing Exponent
SIG_REGULATION_OF_THE_ACTIN_CYTOSKELETON_BY_RHO_GTPASES	http://www.broadinstitute.org/gsea/msigdb/cards/SIG_REGULATION_OF_THE_ACTIN_CYTOSKELETON_BY	98	-0.475627	-164,653	0.0264766	0.81334	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_THE_FANCONI_ANEMIA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_THE_FANCONI_ANEMI	20	-0.362923	-0.986819	0.454373	0.813363	Increased Expression with Increasing Exponent
MORI_PLASMA_CELL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_PLASMA_CELL_UP	125	-0.30714	-0.985561	0.488753	0.813441	Increased Expression with Increasing Exponent
KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY_ARV	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CAR	223	-0.252547	-0.988885	0.47646	0.813501	Increased Expression with Increasing Exponent
PID_ILK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ILK_PATHWAY	133	-0.258658	-0.988409	0.46748	0.813507	Increased Expression with Increasing Exponent

REACTOME_SHC_MEDIATED_SIGNALLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SHC_MEDIATED_SIGNALLING	43	-0.305857	-0.99208	0.474409	0.813514	Increased Expression with Increasing Exponent
PID_ANGIOPOIETIN_RECEPTOR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ANGIOPOIETIN_RECEPTOR_PATHWAY	137	-0.262325	-0.987447	0.45809	0.813519	Increased Expression with Increasing Exponent
YU_MYC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YU_MYC_TARGETS_DN	147	-0.284829	-0.985218	0.456914	0.813655	Increased Expression with Increasing Exponent
PEREZ_TP53_AND_TP63_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/PEREZ_TP53_AND_TP63_TARGETS	500	-0.224747	-0.987795	0.44358	0.813782	Increased Expression with Increasing Exponent
REACTOME_COMPLEMENT_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_COMPLEMENT_CASCADE	54	-0.344593	-0.992173	0.478261	0.813819	Increased Expression with Increasing Exponent
PID_HNF3A_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HNF3A_PATHWAY	119	-0.236644	-0.985622	0.469667	0.813819	Increased Expression with Increasing Exponent
SAMOLS_TARGETS_OF_KHSV_MIRNAS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SAMOLS_TARGETS_OF_KHSV_MIRNAS_UP	23	-0.34036	-0.987535	0.477459	0.813826	Increased Expression with Increasing Exponent
REACTOME_IRAK1_RECRUITS_IKK_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IRAK1_RECRUITS_IKK_COMPLEX	23	-0.342641	-0.983912	0.463221	0.813855	Increased Expression with Increasing Exponent
MISSIAGLIA_REGULATED_BY_METHYLATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MISSIAGLIA_REGULATED_BY_METHYLATION_UP	299	-0.268553	-0.995	0.456914	0.81388	Increased Expression with Increasing Exponent
ASTON_MAJOR_DEPRESSIVE_DISORDER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ASTON_MAJOR_DEPRESSIVE_DISORDER_DN	482	-0.246733	-0.989145	0.463415	0.813938	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_5	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_5	85	-0.358173	-0.988911	0.494949	0.813964	Increased Expression with Increasing Exponent
BIOCARTA_CARDIACEGF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CARDIACEGF_PATHWAY	53	-0.32266	-0.984577	0.472505	0.81397	Increased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C6	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C6	81	-0.264786	-0.988424	0.471092	0.813978	Increased Expression with Increasing Exponent
SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM5	http://www.broadinstitute.org/gsea/msigdb/cards/SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM5	224	-0.209782	-0.989338	0.488506	0.814018	Increased Expression with Increasing Exponent
REACTOME_GABA_B_RECEPTOR_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GABA_B_RECEPTOR_ACTIVATION	90	-0.268692	-0.985755	0.453649	0.814068	Increased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C2	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C2	152	-0.255286	-0.994666	0.445759	0.814069	Increased Expression with Increasing Exponent
CHIARETTI_T_ALL_RELAPSE_PROGNOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARETTI_T_ALL_RELAPSE_PROGNOSIS	37	-0.32146	-0.987894	0.472112	0.814085	Increased Expression with Increasing Exponent
IWANAGA_CARCIINOGENESIS_BY_KRAS_PTEN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IWANAGA_CARCIINOGENESIS_BY_KRAS_PTEN_UP	397	-0.210972	-0.984013	0.474187	0.814136	Increased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_C_CLUSTER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_C_CLUSTER_UP	97	-0.27729	-0.993371	0.4772946	0.814227	Increased Expression with Increasing Exponent
BORLAK_LIVER_CANCER_EGF_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BORLAK_LIVER_CANCER_EGF_UP	123	-0.285043	-0.992213	0.457732	0.814232	Increased Expression with Increasing Exponent
STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_UP	232	-0.231946	-0.993606	0.45614	0.814263	Increased Expression with Increasing Exponent
PAL_PRMT5_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PAL_PRMT5_TARGETS_DN	65	-0.284409	-0.98464	0.467181	0.814329	Increased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_INTERFERON_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_INTERFERON_UP	50	-0.352281	-0.994286	0.47495	0.814372	Increased Expression with Increasing Exponent
ABE_INNER_EAR	http://www.broadinstitute.org/gsea/msigdb/cards/ABE_INNER_EAR	111	-0.25881	-0.984107	0.477459	0.814445	Increased Expression with Increasing Exponent
PURBEY_TARGETS_OF_CTBP1_AND_SATB1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PURBEY_TARGETS_OF_CTBP1_AND_SATB1_DN	481	-0.208132	-0.993665	0.468085	0.814669	Increased Expression with Increasing Exponent
BIOCARTA_G2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_G2_PATHWAY	65	-0.344526	-0.992249	0.478088	0.814675	Increased Expression with Increasing Exponent
CERVERA_SDHB_TARGETS_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CERVERA_SDHB_TARGETS_1_UP	264	-0.243025	-0.992688	0.468627	0.81474	Increased Expression with Increasing Exponent
PID_NFAT_3PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NFAT_3PATHWAY	166	-0.241376	-0.992365	0.45776	0.814928	Increased Expression with Increasing Exponent
OUELLET_CULTURED_OVARIAN_CANCER_INVASIVE_VS_LMP_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OUELLET_CULTURED_OVARIAN_CANCER_INVASIVE_VS_LMP_DN	85	-0.268181	-0.993707	0.46988	0.81509	Increased Expression with Increasing Exponent
LABBE_WNT3A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LABBE_WNT3A_TARGETS_DN	221	-0.235754	-0.992757	0.472222	0.815118	Increased Expression with Increasing Exponent
RASHI_NFKB1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/RASHI_NFKB1_TARGETS	49	-0.603277	-170.843	0.020794	0.8162	Increased Expression with Increasing Exponent
LIM_MAMMARY_LUMINAL_MATURE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIM_MAMMARY_LUMINAL_MATURE_DN	293	-0.237664	-0.982422	0.462322	0.816502	Increased Expression with Increasing Exponent
PID_MYC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_MYC_PATHWAY	70	-0.268851	-0.981938	0.486538	0.816553	Increased Expression with Increasing Exponent
LE_SKI_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LE_SKI_TARGETS_UP	60	-0.31575	-0.982081	0.496933	0.816723	Increased Expression with Increasing Exponent
ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ICHIBA_GRAFT_VERSUS_HOST_DISEASE_D7_UP	230	-0.335523	-0.981452	0.478346	0.817091	Increased Expression with Increasing Exponent
DAUER_STAT3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DAUER_STAT3_TARGETS_UP	129	-0.573237	-171.337	0.0436433	0.817382	Increased Expression with Increasing Exponent
BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BERENJENO_ROCK_SIGNALING_NOT_VIA_RHOA_UP	61	-0.296968	-0.981036	0.466919	0.817459	Increased Expression with Increasing Exponent
ALTEMEIER_RESPONSE_TO_LPS_WITH_MECHANICAL_VENTILATION	http://www.broadinstitute.org/gsea/msigdb/cards/ALTEMEIER_RESPONSE_TO_LPS_WITH_MECHANICAL_VENTILATION	258	-0.530888	-164.742	0.0639535	0.817697	Increased Expression with Increasing Exponent
TSAI_RESPONSE_TO_IONIZING_RADIATION	http://www.broadinstitute.org/gsea/msigdb/cards/TSAI_RESPONSE_TO_IONIZING_RADIATION	364	-0.24003	-0.980281	0.464286	0.818633	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_12HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_12HR_UP	281	-0.21705	-0.979927	0.487903	0.818912	Increased Expression with Increasing Exponent
TSAI_RESPONSE_TO_RADIATION_THERAPY	http://www.broadinstitute.org/gsea/msigdb/cards/TSAI_RESPONSE_TO_RADIATION_THERAPY	81	-0.56348	-164.882	0.0511811	0.818959	Increased Expression with Increasing Exponent
GROSS_HYPOXIA_VIA_ELK3_ONLY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HYPOXIA_VIA_ELK3_ONLY_UP	79	-0.526461	-179.957	0.0056391	0.819947	Increased Expression with Increasing Exponent
VANHARANTA_UTERINE_FIBROID_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANHARANTA_UTERINE_FIBROID_UP	124	-0.260884	-0.977533	0.458586	0.820972	Increased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_PC	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_PC	42	-0.292206	-0.978155	0.496047	0.821148	Increased Expression with Increasing Exponent
KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PROGESTERONE_MEDIATED_OOCYTE_MATURATION	224	-0.208242	-0.977649	0.503922	0.821225	Increased Expression with Increasing Exponent
GRAHAM_CML_QUIESCENT_VS_NORMAL_QUIESCENT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_QUIESCENT_VS_NORMAL_QUIESCENT_UP	189	-0.267674	-0.97828	0.468687	0.821371	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_7_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_7_UP	271	-0.206583	-0.977769	0.46833	0.821489	Increased Expression with Increasing Exponent
WIERENGA_PML_INTERACTOME	http://www.broadinstitute.org/gsea/msigdb/cards/WIERENGA_PML_INTERACTOME	114	-0.28419	-0.978402	0.478764	0.821615	Increased Expression with Increasing Exponent
VANDESLUIS_COMMD1_TARGETS_GROUP_4_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANDESLUIS_COMMD1_TARGETS_GROUP_4_DN	29	-0.312205	-0.976549	0.478175	0.822545	Increased Expression with Increasing Exponent
GOLUB_ALL_VS_AML_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GOLUB_ALL_VS_AML_UP	66	-0.2825	-0.976301	0.478351	0.822588	Increased Expression with Increasing Exponent
EHLERS_ANEUPLOIDY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/EHLERS_ANEUPLOIDY_UP	122	-0.246691	-0.975794	0.492248	0.823183	Increased Expression with Increasing Exponent
NAGASHIMA_EGF_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NAGASHIMA_EGF_SIGNALING_UP	127	-0.602935	-171.471	0.0524272	0.82359	Increased Expression with Increasing Exponent
BRACHAT_RESPONSE_TO_METHOTREXATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BRACHAT_RESPONSE_TO_METHOTREXATE_DN	72	-0.320936	-0.975293	0.485714	0.823677	Increased Expression with Increasing Exponent
REACTOME_THROMBOXANE_SIGNALLING_THROUGH_TP_RECEPTOR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_THROMBOXANE_SIGNALLING_THROUGH_TP_RECEPTOR	57	-0.290588	-0.973819	0.4846	0.823745	Increased Expression with Increasing Exponent
SA_PTEN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/SA_PTEN_PATHWAY	57	-0.570004	-196.282	0.00184502	0.823759	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_12HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_12HR_DN	307	-0.121262	-0.974268	0.499022	0.823842	Increased Expression with Increasing Exponent
MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_DN	381	-0.234236	-0.974476	0.469262	0.823908	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_8HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_8HR_DN	113	-0.227017	-0.973942	0.499006	0.823996	Increased Expression with Increasing Exponent
WATANABE_RECTAL_CANCER_RADIO_THERAPY_RESPONSIVE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WATANABE_RECTAL_CANCER_RADIO_THERAPY_RESPONSIVE_DN	236	-0.245925	-0.97457	0.458175	0.824201	Increased Expression with Increasing Exponent
PETROVA_ENDOTHELIUM_LYMPHATIC_VS_BLOOD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PETROVA_ENDOTHELIUM_LYMPHATIC_VS_BLOOD_DN	368	-0.27352	-0.974741	0.484127	0.82436	Increased Expression with Increasing Exponent
GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_UP	116	-0.535807	-180.344	0.00595238	0.824596	Increased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G23_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G23_UP	201	-0.310422	-0.973124	0.479592	0.824696	Increased Expression with Increasing Exponent
SASAI_TARGETS_OF_CXCR6_AND_PTCH1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SASAI_TARGETS_OF_CXCR6_AND_PTCH1_UP	23	-0.363646	-17.902	0.019685	0.825055	Increased Expression with Increasing Exponent
GRADE_COLON_VS_RECTAL_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GRADE_COLON_VS_RECTAL_CANCER_UP	102	-0.263384	-0.972639	0.466	0.82518	Increased Expression with Increasing Exponent
BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BHATI_G2M_ARREST_BY_2METHOXYESTRADIOL_DN	262	-0.223407	-0.971375	0.500978	0.825344	Increased Expression with Increasing Exponent
CHESLER_BRAIN_HIGHEST_EXPRESSION	http://www.broadinstitute.org/gsea/msigdb/cards/CHESLER_BRAIN_HIGHEST_EXPRESSION	132	-0.459306	-170.029	0.00197628	0.825437	Increased Expression with Increasing Exponent
HUI_MAPK14_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUI_MAPK14_TARGETS_UP	47	-0.296874	-0.971485	0.474708	0.825617	Increased Expression with Increasing Exponent
STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STAMBOLSKY_RESPONSE_TO_VITAMIN_D3_DN	71	-0.266256	-0.97214	0.528942	0.825701	Increased Expression with Increasing Exponent
RIZ_ERYTHROID_DIFFERENTIATION_CCNE1	http://www.broadinstitute.org/gsea/msigdb/cards/RIZ_ERYTHROID_DIFFERENTIATION_CCNE1	109	-0.241592	-0.969965	0.521298	0.825809	Increased Expression with Increasing Exponent
MIKKELSEN_IPS_WITH_HCP_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_IPS_WITH_HCP_H3K27ME3	200	-0.246601	-0.971576	0.479769	0.82593	Increased Expression with Increasing Exponent
RAMASWAMY_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RAMASWAMY_METASTASIS_DN	184	-0.233166	-0.970069	0.499006	0.826083	Increased Expression with Increasing Exponent
IKEDA_MIR1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IKEDA_MIR1_TARGETS_UP	176	-0.267595	-0.969101	0.476285	0.826113	Increased Expression with Increasing Exponent
REACTOME_MEIOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MEIOSIS	192	-0.266091	-0.969528	0.480962	0.826209	Increased Expression with Increasing Exponent
VALK_AML_WITH_FLT3_ITD	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_WITH_FLT3_ITD	90	-0.255282	-0.971661	0.509881	0.826248	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP	136	-0.326423	-0.970204	0.503922	0.826312	Increased Expression with Increasing Exponent
DUNNE_TARGETS_OF_AML1_MTG8_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DUNNE_TARGETS_OF_AML1_MTG8_FUSION_UP	116	-0.288612	-0.969224	0.474542	0.826347	Increased Expression with Increasing Exponent
WHITFIELD_CELL_CYCLE_M_G1	http://www.broadinstitute.org/gsea/msigdb/cards/WHITFIELD_CELL_CYCLE_M_G1	430	-0.239411	-0.970322	0.48723	0.826557	Increased Expression with Increasing Exponent
NAKAMURA_METASTASIS	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_METASTASIS	117	-0.254589	-0.970523	0.479125	0.826663	Increased Expression with Increasing Exponent
WAGSCHAL_EHMT2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WAGSCHAL_EHMT2_TARGETS_UP	21	-0.334574	-0.968591	0.510934	0.826689	Increased Expression with Increasing Exponent
FUNG_IL2_TARGETS_WITH_STAT5_BINDING_SITES	http://www.broadinstitute.org/gsea/msigdb/cards/FUNG_IL2_TARGETS_WITH_STAT5_BINDING_SITES	18	-0.404041	-0.967553	0.502049	0.826861	Increased Expression with Increasing Exponent
KONG_E2F1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KONG_E2F1_TARGETS	33	-0.329829	-0.968158	0.48583	0.827083	Increased Expression with Increasing Exponent
HOWLIN_CITED1_TARGETS_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOWLIN_CITED1_TARGETS_1_DN	102	-0.283351	-0.965774	0.486708	0.827181	Increased Expression with Increasing Exponent
HEIDENBLAD_AMPLICON_12P11_12_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HEIDENBLAD_AMPLICON_12P11_12_DN	59	-0.27706	-0.966233	0.477388	0.827227	Increased Expression with Increasing Exponent
NEMETH_INFLAMMATORY_RESPONSE_LPS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NEMETH_INFLAMMATORY_RESPONSE_LPS_DN	87	-0.291044	-0.967613	0.485772	0.827244	Increased Expression with Increasing Exponent
REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSPORTERS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_AMINO_ACID_AND_OLIGOPEPTIDE_SLC_TRANSPORTERS	105	-0.265614	-0.966368	0.488281	0.827413	Increased Expression with Increasing Exponent
NAKAMURA_CANCER_MICROENVIRONMENT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_CANCER_MICROENVIRONMENT_UP	70	-0.304147	-0.965896	0.50503	0.827447	Increased Expression with Increasing Exponent
TSUTSUMI_FBXW8_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/TSUTSUMI_FBXW8_TARGETS	18	-0.327984	-0.967696	0.511247	0.827553	Increased Expression with Increasing Exponent
KEGG_NITROGEN_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NITROGEN_METABOLISM	57	-0.295955	-0.966731	0.488327	0.827624	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_5_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_5_DN	95	-0.265202	-0.966915	0.50996	0.827734	Increased Expression with Increasing Exponent
PID_AR_TF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_AR_TF_PATHWAY	170	-0.244012	-0.96644	0.508876	0.827749	Increased Expression with Increasing Exponent
REACTOME_PROSTACYCLIN_SIGNALLING_THROUGH_PROSTACYCLIN_RECEPTOR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROSTACYCLIN_SIGNALLING_THROUGH_PROSTACYCLIN_RECEPTOR	50	-0.291787	-0.964817	0.483685	0.828737	Increased Expression with Increasing Exponent
GALIE_TUMOR_STEMNESS_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/GALIE_TUMOR_STEMNESS_GENES	15	-0.386115	-0.958968	0.52037	0.829221	Increased Expression with Increasing Exponent
PID_AURORA_A_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_AURORA_A_PATHWAY	84	-0.291437	-0.961651	0.504951	0.829464	Increased Expression with Increasing Exponent
ZHU_CMV_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHU_CMV_ALL_UP	286	-0.264295	-0.958365	0.504115	0.829483	Increased Expression with Increasing Exponent
REACTOME_HORMONE_LIGAND_BINDING_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HORMONE_LIGAND_BINDING_RECEPTORS	16	-0.367337	-0.959006	0.483235	0.829631	Increased Expression with Increasing Exponent
WANG_TARGETS_OF_MLL_CBP_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_TARGETS_OF_MLL_CBP_FUSION_UP	101	-0.247128	-0.957115	0.50499	0.829676	Increased Expression with Increasing Exponent
JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JECHLINGER_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_UP	167	-0.216006	-0.961281	0.51927	0.829754	Increased Expression with Increasing Exponent
REACTOME_SEMA3A_PAK_DEPENDENT_AXON_REPULSION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SEMA3A_PAK_DEPENDENT_AXON_REPULSION	48	-0.303463	-0.957272	0.511811	0.829832	Increased Expression with Increasing Exponent

REACTOME_NOTCH1_INTRACELLULAR_DOMAIN_REGULATES_TRANSCRIPT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NOTCH1_INTRACELLULAR_DOMAIN_REGI	116	-0.250457	-0.958416	0.505837	0.829877	Increased Expression with Increasing Exponent
ONDER_CDH1_TARGETS_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ONDER_CDH1_TARGETS_1_UP	396	-0.202199	-0.961681	0.52952	0.829885	Increased Expression with Increasing Exponent
BIOCARTA_CASPASE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CASPASE_PATHWAY	64	-0.309911	-0.960273	0.489109	0.829973	Increased Expression with Increasing Exponent
RICKMAN_TUMOR_DIFFERENTIATED_MODERATELY_VS_POORLY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_TUMOR_DIFFERENTIATED_MODERATELY_V	307	-0.2356	-0.960698	0.527778	0.830047	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_5	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CL	62	-0.270226	-0.962315	0.498016	0.830058	Increased Expression with Increasing Exponent
RASHI_RESPONSE_TO_IONIZING_RADIATION_5	http://www.broadinstitute.org/gsea/msigdb/cards/RASHI_RESPONSE_TO_IONIZING_RADIATION_5	362	-0.192361	-0.959029	0.548583	0.83006	Increased Expression with Increasing Exponent
REACTOME_ADP_SIGNALLING_THROUGH_P2RY1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ADP_SIGNALLING_THROUGH_P2RY1	63	-0.275982	-0.955488	0.504237	0.830157	Increased Expression with Increasing Exponent
REACTOME_TRAFFICKING_AND_PROCESSING_OF_ENDOSOMAL_TLR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAFFICKING_AND_PROCESSING_OF_EN	29	-0.417922	-0.962717	0.521739	0.830222	Increased Expression with Increasing Exponent
REACTOME_TGF_BETA_RECEPTOR_SIGNALING_IN_EMT_EPITHELIAL_TO_v	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TGF_BETA_RECEPTOR_SIGNALING_IN	EM 34	-0.312734	-0.961971	0.508671	0.830288	Increased Expression with Increasing Exponent
JU_AGING_TERC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JU_AGING_TERC_TARGETS_UP	21	-0.359626	-0.957284	0.502901	0.830295	Increased Expression with Increasing Exponent
DE_YY1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DE_YY1_TARGETS_UP	49	-0.290588	-0.962417	0.501953	0.83036	Increased Expression with Increasing Exponent
LENAOUR_DENDRITIC_CELL_MATURATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LENAOUR_DENDRITIC_CELL_MATURATION_UP	279	-0.258458	-0.961684	0.50501	0.83037	Increased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_24HR_3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_24HR_3_UP	23	-0.352665	-0.9603	0.514463	0.830408	Increased Expression with Increasing Exponent
KRIEG_KDM3A_TARGETS_NOT_HYPOXIA	http://www.broadinstitute.org/gsea/msigdb/cards/KRIEG_KDM3A_TARGETS_NOT_HYPOXIA	447	-0.217058	-0.959814	0.49692	0.830413	Increased Expression with Increasing Exponent
ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGE	288	-0.253022	-0.959092	0.485549	0.830423	Increased Expression with Increasing Exponent
YAMASHITA_METHYLATED_IN_PROSTATE_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/YAMASHITA_METHYLATED_IN_PROSTATE_CANCER	106	-0.27909	-0.962866	0.493952	0.830425	Increased Expression with Increasing Exponent
ABBUD_LIF_SIGNALING_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ABBUD_LIF_SIGNALING_2_UP	48	-0.30385	-0.960742	0.50289	0.830444	Increased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_12Q13_Q21_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_12Q13_Q21_AMPLICON	117	-0.366647	-0.963735	0.521657	0.8306	Increased Expression with Increasing Exponent
ZHAN_V2_LATE_DIFFERENTIATION_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_V2_LATE_DIFFERENTIATION_GENES	112	-0.284611	-0.96302	0.490946	0.830607	Increased Expression with Increasing Exponent
SERVITJA_LIVER_HNF1A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SERVITJA_LIVER_HNF1A_TARGETS_UP	303	-0.233115	-0.955497	0.535354	0.830621	Increased Expression with Increasing Exponent
PECE_MAMMARY_STEM_CELL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PECE_MAMMARY_STEM_CELL_UP	392	-0.236374	-0.955932	0.479371	0.830679	Increased Expression with Increasing Exponent
DACOSTA_LOW_DOSE_UV_RESPONSE_VIA_ERCC3_XPCS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_LOW_DOSE_UV_RESPONSE_VIA_ERCC3_XP	45	-0.281035	-0.953627	0.508671	0.830686	Increased Expression with Increasing Exponent
MEISSNER_ES_ICP_WITH_H3K4ME3_AND_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_ES_ICP_WITH_H3K4ME3_AND_H3K27ME3	18	-0.336701	-0.957317	0.520161	0.83073	Increased Expression with Increasing Exponent
PID_LPA4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_LPA4_PATHWAY	40	-0.303421	-0.957532	0.483101	0.830752	Increased Expression with Increasing Exponent
ROLEF_GLI33_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/ROLEF_GLI33_TARGETS	66	-0.277495	-0.955623	0.522727	0.830843	Increased Expression with Increasing Exponent
DORSAM_HOXA9_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DORSAM_HOXA9_TARGETS_UP	94	-0.231067	-0.963142	0.527831	0.83085	Increased Expression with Increasing Exponent
DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_DN	309	-0.230568	-0.959098	0.478599	0.830897	Increased Expression with Increasing Exponent
RICKMAN_HEAD_AND_NECK_CANCER_C	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_HEAD_AND_NECK_CANCER_C	227	-0.243537	-0.9633	0.508637	0.831001	Increased Expression with Increasing Exponent
KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_VASCULAR_SMOOTH_MUSCLE_CONTRACTION	314	-0.235266	-0.955984	0.50924	0.831055	Increased Expression with Increasing Exponent
HILLION_HMGA1B_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/HILLION_HMGA1B_TARGETS	215	-0.227915	-0.956222	0.512346	0.831081	Increased Expression with Increasing Exponent
PATTERSON_DOCETAXEL_RESISTANCE	http://www.broadinstitute.org/gsea/msigdb/cards/PATTERSON_DOCETAXEL_RESISTANCE	86	-0.264986	-0.953195	0.522449	0.831095	Increased Expression with Increasing Exponent
FOSTER_TOLERANT_MACROPHAGE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FOSTER_TOLERANT_MACROPHAGE_UP	385	-0.234854	-0.953878	0.51277	0.831122	Increased Expression with Increasing Exponent
CARD_MIR302A_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/CARD_MIR302A_TARGETS	213	-0.243472	-0.954785	0.514852	0.831148	Increased Expression with Increasing Exponent
WESTON_VEGFA_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/WESTON_VEGFA_TARGETS	245	-0.237923	-0.95363	0.505859	0.831167	Increased Expression with Increasing Exponent
REACTOME_SHC1_EVENTS_IN_EGFR_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SHC1_EVENTS_IN_EGFR_SIGNALING	49	-0.280779	-0.951728	0.501938	0.831276	Increased Expression with Increasing Exponent
PID_SHP2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_SHP2_PATHWAY	182	-0.227	-0.952836	0.537864	0.831348	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_22	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_22	37	-0.657657	-188,952	0.00595238	0.831368	Increased Expression with Increasing Exponent
LUDWICZEK_TREATING_IRON_OVERLOAD	http://www.broadinstitute.org/gsea/msigdb/cards/LUDWICZEK_TREATING_IRON_OVERLOAD	16	-0.3969	-0.959102	0.525253	0.83138	Increased Expression with Increasing Exponent
SCHRAMM_INHBA_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHRAMM_INHBA_TARGETS_DN	71	-0.260131	-0.951894	0.520468	0.831405	Increased Expression with Increasing Exponent
REACTOME_AQUAPORIN_MEDIATED_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_AQUAPORIN_MEDIATED_TRANSPORT	118	-0.249882	-0.95394	0.507157	0.831457	Increased Expression with Increasing Exponent
PID_RHOA_REG_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RHOA_REG_PATHWAY	149	-0.226459	-0.95202	0.530815	0.831634	Increased Expression with Increasing Exponent
KEGG_SPLICEOSOME	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_SPLICEOSOME	312	-0.316027	-0.952169	0.53719	0.831797	Increased Expression with Increasing Exponent
BIOCARTA_CBL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CBL_PATHWAY	56	-0.304034	-0.952368	0.53629	0.831854	Increased Expression with Increasing Exponent
WINNEPENNINGCKX_MELANOMA_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WINNEPENNINGCKX_MELANOMA_METASTASIS_DN	91	-0.274528	-0.953941	0.498016	0.831941	Increased Expression with Increasing Exponent
BILANGES_RAPAMYCIN_SENSITIVE_VIA_TSC1_AND_TSC2	http://www.broadinstitute.org/gsea/msigdb/cards/BILANGES_RAPAMYCIN_SENSITIVE_VIA_TSC1_AND_T	182	-0.283765	-0.95415	0.497099	0.831967	Increased Expression with Increasing Exponent
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_6HR_	205	-0.235864	-0.950935	0.519348	0.832414	Increased Expression with Increasing Exponent
BRACHAT_RESPONSE_TO_CAMPTOTHECIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BRACHAT_RESPONSE_TO_CAMPTOTHECIN_DN	113	-0.280298	-0.944495	0.542977	0.832847	Increased Expression with Increasing Exponent
LANDIS_BREAST_CANCER_PROGRESSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LANDIS_BREAST_CANCER_PROGRESSION_DN	159	-0.271529	-0.950403	0.535211	0.833067	Increased Expression with Increasing Exponent
NIELSEN_SYNOVIAL_SARCOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_SYNOVIAL_SARCOMA_UP	40	-0.294113	-0.945239	0.532164	0.833176	Increased Expression with Increasing Exponent
MANTOVANI_NFKB_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MANTOVANI_NFKB_TARGETS_DN	15	-0.317041	-0.944544	0.560575	0.833218	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLI	50	-0.31452	-0.944753	0.53484	0.833251	Increased Expression with Increasing Exponent
REACTOME_RNA_POL_I_RNA_POL_III_AND_MITOCHONDRIAL_TRANSCRIPT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_I_RNA_POL_III_AND_MITOCH	218	-0.255262	-0.949611	0.511858	0.833268	Increased Expression with Increasing Exponent
REACTOME_G_ALPHA_1_SIGNALLING_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G_ALPHA_1_SIGNALLING_EVENTS	339	-0.237348	-0.950041	0.505791	0.833358	Increased Expression with Increasing Exponent
KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXICITY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NATURAL_KILLER_CELL_MEDIATED_CYTOTOXIC	320	-0.249777	-0.944922	0.514113	0.833386	Increased Expression with Increasing Exponent
MANTOVANI_NFKB_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MANTOVANI_NFKB_TARGETS_UP	97	-0.259909	-0.949727	0.493724	0.833522	Increased Expression with Increasing Exponent
REACTOME_NEGATIVE_REGULATION_OF_FGFR_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NEGATIVE_REGULATION_OF_FGFR_SIGN	104	-0.243709	-0.945285	0.53629	0.833559	Increased Expression with Increasing Exponent
OSADA_ASCL1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OSADA_ASCL1_TARGETS_DN	70	-0.310172	-0.949101	0.505976	0.833871	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_24HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_24HR_UP	357	-0.201683	-0.945364	0.572597	0.833876	Increased Expression with Increasing Exponent
BIOCARTA_CERAMIDE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CERAMIDE_PATHWAY	55	-0.250237	-0.943763	0.558522	0.833917	Increased Expression with Increasing Exponent
RAY_TARGETS_OF_P210_BCR_ABL_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RAY_TARGETS_OF_P210_BCR_ABL_FUSION_DN	58	-0.260078	-0.946231	0.51503	0.834036	Increased Expression with Increasing Exponent
KAUFFMANN_MELANOMA_RELAPSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KAUFFMANN_MELANOMA_RELAPSE_DN	22	-0.327027	-0.945982	0.51277	0.834047	Increased Expression with Increasing Exponent
PETROVA_PROX1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PETROVA_PROX1_TARGETS_DN	157	-0.285151	-0.946442	0.518145	0.834057	Increased Expression with Increasing Exponent
SHEDDEN_LUNG_CANCER_GOOD_SURVIVAL_A5	http://www.broadinstitute.org/gsea/msigdb/cards/SHEDDEN_LUNG_CANCER_GOOD_SURVIVAL_A5	206	-0.25963	-0.945719	0.531873	0.834107	Increased Expression with Increasing Exponent
REACTOME_G_ALPHA_Z_SIGNALLING_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G_ALPHA_Z_SIGNALLING_EVENTS	106	-0.24765	-0.945473	0.532673	0.834132	Increased Expression with Increasing Exponent
HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_U	256	-0.218202	-0.9466	0.556	0.834196	Increased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C1	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C1	169	-0.24148	-0.943259	0.524558	0.834524	Increased Expression with Increasing Exponent
PID_ARF_3PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ARF_3PATHWAY	60	-0.269756	-0.946657	0.500931	0.834577	Increased Expression with Increasing Exponent
LINDSTEDT_DENDRITIC_CELL_MATURATION_D	http://www.broadinstitute.org/gsea/msigdb/cards/LINDSTEDT_DENDRITIC_CELL_MATURATION_D	181	-0.284047	-0.940868	0.509881	0.834766	Increased Expression with Increasing Exponent
DAIRKEE_CANCER_PRONE_RESPONSE_BPA_E2	http://www.broadinstitute.org/gsea/msigdb/cards/DAIRKEE_CANCER_PRONE_RESPONSE_BPA_E2	313	-0.21218	-0.946746	0.525151	0.834863	Increased Expression with Increasing Exponent
GROSS_HYPOXIA_VIA_ELK3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HYPOXIA_VIA_ELK3_DN	401	-0.436374	-171,553	0.0213178	0.834897	Increased Expression with Increasing Exponent
HOELZEL_NF1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOELZEL_NF1_TARGETS_UP	431	-0.219589	-0.941181	0.550696	0.835089	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_COMPLEMENT_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_COMPLEMENT_CASCA	29	-0.37689	-0.94022	0.510763	0.835092	Increased Expression with Increasing Exponent
PID_INTEGRIN_CS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INTEGRIN_CS_PATHWAY	74	-0.299199	-0.940935	0.515385	0.835102	Increased Expression with Increasing Exponent
REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND_SUBSEQUEN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FORMATION_OF_THE_TERNARY_COMPLE	115	-0.330085	-0.942753	0.525194	0.835121	Increased Expression with Increasing Exponent
YAO_HOXA10_TARGETS_VIA_PROGESTERONE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_HOXA10_TARGETS_VIA_PROGESTERONE_DN	35	-0.341163	-0.940428	0.532946	0.835149	Increased Expression with Increasing Exponent
SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_LMP1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SENGUPTA_NASOPHARYNGEAL_CARCINOMA_WITH_L	402	-0.236564	-0.946809	0.557087	0.835209	Increased Expression with Increasing Exponent
MCBRYAN_PUBERTAL_BREAST_3_4WK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCBRYAN_PUBERTAL_BREAST_3_4WK_DN	117	-0.230067	-0.941259	0.559671	0.835394	Increased Expression with Increasing Exponent
TSENG_ADIPOGENIC_POTENTIAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TSENG_ADIPOGENIC_POTENTIAL_UP	70	-0.249529	-0.947175	0.535433	0.835449	Increased Expression with Increasing Exponent
BIOCARTA_CXCR4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CXCR4_PATHWAY	64	-0.273885	-0.946902	0.528942	0.835504	Increased Expression with Increasing Exponent
ROSS_AML_WITH_AML1_ETO_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/ROSS_AML_WITH_AML1_ETO_FUSION	155	-0.226894	-0.941346	0.528046	0.835704	Increased Expression with Increasing Exponent
GRADE_COLON_AND_RECTAL_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRADE_COLON_AND_RECTAL_CANCER_DN	254	-0.205384	-0.947207	0.54649	0.83587	Increased Expression with Increasing Exponent
MARKS_ACETYLATED_NON_HISTONE_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/MARKS_ACETYLATED_NON_HISTONE_PROTEINS	36	-0.312962	-0.947846	0.507307	0.836001	Increased Expression with Increasing Exponent
BIOCARTA_CALCINEURIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CALCINEURIN_PATHWAY	70	-0.271767	-0.94758	0.513458	0.836036	Increased Expression with Increasing Exponent
ZHU_CMV_24_HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHU_CMV_24_HR_UP	222	-0.260427	-0.941367	0.528184	0.836141	Increased Expression with Increasing Exponent
REACTOME_HYALURONAN_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HYALURONAN_METABOLISM	40	-0.331821	-0.947224	0.518812	0.83631	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX6_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER	15	-0.381842	-0.941423	0.535124	0.83649	Increased Expression with Increasing Exponent
REACTOME_INFLUENZA_LIFE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INFLUENZA_LIFE_CYCLE	356	-0.291984	-0.938567	0.52505	0.836539	Increased Expression with Increasing Exponent
REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINI	96	-0.320555	-0.939289	0.490982	0.836558	Increased Expression with Increasing Exponent
REACTOME_PRE_NOTCH_EXPRESSION_AND_PROCESSING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PRE_NOTCH_EXPRESSION_AND_PROCESS	115	-0.233254	-0.941615	0.527383	0.83658	Increased Expression with Increasing Exponent
BIOCARTA_IL4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL4_PATHWAY	27	-0.653781	-178,476	0.00986193	0.836636	Increased Expression with Increasing Exponent
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_U	460	-0.242774	-0.938923	0.489443	0.836829	Increased Expression with Increasing Exponent
BIOCARTA_TOLL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TOLL_PATHWAY	90	-0.249945	-0.938658	0.550696	0.836845	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_HSC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_HSC	447	-0.248281	-0.937976	0.494141	0.836845	Increased Expression with Increasing Exponent
MIZUKAMI_HYPOXIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MIZUKAMI_HYPOXIA_UP	22	-0.364319	-0.935216	0.545809	0.836851	Increased Expression with Increasing Exponent
QI_HYPOXIA_TARGETS_OF_HIF1A_AND_FOXA2	http://www.broadinstitute.org/gsea/msigdb/cards/QI_HYPOXIA_TARGETS_OF_HIF1A_AND_FOXA2	80	-0.292387	-0.937202	0.52495	0.837001	Increased Expression with Increasing Exponent
REACTOME KERATAN SULFATE DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME KERATAN SULFATE DEGRADATION	24	-0.388488	-0.941636	0.540952	0.837017	Increased Expression with Increasing Exponent
PHONG_TNF_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PHONG_TNF_TARGETS_DN	25	-0.335381	-0.934488	0.538462	0.837074	Increased Expression with Increasing Exponent
REACTOME_INSULIN_RECEPTOR_SIGNALLING_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INSULIN_RECEPTOR_SIGNALLING_CASCA	252	-0.210825	-0.935337	0.559184	0.837093	Increased Expression with Increasing Exponent

FUJIWARA_PARK2_HEPATOCYTE_PROLIFERATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FUJIWARA_PARK2_HEPATOCYTE_PROLIFERATION_DN	22	-0.382515	-0.938037	0.521318	0.837165	Increased Expression with Increasing Exponent
BOGNI_TREATMENT_RELATED_MYELOID_LEUKEMIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOGNI_TREATMENT_RELATED_MYELOID_LEUKEMIA_UP	169	-0.2507	-0.937325	0.537255	0.837221	Increased Expression with Increasing Exponent
GOZGIT_ESR1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GOZGIT_ESR1_TARGETS_UP	393	-0.21263	-0.935456	0.564	0.837296	Increased Expression with Increasing Exponent
SIG_CD40PATHWAYMAP	http://www.broadinstitute.org/gsea/msigdb/cards/SIG_CD40PATHWAYMAP	91	-0.233975	-0.936543	0.555556	0.837413	Increased Expression with Increasing Exponent
BIOCARTA_BIOPEPTIDES_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_BIOPEPTIDES_PATHWAY	136	-0.245387	-0.937393	0.540084	0.837536	Increased Expression with Increasing Exponent
PID_WNT_NONCANONICAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_WNT_NONCANONICAL_PATHWAY	95	-0.240832	-0.936678	0.541322	0.837611	Increased Expression with Increasing Exponent
YIH_RESPONSE_TO_ARSENITE_C5	http://www.broadinstitute.org/gsea/msigdb/cards/YIH_RESPONSE_TO_ARSENITE_C5	22	-0.351733	-0.936195	0.524655	0.837647	Increased Expression with Increasing Exponent
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_1	http://www.broadinstitute.org/gsea/msigdb/cards/PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_1	101	-0.266953	-0.935484	0.547389	0.837707	Increased Expression with Increasing Exponent
REACTOME_TRANSCRIPTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSCRIPTION	426	-0.255561	-0.935569	0.506	0.837988	Increased Expression with Increasing Exponent
BACOLOD_RESISTANCE_TO_ALKYLATING_AGENTS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BACOLOD_RESISTANCE_TO_ALKYLATING_AGENTS_DN	172	-0.23609	-0.935643	0.538776	0.838305	Increased Expression with Increasing Exponent
STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_UP	79	-0.265707	-0.932968	0.524752	0.8386	Increased Expression with Increasing Exponent
WINZEN_DEGRADED_VIA_KHSRP	http://www.broadinstitute.org/gsea/msigdb/cards/WINZEN_DEGRADED_VIA_KHSRP	208	-0.248231	-0.933146	0.539048	0.838685	Increased Expression with Increasing Exponent
PID_FAS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_FAS_PATHWAY	119	-0.228336	-0.932278	0.543478	0.839107	Increased Expression with Increasing Exponent
CHESLER_BRAIN_D6MIT150_QTL_TRANS	http://www.broadinstitute.org/gsea/msigdb/cards/CHESLER_BRAIN_D6MIT150_QTL_TRANS	20	-0.325496	-0.933166	0.561368	0.839122	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION GRANULOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_GRA	161	-0.215015	-0.932436	0.59499	0.839256	Increased Expression with Increasing Exponent
RIZ_ERYTHROID_DIFFERENTIATION_HBZ	http://www.broadinstitute.org/gsea/msigdb/cards/RIZ_ERYTHROID_DIFFERENTIATION_HBZ	109	-0.265618	-0.933499	0.51927	0.839364	Increased Expression with Increasing Exponent
MARZEC_IL2_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARZEC_IL2_SIGNALING_UP	275	-0.231338	-0.933176	0.551102	0.839574	Increased Expression with Increasing Exponent
BAKER_HEMATOPOESIS_STAT5_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/BAKER_HEMATOPOESIS_STAT5_TARGETS	16	-0.331789	-0.931795	0.545635	0.839597	Increased Expression with Increasing Exponent
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_3D_D	76	-0.317555	-0.931042	0.530242	0.839772	Increased Expression with Increasing Exponent
APPIERTO_RESPONSE_TO_FENRETINIDE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/APPIERTO_RESPONSE_TO_FENRETINIDE_UP	94	-0.245625	-0.931263	0.540117	0.839779	Increased Expression with Increasing Exponent
BOUDOUKHA_BOUND_BY_IGF2BP2	http://www.broadinstitute.org/gsea/msigdb/cards/BOUDOUKHA_BOUND_BY_IGF2BP2	238	-0.222508	-0.931343	0.565476	0.840082	Increased Expression with Increasing Exponent
MILICIC_FAMILIAL_ADENOMATOUS_POLYPOSIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MILICIC_FAMILIAL_ADENOMATOUS_POLYPOSIS_UP	23	-0.341261	-0.930487	0.535714	0.840433	Increased Expression with Increasing Exponent
ELVIDGE_HIF1A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HIF1A_TARGETS_DN	232	-0.27261	-0.929493	0.513834	0.840557	Increased Expression with Increasing Exponent
LI_CYTIDINE_ANALOGS_CYCOTOXICITY	http://www.broadinstitute.org/gsea/msigdb/cards/LI_CYTIDINE_ANALOGS_CYCOTOXICITY	41	-0.281059	-0.929665	0.563147	0.840674	Increased Expression with Increasing Exponent
BIOCARTA_IL12_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL12_PATHWAY	42	-0.284205	-0.929144	0.558882	0.840788	Increased Expression with Increasing Exponent
BIOCARTA_MCALPAIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MCALPAIN_PATHWAY	74	-0.255522	-0.929681	0.545272	0.841113	Increased Expression with Increasing Exponent
BEIER_GLIOMA_STEM_CELL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BEIER_GLIOMA_STEM_CELL_DN	174	-0.246895	-0.929898	0.528827	0.841141	Increased Expression with Increasing Exponent
BIOCARTA_ASBCCELL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ASBCCELL_PATHWAY	31	-0.368995	-0.9271	0.53	0.842176	Increased Expression with Increasing Exponent
CROONQUIST_NRAS_SIGNALING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CROONQUIST_NRAS_SIGNALING_UP	131	-0.298548	-0.926876	0.525562	0.842178	Increased Expression with Increasing Exponent
BIOCARTA_TOB1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TOB1_PATHWAY	43	-0.564148	-172,253	0.00202429	0.842327	Increased Expression with Increasing Exponent
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRA	359	-0.230772	-0.927815	0.557957	0.842591	Increased Expression with Increasing Exponent
BIDUS_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BIDUS_METASTASIS_DN	457	-0.233208	-0.927126	0.521912	0.842591	Increased Expression with Increasing Exponent
PID_LYSOPHOSPHOLIPID_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_LYSOPHOSPHOLIPID_PATHWAY	170	-0.234094	-0.927309	0.560669	0.842691	Increased Expression with Increasing Exponent
REACTOME_CLASS_B_2_SECRETIN_FAMILY_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CLASS_B_2_SECRETIN_FAMILY_RECEPTO	172	-0.218284	-0.927906	0.587549	0.842881	Increased Expression with Increasing Exponent
PID_ERA_GENOMIC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ERA_GENOMIC_PATHWAY	158	-0.219341	-0.927423	0.561886	0.842914	Increased Expression with Increasing Exponent
XU_GH1_EXOGENOUS_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/XU_GH1_EXOGENOUS_TARGETS_DN	294	-0.190573	-0.921421	0.662264	0.843023	Increased Expression with Increasing Exponent
WEI_MIR34A_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/WEI_MIR34A_TARGETS	430	-0.210743	-0.926168	0.586745	0.843189	Increased Expression with Increasing Exponent
JOSEPH_RESPONSE_TO_SODIUM_BUTYRATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JOSEPH_RESPONSE_TO_SODIUM_BUTYRATE_UP	66	-0.288945	-0.921491	0.522158	0.843358	Increased Expression with Increasing Exponent
SHI_SPARC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SHI_SPARC_TARGETS_UP	73	-0.35722	-175,143	0.0134875	0.843452	Increased Expression with Increasing Exponent
REACTOME_GLUCAGON_SIGNALING_IN_METABOLIC_REGULATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLUCAGON_SIGNALING_IN_METABOLIC_	81	-0.256676	-0.921844	0.529293	0.843549	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_120_HELA	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_120_HELA	180	-0.258528	-0.921523	0.531373	0.843758	Increased Expression with Increasing Exponent
HOSHIDA_LIVER_CANCER_SURVIVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOSHIDA_LIVER_CANCER_SURVIVAL_DN	257	-0.195917	-0.922125	0.608961	0.843937	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_GENES_BY_ATF4	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_GENES_BY_ATF4	64	-0.284354	-0.921186	0.548323	0.843977	Increased Expression with Increasing Exponent
TAKAO_RESPONSE_TO_UVB_RADIATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TAKAO_RESPONSE_TO_UVB_RADIATION_DN	250	-0.217426	-0.920219	0.556213	0.844101	Increased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_14Q22_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_14Q22_AMPLICON	31	-0.358219	-0.920602	0.536735	0.844252	Increased Expression with Increasing Exponent
ONGUSAHA_BRCA1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ONGUSAHA_BRCA1_TARGETS_DN	43	-0.315476	-0.922159	0.571429	0.844338	Increased Expression with Increasing Exponent
FONTAINE_PAPILLARY_THYROID_CARCINOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FONTAINE_PAPILLARY_THYROID_CARCINOMA_UP	156	-0.208274	-0.923276	0.590994	0.844399	Increased Expression with Increasing Exponent
REACTOME_RETROGRADE_NEUROTROPHIN_SIGNALLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RETROGRADE_NEUROTROPHIN_SIGNALLI	31	-0.309686	-0.920236	0.568507	0.844534	Increased Expression with Increasing Exponent
BIOCARTA_FAS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_FAS_PATHWAY	95	-0.263306	-0.922237	0.537988	0.844634	Increased Expression with Increasing Exponent
ASTON_MAJOR_DEPRESSIVE_DISORDER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ASTON_MAJOR_DEPRESSIVE_DISORDER_UP	144	-0.227569	-0.923371	0.559838	0.844669	Increased Expression with Increasing Exponent
SMID_BREAST_CANCER_RELAPSE_IN_PLEURA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_RELAPSE_IN_PLEURA_DN	55	-0.305797	-0.923382	0.543307	0.844702	Increased Expression with Increasing Exponent
SANSOM_WNT_PATHWAY_REQUIRE_MYC	http://www.broadinstitute.org/gsea/msigdb/cards/SANSOM_WNT_PATHWAY_REQUIRE_MYC	148	-0.224899	-0.924437	0.585859	0.844834	Increased Expression with Increasing Exponent
LUI_THYROID_CANCER_CLUSTER_4	http://www.broadinstitute.org/gsea/msigdb/cards/LUI_THYROID_CANCER_CLUSTER_4	60	-0.319399	-0.923514	0.540755	0.844848	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER	51	-0.279308	-0.923964	0.521127	0.844853	Increased Expression with Increasing Exponent
MEISSNER_BRAIN_HCP_WITH_H3K4ME2	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_BRAIN_HCP_WITH_H3K4ME2	29	-0.317776	-0.922294	0.529297	0.845001	Increased Expression with Increasing Exponent
REACTOME_POST_TRANSLATIONAL_PROTEIN_MODIFICATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_POST_TRANSLATIONAL_PROTEIN_MODIF	397	-0.235483	-0.925502	0.543434	0.84503	Increased Expression with Increasing Exponent
GENTILE_UV_LOW_DOSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_LOW_DOSE_DN	187	-0.223352	-0.919515	0.566191	0.845038	Increased Expression with Increasing Exponent
HOQUE_METHYLATED_IN_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/HOQUE_METHYLATED_IN_CANCER	161	-0.208672	-0.924052	0.60521	0.845135	Increased Expression with Increasing Exponent
BIOCARTA_LONGEVITY_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_LONGEVITY_PATHWAY	52	-0.533814	-176,823	0.0118343	0.845168	Increased Expression with Increasing Exponent
NIELSEN_LEIOMYOSARCOMA_CNN1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_LEIOMYOSARCOMA_CNN1_UP	60	-0.267833	-0.924445	0.528112	0.845289	Increased Expression with Increasing Exponent
BIOCARTA_CSK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CSK_PATHWAY	66	-0.291437	-0.919123	0.531187	0.845373	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_12	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_12	117	-0.257198	-0.922311	0.560878	0.845436	Increased Expression with Increasing Exponent
DEMAGALHAES_AGING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DEMAGALHAES_AGING_DN	35	-0.333183	-0.92253	0.545455	0.845443	Increased Expression with Increasing Exponent
INAMURA_LUNG_CANCER_SCC_SUBTYPES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/INAMURA_LUNG_CANCER_SCC_SUBTYPES_UP	41	-0.306277	-0.924549	0.52505	0.845555	Increased Expression with Increasing Exponent
HUMMERICH_SKIN_CANCER_PROGRESSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUMMERICH_SKIN_CANCER_PROGRESSION_DN	250	-0.195524	-0.918214	0.626415	0.845842	Increased Expression with Increasing Exponent
MEISSNER_BRAIN_ICP_WITH_H3K4ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_BRAIN_ICP_WITH_H3K4ME3	66	-0.236041	-0.917834	0.60274	0.846142	Increased Expression with Increasing Exponent
HOLLEMAN_ASPARAGINASE_RESISTANCE_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_ASPARAGINASE_RESISTANCE_ALL_UP	65	-0.277759	-0.918217	0.555769	0.846296	Increased Expression with Increasing Exponent
LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_SMALL_VS_HUGE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_SMA	81	-0.233834	-0.918223	0.563771	0.846743	Increased Expression with Increasing Exponent
CAIRO_HEPATOBLASTOMA_POOR_SURVIVAL	http://www.broadinstitute.org/gsea/msigdb/cards/CAIRO_HEPATOBLASTOMA_POOR_SURVIVAL	28	-0.300505	-0.916812	0.566191	0.846869	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_13	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_13	16	-0.387131	-0.916512	0.555769	0.847015	Increased Expression with Increasing Exponent
MARCHINI TRABECTEDIN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARCHINI TRABECTEDIN_RESISTANCE_UP	56	-0.259849	-0.917138	0.589595	0.847114	Increased Expression with Increasing Exponent
MARIADASON_REGULATED_BY_HISTONE_ACETYLATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_REGULATED_BY_HISTONE_ACETYLATI	138	-0.221043	-0.916899	0.581213	0.847143	Increased Expression with Increasing Exponent
ONO_AML1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ONO_AML1_TARGETS_DN	112	-0.259887	-0.915843	0.539062	0.847463	Increased Expression with Increasing Exponent
WILLERT_WNT_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/WILLERT_WNT_SIGNALING	64	-0.262514	-0.915936	0.576699	0.847739	Increased Expression with Increasing Exponent
PID_BETA_CATENIN_DEG_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_BETA_CATENIN_DEG_PATHWAY	58	-0.266886	-0.915115	0.545276	0.84803	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_FGFR_MUTANTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_FGFR_MUTANTS	142	-0.219888	-0.91524	0.598778	0.84824	Increased Expression with Increasing Exponent
HASLINGER_B_CLL_WITH_11Q23_DELETION	http://www.broadinstitute.org/gsea/msigdb/cards/HASLINGER_B_CLL_WITH_11Q23_DELETION	70	-0.493018	-171,622	0.00931099	0.848401	Increased Expression with Increasing Exponent
WESTON_VEGFA_TARGETS_3HR	http://www.broadinstitute.org/gsea/msigdb/cards/WESTON_VEGFA_TARGETS_3HR	175	-0.217589	-0.914397	0.611881	0.84901	Increased Expression with Increasing Exponent
MATTIOLI_MULTIPLE_MYELOMA_WITH_14Q32_TRANSLOCATIONS	http://www.broadinstitute.org/gsea/msigdb/cards/MATTIOLI_MULTIPLE_MYELOMA_WITH_14Q32_TRAN	92	-0.257861	-0.912721	0.576687	0.849704	Increased Expression with Increasing Exponent
IIZUKA_LIVER_CANCER_PROGRESSION_I0_L1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IIZUKA_LIVER_CANCER_PROGRESSION_I0_L1_UP	43	-0.277404	-0.91351	0.585366	0.849867	Increased Expression with Increasing Exponent
DORN_ADENOVIRUS_INFECTION_48HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DORN_ADENOVIRUS_INFECTION_48HR_UP	29	-0.286461	-0.912191	0.577068	0.849901	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_30	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER	30	-0.290155	-0.913013	0.581673	0.849996	Increased Expression with Increasing Exponent
FIRESTEIN_CTNNB1_PATHWAY_AND_PROLIFERATION	http://www.broadinstitute.org/gsea/msigdb/cards/FIRESTEIN_CTNNB1_PATHWAY_AND_PROLIFERATION	32	-0.34069	-0.913673	0.579381	0.850004	Increased Expression with Increasing Exponent
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_CIS	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTRYKH_HEMATOPOIESIS_STEM_CELL_QTL_CIS	298	-0.200482	-0.912799	0.586826	0.850006	Increased Expression with Increasing Exponent
ST_WNT_BETA_CATENIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_WNT_BETA_CATENIN_PATHWAY	99	-0.224172	-0.912263	0.597077	0.850215	Increased Expression with Increasing Exponent
COLDREN_GEFITINIB_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/COLDREN_GEFITINIB_RESISTANCE_UP	217	-0.222729	-0.913081	0.567308	0.850298	Increased Expression with Increasing Exponent
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_CDC25_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRA	130	-0.264707	-0.9111	0.559252	0.850687	Increased Expression with Increasing Exponent
KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_B_CELL_RECEPTOR_SIGNALING_PATHWAY	205	-0.431041	-177,879	0.00371747	0.850812	Increased Expression with Increasing Exponent
BIOCARTA_MITOCHONDRIA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MITOCHONDRIA_PATHWAY	48	-0.268045	-0.911234	0.556436	0.850893	Increased Expression with Increasing Exponent
LI_ADIPOGENESIS_BY_ACTIVATED_PPARG	http://www.broadinstitute.org/gsea/msigdb/cards/LI_ADIPOGENESIS_BY_ACTIVATED_PPARG	24	-0.333764	-0.911363	0.574713	0.85111	Increased Expression with Increasing Exponent
HOFFMAN_CLOCK_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMAN_CLOCK_TARGETS_UP	26	-0.629849	-171,836	0.00790514	0.851473	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_7	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_7	32	-0.600087	-177,094	0.0155039	0.852309	Increased Expression with Increasing Exponent
BAELDE_DIABETIC_NEPHROPATHY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BAELDE_DIABETIC_NEPHROPATHY_UP	193	-0.220247	-0.910011	0.565923	0.852349	Increased Expression with Increasing Exponent
REACTOME_PERK_REGULATED_GENE_EXPRESSION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PERK_REGULATED_GENE_EXPRESSION	71	-0.277242	-0.909495	0.545809	0.852893	Increased Expression with Increasing Exponent
RASHI_RESPONSE_TO_IONIZING_RADIATION_6	http://www.broadinstitute.org/gsea/msigdb/cards/RASHI_RESPONSE_TO_IONIZING_RADIATION_6	237	-0.224806	-0.907729	0.556701	0.853167	Increased Expression with Increasing Exponent
TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_I0D_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TAKEDA_TARGETS_OF_NUP98_HOXA9_FUSION_I0D_	327	-0.247279	-0.908589	0.539048	0.853346	Increased Expression with Increasing Exponent
MEISSNER_ES_ICP_WITH_H3K4ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_ES_ICP_WITH_H3K4ME3	69	-0.221386	-0.9078	0.639113	0.853477	Increased Expression with Increasing Exponent
OKAWA_NEUROBLASTOMA_1P36_31_DELETION	http://www.broadinstitute.org/gsea/msigdb/cards/OKAWA_NEUROBLASTOMA_1P36_31_DELETION	60	-0.328074	-0.90888	0.546906	0.853649	Increased Expression with Increasing Exponent

CADWELL_ATG16L1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CADWELL_ATG16L1_TARGETS_UP	204	-0.213958	-0.908649	0.642998	0.853668	Increased Expression with Increasing Exponent
REACTOME_SMAD2_SMAD3_SMAD4_HETEROTRIMER_REGULATES_TRANS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SMAD2_SMAD3_SMAD4_HETEROTRIMER	65	-0.542802	-18,048	0.00194932	0.85372	Increased Expression with Increasing Exponent
LIU_TARGETS_OF_VMYB_VS_CMYB_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_TARGETS_OF_VMYB_VS_CMYB_DN	115	-0.249678	-0.907829	0.588	0.853883	Increased Expression with Increasing Exponent
REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTIVATION_OF_	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTIVATION_OF_	56	-0.293061	-0.904713	0.547475	0.854159	Increased Expression with Increasing Exponent
REACTOME_ACYL_CHAIN_REMODELLING_OF_PS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACYL_CHAIN_REMODELLING_OF_PS	26	-0.290632	-0.90515	0.578059	0.854189	Increased Expression with Increasing Exponent
REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PEPTIDE_LIGAND_BINDING_RECEPTORS	247	-0.258663	-0.907863	0.595238	0.854268	Increased Expression with Increasing Exponent
KOBAYASHI_EGFR_SIGNALING_24HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KOBAYASHI_EGFR_SIGNALING_24HR_UP	252	-0.227991	-0.90371	0.571992	0.854296	Increased Expression with Increasing Exponent
REACTOME_TRANSPORT_OF_GLUCOSE_AND_OTHER_SUGARS_BILE_SALTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSPORT_OF_GLUCOSE_AND_OTHER_SUGARS_BILE_SALTS	204	-0.230587	-0.906904	0.603239	0.854327	Increased Expression with Increasing Exponent
RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_MAPK1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSPORT_OF_GLUCOSE_AND_OTHER_SUGARS_BILE_SALTS	20	-0.313235	-0.904854	0.593625	0.854329	Increased Expression with Increasing Exponent
SENESE_HDAC2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SENESE_HDAC2_TARGETS_DN	326	-0.20213	-0.904136	0.63189	0.854365	Increased Expression with Increasing Exponent
BIOCARTA_CYTOKINE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CYTOKINE_PATHWAY	27	-0.32747	-0.902901	0.580897	0.854436	Increased Expression with Increasing Exponent
DIRMEIER_LMP1_RESPONSE_LATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DIRMEIER_LMP1_RESPONSE_LATE_UP	159	-0.256738	-0.903858	0.547284	0.854459	Increased Expression with Increasing Exponent
MIKKELSEN_DEDIFFERENTIATED_STATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_DEDIFFERENTIATED_STATE_DN	24	-0.329952	-0.903104	0.57115	0.854519	Increased Expression with Increasing Exponent
HAHTOLA_MYCOSIS_FUNGOIDES_CD4_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_MYCOSIS_FUNGOIDES_CD4_DN	393	-0.22435	-0.905195	0.558416	0.854556	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_INSULIN_RECEPTOR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_INSULIN_RECEPTOR	299	-0.20149	-0.904193	0.629328	0.854711	Increased Expression with Increasing Exponent
HUANG_FOXA2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUANG_FOXA2_TARGETS_UP	117	-0.237937	-0.90554	0.586481	0.854779	Increased Expression with Increasing Exponent
MARIADASON_RESPONSE_TO_BUTYRATE_CURCUMIN_SULINDAC_TSA_2	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_RESPONSE_TO_BUTYRATE_CURCUMIN	18	-0.383989	-0.903181	0.579151	0.854843	Increased Expression with Increasing Exponent
MIDORIKAWA_AMPLIFIED_IN_LIVER_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/MIDORIKAWA_AMPLIFIED_IN_LIVER_CANCER	138	-0.23153	-0.905248	0.596869	0.854902	Increased Expression with Increasing Exponent
MCMURRAY_TP53_HRAS_COOPERATION_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCMURRAY_TP53_HRAS_COOPERATION_RESPONSE_DN	152	-0.234212	-0.905624	0.568047	0.855071	Increased Expression with Increasing Exponent
JISON_SICKLE_CELL_DISEASE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JISON_SICKLE_CELL_DISEASE_UP	403	-0.236977	-0.90189	0.569745	0.85509	Increased Expression with Increasing Exponent
PID_ER_NONGENOMIC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ER_NONGENOMIC_PATHWAY	135	-0.223381	-0.902111	0.62249	0.855104	Increased Expression with Increasing Exponent
WORSCHERCH_TUMOR_EVASION_AND_TOLEROGENICITY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WORSCHERCH_TUMOR_EVASION_AND_TOLEROGENICITY_DN	37	-0.306472	-0.902303	0.576065	0.855201	Increased Expression with Increasing Exponent
SETLUR_PROSTATE_CANCER_TMPRS2_ERG_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SETLUR_PROSTATE_CANCER_TMPRS2_ERG_FUSION_DN	42	-0.255805	-0.901105	0.609244	0.855263	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLACK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLACK_DN	28	-0.295245	-0.905722	0.556641	0.855337	Increased Expression with Increasing Exponent
CHEOK_RESPONSE_TO_MERCAPTOPURINE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHEOK_RESPONSE_TO_MERCAPTOPURINE_DN	53	-0.275241	-0.901175	0.563745	0.855578	Increased Expression with Increasing Exponent
ELLWOOD_MYC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ELLWOOD_MYC_TARGETS_UP	32	-0.275423	-0.905831	0.586558	0.855582	Increased Expression with Increasing Exponent
NIELSEN_GIST_VS_SYNOVIAL_SARCOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_GIST_VS_SYNOVIAL_SARCOMA_UP	48	-0.273575	-0.901297	0.587426	0.855791	Increased Expression with Increasing Exponent
KYNG_RESPONSE_TO_H2O2_VIA_ERCC6_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_RESPONSE_TO_H2O2_VIA_ERCC6_DN	120	-0.220782	-0.905847	0.614314	0.85601	Increased Expression with Increasing Exponent
LINDGREN_BLADDER_CANCER_WITH_LOH_IN_CHR9Q	http://www.broadinstitute.org/gsea/msigdb/cards/LINDGREN_BLADDER_CANCER_WITH_LOH_IN_CHR9Q	301	-0.22573	-0.899565	0.58365	0.856524	Increased Expression with Increasing Exponent
YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_HOXA10_TARGETS_VIA_PROGESTERONE_UP	213	-0.2114	-0.899637	0.619145	0.85684	Increased Expression with Increasing Exponent
GENTILE_UV_RESPONSE_CLUSTER_D1	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_RESPONSE_CLUSTER_D1	47	-0.286749	-0.899703	0.559184	0.857166	Increased Expression with Increasing Exponent
SMID_BREAST_CANCER_RELAPSE_IN_LUNG_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_RELAPSE_IN_LUNG_DN	76	-0.290145	-0.899727	0.55619	0.857572	Increased Expression with Increasing Exponent
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARADONNA_NEOPLASTIC_TRANSFORMATION_KRAS_UP	320	-0.218013	-0.897769	0.582505	0.857796	Increased Expression with Increasing Exponent
TESAR_ALK_TARGETS_EPISC_4D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TESAR_ALK_TARGETS_EPISC_4D_UP	15	-0.368026	-0.897521	0.586912	0.857838	Increased Expression with Increasing Exponent
HUANG_DASATINIB_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUANG_DASATINIB_RESISTANCE_UP	216	-0.268325	-0.898639	0.559671	0.857861	Increased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_PIPs_AT_THE_PLASMA_MEMBRANE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_PIPs_AT_THE_PLASMA_MEMBRANE	86	-0.245565	-0.897823	0.593156	0.858146	Increased Expression with Increasing Exponent
BENNETT_SYSTEMIC_LUPUS_ERYTHEMATOSUS	http://www.broadinstitute.org/gsea/msigdb/cards/BENNETT_SYSTEMIC_LUPUS_ERYTHEMATOSUS	56	-0.37413	-0.898139	0.572874	0.858421	Increased Expression with Increasing Exponent
REACTOME_MRNA_SPLICING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MRNA_SPLICING	302	-0.305218	-0.897891	0.562241	0.858467	Increased Expression with Increasing Exponent
GRANDVAUX_IFN_RESPONSE_NOT_VIA_IRF3	http://www.broadinstitute.org/gsea/msigdb/cards/GRANDVAUX_IFN_RESPONSE_NOT_VIA_IRF3	26	-0.434564	-0.89671	0.598753	0.858474	Increased Expression with Increasing Exponent
GRAHAM_CML_QUIESCENT_VS_NORMAL_DIVIDING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_QUIESCENT_VS_NORMAL_DIVIDING_DN	34	-0.354655	-0.896472	0.567194	0.858497	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_3_DN	99	-0.201062	-0.896892	0.705411	0.858561	Increased Expression with Increasing Exponent
REACTOME_PASSIVE_TRANSPORT_BY_AQUAPORINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PASSIVE_TRANSPORT_BY_AQUAPORINS	21	-0.357253	-0.895379	0.596708	0.858803	Increased Expression with Increasing Exponent
GRAHAM_CML_QUIESCENT_VS_NORMAL_DIVIDING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PASSIVE_TRANSPORT_BY_AQUAPORINS	157	-0.47215	-17,229	0.00795229	0.858896	Increased Expression with Increasing Exponent
LOPEZ_MESOTHELIOMA_SURVIVAL_WORST_VS_BEST_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_MESOTHELIOMA_SURVIVAL_WORST_VS_BEST_DN	15	-0.42678	-0.895449	0.606996	0.859115	Increased Expression with Increasing Exponent
GU_PDEF_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GU_PDEF_TARGETS_DN	98	-0.238214	-0.895455	0.619772	0.859554	Increased Expression with Increasing Exponent
WACKER_HYPOXIA_TARGETS_OF_VHL	http://www.broadinstitute.org/gsea/msigdb/cards/WACKER_HYPOXIA_TARGETS_OF_VHL	293	-0.349926	-0.895652	0.589391	0.859624	Increased Expression with Increasing Exponent
PID_HDAC_CLASSI_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HDAC_CLASSI_PATHWAY	179	-0.20513	-0.89406	0.659091	0.859988	Increased Expression with Increasing Exponent
REACTOME_MRNA_3_END_PROCESSING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MRNA_3_END_PROCESSING	103	-0.321568	-0.894522	0.603774	0.859989	Increased Expression with Increasing Exponent
KANG_FLUOROURACIL_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_FLUOROURACIL_RESISTANCE_UP	62	-0.278236	-0.894278	0.602881	0.860032	Increased Expression with Increasing Exponent
KORKOLA_CHORIOCARCINOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_CHORIOCARCINOMA_UP	19	-0.432849	-0.893076	0.587209	0.860093	Increased Expression with Increasing Exponent
CHANG_IMMORTALIZED_BY_HPV31_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHANG_IMMORTALIZED_BY_HPV31_DN	151	-0.220525	-0.893236	0.573737	0.860231	Increased Expression with Increasing Exponent
GENTILE_RESPONSE_CLUSTER_D3	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_RESPONSE_CLUSTER_D3	145	-0.264706	-0.893343	0.576305	0.86048	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREEN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREEN_UP	75	-0.244415	-0.893395	0.568898	0.860822	Increased Expression with Increasing Exponent
BIOCARTA_DNAFRAGMENT_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_DNAFRAGMENT_PATHWAY	19	-0.360183	-0.891267	0.575397	0.860957	Increased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_40_HELA	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_40_HELA	113	-0.507285	-17,255	0.0285171	0.861182	Increased Expression with Increasing Exponent
STEGMEIER_PRE-MITOTIC_CELL_CYCLE_REGULATORS	http://www.broadinstitute.org/gsea/msigdb/cards/STEGMEIER_PRE-MITOTIC_CELL_CYCLE_REGULATORS	36	-0.283815	-0.891296	0.606855	0.861348	Increased Expression with Increasing Exponent
ITO_PTTG1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ITO_PTTG1_TARGETS_DN	18	-0.36565	-0.891865	0.589537	0.861581	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_24	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_24	38	-0.295115	-0.890697	0.612967	0.861631	Increased Expression with Increasing Exponent
BIOCARTA_NDKDYNAMIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NDKDYNAMIN_PATHWAY	53	-0.28747	-0.89134	0.607803	0.861723	Increased Expression with Increasing Exponent
KANG_IMMORTALIZED_BY_TERT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_IMMORTALIZED_BY_TERT_UP	245	-0.212109	-0.89201	0.605634	0.861739	Increased Expression with Increasing Exponent
KIM_MYC_AMPLIFICATION_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_MYC_AMPLIFICATION_TARGETS_DN	268	-0.21334	-0.891435	0.596116	0.861994	Increased Expression with Increasing Exponent
BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_24HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_24HR_DN	26	-0.574439	-174,611	0.00590551	0.862561	Increased Expression with Increasing Exponent
SEMENZA_HIF1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_24HR_DN	93	-0.307101	-0.887217	0.564706	0.863018	Increased Expression with Increasing Exponent
REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_ADIPOCYTE_DIF	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSCRIPTIONAL_REGULATION_OF_WHITE_ADIPOCYTE_DIF	193	-0.226817	-0.88745	0.581028	0.863037	Increased Expression with Increasing Exponent
IGLESIAS_E2F_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IGLESIAS_E2F_TARGETS_DN	31	-0.281118	-0.887915	0.616123	0.863061	Increased Expression with Increasing Exponent
SCHLOSSER_MYC_AND_SERUM_RESPONSE_SYNERGY	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLOSSER_MYC_AND_SERUM_RESPONSE_SYNERGY	70	-0.268279	-0.887656	0.583162	0.863085	Increased Expression with Increasing Exponent
SABATES_COLORECTAL_ADENOMA_SIZE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SABATES_COLORECTAL_ADENOMA_SIZE_UP	75	-0.258272	-0.888441	0.587755	0.863348	Increased Expression with Increasing Exponent
REACTOME_KERATAN_SULFATE_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_KERATAN_SULFATE_BIOSYNTHESIS	69	-0.260234	-0.887965	0.622137	0.863405	Increased Expression with Increasing Exponent
ST_JNK_MAPK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_JNK_MAPK_PATHWAY	136	-0.224429	-0.88817	0.61167	0.863418	Increased Expression with Increasing Exponent
STONER_ESOPHAGEAL_CARCINOGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STONER_ESOPHAGEAL_CARCINOGENESIS_UP	93	-0.231288	-0.888855	0.602339	0.863434	Increased Expression with Increasing Exponent
MEISSNER_BRAIN_HCP_WITH_H3K4ME2_AND_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_BRAIN_HCP_WITH_H3K4ME2_AND_H3K27ME3	103	-0.26268	-0.889494	0.608081	0.863538	Increased Expression with Increasing Exponent
BIOCARTA_P27_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_P27_PATHWAY	26	-0.328699	-0.885593	0.596195	0.863583	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_C_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_C_UP	473	-0.193728	-0.888516	0.665331	0.863652	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX2_UP	24	-0.353248	-0.889205	0.577909	0.863652	Increased Expression with Increasing Exponent
MUNSHI_MULTIPLE_MYELOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MUNSHI_MULTIPLE_MYELOMA_DN	40	-0.260574	-0.888907	0.591549	0.863777	Increased Expression with Increasing Exponent
EBAUER_MYOGENIC_TARGETS_OF_PAX3_FOXO1_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/EBAUER_MYOGENIC_TARGETS_OF_PAX3_FOXO1_FUSION	139	-0.221183	-0.885682	0.6341	0.863865	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_17	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_17	58	-0.271072	-0.884954	0.6	0.863979	Increased Expression with Increasing Exponent
RODRIGUES NTN1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RODRIGUES NTN1_TARGETS_DN	472	-0.191975				

OXFORD_RALA_OR_RALB_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OXFORD_RALA_OR_RALB_TARGETS_DN	88	-0.284932	-0.880492	0.589537	0.867751	Increased Expression with Increasing Exponent
DACOSTA_UV_RESPONSE_VIA_ERCC3_TTD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_UV_RESPONSE_VIA_ERCC3_TTD_DN	283	-0.204494	-0.879713	0.646833	0.867889	Increased Expression with Increasing Exponent
PID_IL8_CXCR1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL8_CXCR1_PATHWAY	77	-0.274531	-0.878505	0.60274	0.867975	Increased Expression with Increasing Exponent
WHITE_NEUROBLASTOMA_WITH_1P36.3_DELETION	http://www.broadinstitute.org/gsea/msigdb/cards/WHITE_NEUROBLASTOMA_WITH_1P36.3_DELETION	59	-0.314771	-0.878697	0.574553	0.868042	Increased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C5	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C5	157	-0.229306	-0.878838	0.624481	0.868208	Increased Expression with Increasing Exponent
DAIRKEE_CANCER_PRONE_RESPONSE_E2	http://www.broadinstitute.org/gsea/msigdb/cards/DAIRKEE_CANCER_PRONE_RESPONSE_E2	61	-0.231321	-0.879767	0.664634	0.868235	Increased Expression with Increasing Exponent
REACTOME_CLEAVAGE_OF_GROWING_TRANSCRIPT_IN_THE_TERMINATIO	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CLEAVAGE_OF_GROWING_TRANSCRIPT_I	119	-0.308813	-0.878111	0.606186	0.868297	Increased Expression with Increasing Exponent
BIOCARTA_GCR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_GCR_PATHWAY	58	-0.276611	-0.877644	0.577909	0.868358	Increased Expression with Increasing Exponent
DOANE_RESPONSE_TO_ANDROGEN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DOANE_RESPONSE_TO_ANDROGEN_UP	473	-0.185927	-0.877282	0.686047	0.86859	Increased Expression with Increasing Exponent
HILLION_HMGA1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/HILLION_HMGA1_TARGETS	201	-0.206447	-0.877733	0.678788	0.868624	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_7	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_7	141	-0.255176	-0.874033	0.585263	0.869546	Increased Expression with Increasing Exponent
DONATO_CELL_CYCLE_TRETINOIN	http://www.broadinstitute.org/gsea/msigdb/cards/DONATO_CELL_CYCLE_TRETINOIN	18	-0.338687	-0.873643	0.597561	0.869823	Increased Expression with Increasing Exponent
SANCHEZ_MDM2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SANCHEZ_MDM2_TARGETS	21	-0.304037	-0.874035	0.622266	0.869982	Increased Expression with Increasing Exponent
GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_2	http://www.broadinstitute.org/gsea/msigdb/cards/GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMI	37	-0.292343	-0.873257	0.584337	0.870097	Increased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS_VIA_24_HYDRO	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_Sf	19	-0.328244	-0.876245	0.582846	0.870178	Increased Expression with Increasing Exponent
GROSS_HYPOXIA_VIA_ELK3_ONLY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HYPOXIA_VIA_ELK3_ONLY_DN	106	-0.221722	-0.87253	0.641473	0.870205	Increased Expression with Increasing Exponent
WESTON_VEGFA_TARGETS_6HR	http://www.broadinstitute.org/gsea/msigdb/cards/WESTON_VEGFA_TARGETS_6HR	133	-0.250833	-0.875067	0.589595	0.870209	Increased Expression with Increasing Exponent
WANG_LSD1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_LSD1_TARGETS_UP	54	-0.561449	-173,884	0.0289855	0.870224	Increased Expression with Increasing Exponent
DANG_MYC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DANG_MYC_TARGETS_UP	387	-0.241009	-0.87113	0.592975	0.870226	Increased Expression with Increasing Exponent
PID_ATM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ATM_PATHWAY	107	-0.254632	-0.875253	0.611538	0.870306	Increased Expression with Increasing Exponent
GOTTWEIN_TARGETS_OF_KSHV_MIR_K12_11	http://www.broadinstitute.org/gsea/msigdb/cards/GOTTWEIN_TARGETS_OF_KSHV_MIR_K12_11	165	-0.216958	-0.875475	0.616858	0.870314	Increased Expression with Increasing Exponent
OLSSON_E2F3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OLSSON_E2F3_TARGETS_UP	92	-0.251323	-0.874749	0.605578	0.870376	Increased Expression with Increasing Exponent
PROVENZANI_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PROVENZANI_METASTASIS_DN	344	-0.234072	-0.872876	0.619433	0.870391	Increased Expression with Increasing Exponent
REACTOME_ROLE_OF_DCC_IN_REGULATING_APOPTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ROLE_OF_DCC_IN_REGULATING_APOPTO	22	-0.29369	-0.874038	0.639922	0.870415	Increased Expression with Increasing Exponent
REACTOME_OPIOID_SIGNALLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_OPIOID_SIGNALLING	197	-0.220111	-0.874257	0.620332	0.87042	Increased Expression with Increasing Exponent
KEGG_CELL_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CELL_CYCLE	312	-0.245874	-0.875615	0.561368	0.870499	Increased Expression with Increasing Exponent
HOLLEMAN_VINCRISTINE_RESISTANCE_B_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_VINCRISTINE_RESISTANCE_B_ALL_UP	111	-0.235959	-0.870754	0.645963	0.870519	Increased Expression with Increasing Exponent
REACTOME_TRANS_GOLGI_NETWORK_VESICLE_BUDDING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANS_GOLGI_NETWORK_VESICLE_BUDE	162	-0.240648	-0.874436	0.595618	0.87054	Increased Expression with Increasing Exponent
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_FL11	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTRYKH_HEMATOPOIESIS_STEM_CELL_FL11	19	-0.293392	-0.872567	0.622093	0.870567	Increased Expression with Increasing Exponent
CONRAD_STEM_CELL	http://www.broadinstitute.org/gsea/msigdb/cards/CONRAD_STEM_CELL	99	-0.201962	-0.8721	0.68357	0.870589	Increased Expression with Increasing Exponent
HUMMERICH_BENIGN_SKIN_TUMOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUMMERICH_BENIGN_SKIN_TUMOR_UP	25	-0.297319	-0.871826	0.605058	0.870647	Increased Expression with Increasing Exponent
HUANG_FOXA2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUANG_FOXA2_TARGETS_DN	112	-0.276272	-0.87113	0.592955	0.870664	Increased Expression with Increasing Exponent
DER_IFN_ALPHA_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DER_IFN_ALPHA_RESPONSE_DN	16	-0.334089	-0.871547	0.594488	0.870766	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_F_DN	70	-0.247763	-0.875668	0.598753	0.870845	Increased Expression with Increasing Exponent
MCBRYAN_PUBERTAL_BREAST_4_5WK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCBRYAN_PUBERTAL_BREAST_4_5WK_DN	499	-0.190465	-0.871234	0.682635	0.870909	Increased Expression with Increasing Exponent
KEGG_PROPANOATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PROPANOATE_METABOLISM	68	0.574988	172,674	0.023622	0.871193	Decreased Expression with Increasing Exponent
KEGG_APOPTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_APOPTOSIS	219	-0.216813	-0.869462	0.616466	0.872602	Increased Expression with Increasing Exponent
MODY_HIPPOCAMPUS_PRENATAL	http://www.broadinstitute.org/gsea/msigdb/cards/MODY_HIPPOCAMPUS_PRENATAL	113	-0.294103	-0.868979	0.603113	0.873051	Increased Expression with Increasing Exponent
WIERENGA_STAT5A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WIERENGA_STAT5A_TARGETS_DN	454	-0.219854	-0.867775	0.603113	0.873145	Increased Expression with Increasing Exponent
JI_CARCIINOGENESIS_BY_KRAS_AND_STK11_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JI_CARCIINOGENESIS_BY_KRAS_AND_STK11_UP	25	-0.303156	-0.867902	0.642998	0.87334	Increased Expression with Increasing Exponent
SANSOM_APC_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SANSOM_APC_TARGETS	498	-0.176933	-0.866912	0.719665	0.873469	Increased Expression with Increasing Exponent
PID_NOTCH_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NOTCH_PATHWAY	160	-0.200094	-0.867366	0.688623	0.87351	Increased Expression with Increasing Exponent
MUELLER_COMMON_TARGETS_OF_AML_FUSIONS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MUELLER_COMMON_TARGETS_OF_AML_FUSIONS_DI	66	-0.238192	-0.868001	0.65261	0.873586	Increased Expression with Increasing Exponent
REACTOME_RNA_POL_III_CHAIN_ELONGATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_III_CHAIN_ELONGATION	41	-0.265773	-0.868183	0.631679	0.87367	Increased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C8	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C8	180	-0.196169	-0.866972	0.67004	0.873801	Increased Expression with Increasing Exponent
VILIMAS_NOTCH1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VILIMAS_NOTCH1_TARGETS_UP	108	-0.266107	-0.868221	0.605364	0.874026	Increased Expression with Increasing Exponent
TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR_DN	28	-0.345403	-0.863214	0.599606	0.876172	Increased Expression with Increasing Exponent
VALK_AML_WITH_11Q23_REARRANGED	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_WITH_11Q23_REARRANGED	36	-0.267425	-0.863355	0.641851	0.876344	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX6_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_33	33	-0.337897	-0.865207	0.59887	0.876367	Increased Expression with Increasing Exponent
COLIN_PILOCYTIC_ASTROCYTOMA_VS_GLIOBLASTOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/COLIN_PILOCYTIC_ASTROCYTOMA_VS_GLIOBLASTOM	101	-0.254426	-0.863388	0.608871	0.87672	Increased Expression with Increasing Exponent
BOWIE_RESPONSE_TO_TAMOXIFEN	http://www.broadinstitute.org/gsea/msigdb/cards/BOWIE_RESPONSE_TO_TAMOXIFEN	37	-0.404766	-0.858545	0.613281	0.876812	Increased Expression with Increasing Exponent
MCCLUNG_DELTA_FOSB_TARGETS_2WK	http://www.broadinstitute.org/gsea/msigdb/cards/MCCLUNG_DELTA_FOSB_TARGETS_2WK	106	-0.248462	-0.86377	0.608365	0.876857	Increased Expression with Increasing Exponent
GOLUB_ALL_VS_AML_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GOLUB_ALL_VS_AML_DN	59	-0.299623	-0.863519	0.589494	0.876895	Increased Expression with Increasing Exponent
QUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_DN	http://www.broadinstitute.org/gsea/msigdb/cards/QUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_DN	41	-0.270216	-0.859416	0.628	0.876926	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_D_UP	87	-0.219495	-0.858937	0.708571	0.876957	Increased Expression with Increasing Exponent
CHOW_RASSF1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHOW_RASSF1_TARGETS_UP	78	-0.25686	-0.863871	0.646465	0.877119	Increased Expression with Increasing Exponent
REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MED	92	-0.24621	-0.858592	0.607921	0.877147	Increased Expression with Increasing Exponent
AMIT_SERUM_RESPONSE_20_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_SERUM_RESPONSE_20_MCF10A	73	-0.245007	-0.862463	0.657534	0.87718	Increased Expression with Increasing Exponent
REACTOME_SHC1_EVENTS_IN_ERBB4_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SHC1_EVENTS_IN_ERBB4_SIGNALING	61	-0.234245	-0.858956	0.673546	0.877347	Increased Expression with Increasing Exponent
REACTOME_PI3K_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PI3K_CASCADE	205	-0.197532	-0.85942	0.717526	0.877355	Increased Expression with Increasing Exponent
HASINA_NOL7_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HASINA_NOL7_TARGETS_DN	45	-0.297389	-0.859639	0.625251	0.877372	Increased Expression with Increasing Exponent
BIOCARTA_GSK3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_GSK3_PATHWAY	68	-0.233381	-0.863934	0.626482	0.877439	Increased Expression with Increasing Exponent
KANG_IMMORTALIZED_BY_TERT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_IMMORTALIZED_BY_TERT_DN	259	-0.200549	-0.860055	0.671937	0.87744	Increased Expression with Increasing Exponent
WATANABE_RECTAL_CANCER_RADIOOTHERAPY_RESPONSIVE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WATANABE_RECTAL_CANCER_RADIOOTHERAPY_RESPO	280	-0.195076	-0.860271	0.731373	0.877461	Increased Expression with Increasing Exponent
REACTOME_ELONGATION_ARREST_AND_RECOVERY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ELONGATION_ARREST_AND_RECOVERY	64	-0.252058	-0.864138	0.64741	0.877477	Increased Expression with Increasing Exponent
MCBRYAN_PUBERTAL_BREAST_5_6WK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCBRYAN_PUBERTAL_BREAST_5_6WK_UP	285	-0.181989	-0.864275	0.745059	0.87768	Increased Expression with Increasing Exponent
IYENGAR_RESPONSE_TO_ADIPOCYTE_FACTORS	http://www.broadinstitute.org/gsea/msigdb/cards/IYENGAR_RESPONSE_TO_ADIPOCYTE_FACTORS	21	-0.753333	-176,087	0.00782779	0.877684	Increased Expression with Increasing Exponent
BIOCARTA_CREB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CREB_PATHWAY	103	-0.237625	-0.859644	0.63834	0.877794	Increased Expression with Increasing Exponent
HASINA_NOL7_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HASINA_NOL7_TARGETS_UP	34	-0.292308	-0.8603	0.636546	0.877843	Increased Expression with Increasing Exponent
KEGG_COMPLEMENT_AND_COAGULATION_CASCADES	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_COMPLEMENT_AND_COAGULATION_CASCADE	129	-0.275022	-0.860457	0.607843	0.87797	Increased Expression with Increasing Exponent
REACTOME_MYOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MYOGENESIS	87	-0.432667	-1,726	0.00393701	0.878129	Increased Expression with Increasing Exponent
REACTOME_ACYL_CHAIN_REMODELLING_OF_PG	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACYL_CHAIN_REMODELLING_OF_PG	31	-0.25795	-0.857584	0.656904	0.878195	Increased Expression with Increasing Exponent
BIOCARTA_TID_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TID_PATHWAY	39	-0.272434	-0.861713	0.628458	0.878202	Increased Expression with Increasing Exponent
BASSO_B_LYMPHOCYTE_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/BASSO_B_LYMPHOCYTE_NETWORK	359	-0.21144	-0.860552	0.65102	0.878224	Increased Expression with Increasing Exponent
WENG_POR_DOSAGE	http://www.broadinstitute.org/gsea/msigdb/cards/WENG_POR_DOSAGE	49	-0.559673	-173,475	0.00770713	0.878292	Increased Expression with Increasing Exponent
TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUCTAL_NORMAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_DUC	255	-0.195308	-0.8614	0.706897	0.878393	Increased Expression with Increasing Exponent
REACTOME_RNA_POL_II_TRANSCRIPTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_II_TRANSCRIPTION	234	-0.26213	-0.86091	0.638211	0.878436	Increased Expression with Increasing Exponent
REACTOME_PKB_MEDIATED_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PKB_MEDIATED_EVENTS	85	-0.23308	-0.861138	0.649695	0.878436	Increased Expression with Increasing Exponent
BREDEMEYER_RAG_SIGNALING_VIA_ATM_NOT_VIA_NFKB_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BREDEMEYER_RAG_SIGNALING_VIA_ATM_NOT_VIA_I	109	-0.221486	-0.860573	0.692164	0.878624	Increased Expression with Increasing Exponent
REACTOME_NEF_MEDIATES_DOWN_MODULATION_OF_CELL_SURFACE_Rt	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NEF_MEDIATES_DOWN_MODULATION_O	54	-0.257908	-0.845466	0.657895	0.879385	Increased Expression with Increasing Exponent
HOFMANN_MYELODYSPLASTIC_SYNDROM_RISK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFMANN_MYELODYSPLASTIC_SYNDROM_RISK_DN	57	-0.279739	-0.845477	0.6	0.879788	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_NOTCH	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_NOTCH	276	-0.184851	-0.845022	0.741344	0.879788	Increased Expression with Increasing Exponent
ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBROBLAST	http://www.broadinstitute.org/gsea/msigdb/cards/ZHONG_SECRETOME_OF_LUNG_CANCER_AND_FIBRO	332	-0.231978	-0.844693	0.606786	0.879961	Increased Expression with Increasing Exponent
PID_P38_MKK3_6PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P38_MKK3_6PATHWAY	71	-0.229717	-0.846055	0.688462	0.880009	Increased Expression with Increasing Exponent
LIU_IL13_MEMORY_MODEL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_IL13_MEMORY_MODEL_DN	23	-0.297372	-0.845515	0.662474	0.880152	Increased Expression with Increasing Exponent
LU_TUMOR_ANGIOGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LU_TUMOR_ANGIOGENESIS_UP	84	-0.261923	-0.845741	0.67094	0.880171	Increased Expression with Increasing Exponent
KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_UBIQUITIN_MEDIATED_PROTEOLYSIS	406	-0.196746	-0.846561	0.706114	0.880372	Increased Expression with Increasing Exponent
KIM_MYCN_AMPLIFICATION_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_MYCN_AMPLIFICATION_TARGETS_DN	287	-0.208106	-0.846083	0.714836	0.880379	Increased Expression with Increasing Exponent
WU_ALZHEIMER_DISEASE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WU_ALZHEIMER_DISEASE_DN	47	-0.276315	-0.846983	0.626482	0.880467	Increased Expression with Increasing Exponent
HUMMEL_BURKITT'S_LYMPHOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUMMEL_BURKITT'S_LYMPHOMA_UP	123	-0.223657	-0.84672	0.643725	0.880507	Increased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_MITOMYCIN	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_MITOMYCIN	27	-0.277087	-0.855404	0.637965	0.880606	Increased Expression with Increasing Exponent
REACTOME_MRNA_PROCESSING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MRNA_PROCESSING	417	-0.269861	-0.856085	0.612245	0.880654	Increased Expression with Increasing Exponent
BENPORATH_ES_CORE_NINE_CORRELATED	http://www.broadinstitute.org/gsea/msigdb/cards/BENPORATH_ES_CORE_NINE_CORRELATED	258	-0.216237	-0.84711	0.658	0.880663	Increased Expression with Increasing Exponent
KEGG_HEMATOPOIETIC_CELL_LINEAGE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_HEMATOPOIETIC_CELL_LINEAGE	202	-0.256198	-0.846115	0.641879	0.880746	Increased Expression with Increasing Exponent
PID_HEDGEHOG_GLI_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HEDGEHOG_GLI_PATHWAY	135	-0.220479	-0.855551	0.656977	0.880753	Increased Expression with Increasing Exponent
GENTILE_UV_RESPONSE_CLUSTER_D9	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_RESPONSE_CLUSTER_D9	82	-0.236816	-0.847228	0.649524	0.880879	Increased Expression with Increasing Exponent
REACTOME_NEUROTTRANSMITTER_RECEPTOR_BINDING_AND_DOWNSTRE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NEUROTTRANSMITTER_RECEPTOR_BINDIN	360	-0.210902	-0.855632	0.626223	0.881041	Increased Expression with Increasing Exponent
REACTOME_CYTOSOLIC_SULFONATION_OF_SMALL_MOLECULES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CYTOSOLIC_SULFONATION_OF_SMALL_M	28	-0.303263	-0.847259	0.603482	0.881256	Increased Expression with Increasing Exponent

COLLIS_PRKDC_REGULATORS	http://www.broadinstitute.org/gsea/msigdb/cards/COLLIS_PRKDC_REGULATORS	32	-0.259354	-0.847329	0.680162	0.881539	Increased Expression with Increasing Exponent
BARIS_THYROID_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BARIS_THYROID_CANCER_DN	176	-0.216761	-0.85459	0.651485	0.881757	Increased Expression with Increasing Exponent
BHAT_ESR1_TARGETS_VIA_AKT1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BHAT_ESR1_TARGETS_VIA_AKT1_DN	238	-0.201071	-0.847428	0.705179	0.88177	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_48HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_48HR_UP	450	-0.180943	-0.852386	0.758621	0.882006	Increased Expression with Increasing Exponent
REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX	84	-0.250982	-0.852141	0.644841	0.882032	Increased Expression with Increasing Exponent
KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS	26	-0.314853	-0.847459	0.646245	0.882147	Increased Expression with Increasing Exponent
PID_IL4_2PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL4_2PATHWAY	189	-0.226491	-0.847662	0.639764	0.88219	Increased Expression with Increasing Exponent
DUTERTRE ESTRADIOL_RESPONSE_6HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DUTERTRE ESTRADIOL_RESPONSE_6HR_DN	248	-0.19016	-0.851818	0.73706	0.882206	Increased Expression with Increasing Exponent
PETRETTO_BLOOD_PRESSURE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PETRETTO_BLOOD_PRESSURE_UP	26	-0.269403	-0.843181	0.648	0.882248	Increased Expression with Increasing Exponent
ROSS_AML_OF_FAB_M7_TYPE	http://www.broadinstitute.org/gsea/msigdb/cards/ROSS_AML_OF_FAB_M7_TYPE	185	-0.19401	-0.851092	0.766529	0.882298	Increased Expression with Increasing Exponent
STARK_BRAIN_22Q11_DELETION	http://www.broadinstitute.org/gsea/msigdb/cards/STARK_BRAIN_22Q11_DELETION	15	-0.298917	-0.852423	0.650295	0.882364	Increased Expression with Increasing Exponent
JOHANSSON_GLIOMAGENESIS_BY_PDGBF_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JOHANSSON_GLIOMAGENESIS_BY_PDGBF_UP	267	-0.247484	-0.850133	0.63039	0.882378	Increased Expression with Increasing Exponent
DANG_REGULATED_BY_MYC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DANG_REGULATED_BY_MYC_UP	177	-0.237133	-0.842864	0.628049	0.882399	Increased Expression with Increasing Exponent
MAHAJAN_RESPONSE_TO_IL1A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MAHAJAN_RESPONSE_TO_IL1A_DN	222	-0.201259	-0.847778	0.694444	0.882408	Increased Expression with Increasing Exponent
SASSON_RESPONSE_TO_GONADOTROPHINS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SASSON_RESPONSE_TO_GONADOTROPHINS_UP	266	-0.228698	-0.851247	0.629259	0.882441	Increased Expression with Increasing Exponent
QI_HYPOXIA	http://www.broadinstitute.org/gsea/msigdb/cards/QI_HYPOXIA	305	-0.214161	-0.851468	0.649505	0.882442	Increased Expression with Increasing Exponent
OZANNE_AP1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OZANNE_AP1_TARGETS_DN	28	-0.31713	-0.850319	0.637795	0.882453	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_RED_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_RED_DN	62	-0.262285	-0.847913	0.65	0.882559	Increased Expression with Increasing Exponent
WELCH_GATA1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/WELCH_GATA1_TARGETS	51	-0.255848	-0.848095	0.661479	0.882664	Increased Expression with Increasing Exponent
TOOKER_GEMCITABINE_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TOOKER_GEMCITABINE_RESISTANCE_DN	343	-0.21176	-0.848325	0.632296	0.882667	Increased Expression with Increasing Exponent
OXFORD_RALB_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OXFORD_RALB_TARGETS_UP	23	-0.328646	-0.852476	0.639839	0.882699	Increased Expression with Increasing Exponent
PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_4	http://www.broadinstitute.org/gsea/msigdb/cards/PEDERSEN_METASTASIS_BY_ERBB2_ISOFORM_4	272	-0.219762	-0.85268	0.655936	0.882757	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_CD2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_CD2_DN	106	-0.206817	-0.850366	0.699187	0.882793	Increased Expression with Increasing Exponent
GEISS_RESPONSE_TO_DSRNA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GEISS_RESPONSE_TO_DSRNA_DN	31	-0.26054	-0.853325	0.657084	0.882823	Increased Expression with Increasing Exponent
REACTOME_RNA_POL_II_PRE_TRANSCRIPTION_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_II_PRE_TRANSCRIPTION_EVENTS	113	-0.243842	-0.852832	0.627219	0.882908	Increased Expression with Increasing Exponent
BIOCARTA_INTEGRIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_INTEGRIN_PATHWAY	115	-0.465974	-0.85296	0.00773694	0.882926	Increased Expression with Increasing Exponent
BIOCARTA_STRESS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_STRESS_PATHWAY	59	-0.268153	-0.842348	0.643287	0.882941	Increased Expression with Increasing Exponent
ZHENG_IL22_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_IL22_SIGNALING_DN	99	-0.199768	-0.848406	0.721248	0.882951	Increased Expression with Increasing Exponent
FAELT_B_CLL_WITH_VH3_21_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FAELT_B_CLL_WITH_VH3_21_UP	99	-0.226061	-0.853018	0.64902	0.88297	Increased Expression with Increasing Exponent
REACTOME_LATENT_INFECTION_OF_HOMO_SAPIENS_WITH_MYCOBACTERIA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_LATENT_INFECTION_OF_HOMO_SAPIENS_WITH_MYCOBACTERIA	73	-0.257888	-0.849038	0.632735	0.883047	Increased Expression with Increasing Exponent
BECKER_TAMOXIFEN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BECKER_TAMOXIFEN_RESISTANCE_DN	149	-0.217094	-0.850463	0.690909	0.88305	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_CD1_VS_CD2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_CD1_VS_CD2_UP	146	-0.21074	-0.845588	0.685832	0.88305	Increased Expression with Increasing Exponent
ZWANG_EGF_INTERVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZWANG_EGF_INTERVAL_DN	498	-0.17939	-0.849526	0.709369	0.883057	Increased Expression with Increasing Exponent
MATTIOLI_MULTIPLE_MYELOMA_SUBGROUPS	http://www.broadinstitute.org/gsea/msigdb/cards/MATTIOLI_MULTIPLE_MYELOMA_SUBGROUPS	43	-0.25751	-0.849266	0.641129	0.883067	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_RED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_RED_UP	31	-0.304467	-0.848768	0.625984	0.883146	Increased Expression with Increasing Exponent
WALLACE_PROSTATE_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WALLACE_PROSTATE_CANCER_DN	19	-0.323159	-0.853613	0.649402	0.883161	Increased Expression with Increasing Exponent
BIOCARTA_COMP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_COMP_PATHWAY	30	-0.315188	-0.853337	0.617706	0.883229	Increased Expression with Increasing Exponent
BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOHN_PRIMARY_IMMUNODEFICIENCY_SYNDROM_UP	121	-0.246325	-0.840939	0.656746	0.883422	Increased Expression with Increasing Exponent
REACTOME_SIGNALLING_TO_RAS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALLING_TO_RAS	75	-0.23056	-0.840998	0.694165	0.883735	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_3	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_3	86	-0.226011	-0.841036	0.683712	0.884081	Increased Expression with Increasing Exponent
WANG_CISPLATIN_RESPONSE_AND_XPC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_CISPLATIN_RESPONSE_AND_XPC_UP	471	-0.18521	-0.841277	0.691824	0.884084	Increased Expression with Increasing Exponent
BIOCARTA_VEGF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_VEGF_PATHWAY	86	-0.230031	-0.840026	0.682093	0.884229	Increased Expression with Increasing Exponent
STAGE_EWING_FAMILY_TUMOR	http://www.broadinstitute.org/gsea/msigdb/cards/STAGE_EWING_FAMILY_TUMOR	77	-0.23947	-0.84135	0.660118	0.88437	Increased Expression with Increasing Exponent
SANA_RESPONSE_TO_IFNG_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SANA_RESPONSE_TO_IFNG_DN	205	-0.217349	-0.840086	0.693069	0.884544	Increased Expression with Increasing Exponent
WHITESIDE_CISPLATIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WHITESIDE_CISPLATIN_RESISTANCE_DN	42	-0.674556	-0.85283	0.0140281	0.884755	Increased Expression with Increasing Exponent
SCIAN_CELL_CYCLE_TARGETS_OF_TP53_AND_TP73_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCIAN_CELL_CYCLE_TARGETS_OF_TP53_AND_TP73_UP	23	-0.310571	-0.83934	0.646947	0.88507	Increased Expression with Increasing Exponent
MILICIC_FAMILIAL_ADENOMATOUS_POLYPOSIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MILICIC_FAMILIAL_ADENOMATOUS_POLYPOSIS_DN	16	-0.355645	-0.838857	0.640316	0.885083	Increased Expression with Increasing Exponent
MIKKELSEN_NPC_ICP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_NPC_ICP_WITH_H3K27ME3	20	-0.306257	-0.838986	0.647619	0.885259	Increased Expression with Increasing Exponent
REACTOME_MEMBRANE_TRAFFICKING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MEMBRANE_TRAFFICKING	294	-0.215177	-0.837537	0.651485	0.887046	Increased Expression with Increasing Exponent
LEE_CALORIE_RESTRICTION_NEOCORTEX_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_CALORIE_RESTRICTION_NEOCORTEX_DN	250	-0.191436	-0.835832	0.72837	0.887212	Increased Expression with Increasing Exponent
TSENG_ADIPOGENIC_POTENTIAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TSENG_ADIPOGENIC_POTENTIAL_DN	108	-0.23287	-0.835547	0.682975	0.887321	Increased Expression with Increasing Exponent
HUMMEL_BURKITTs_LYMPHOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUMMEL_BURKITTs_LYMPHOMA_DN	56	-0.322666	-0.835298	0.63253	0.887345	Increased Expression with Increasing Exponent
KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CYTOKINE_CYTOKINE_RECEPTOR_INTERACTION	499	-0.240203	-0.83691	0.623552	0.887362	Increased Expression with Increasing Exponent
BIOCARTA_SALMONELLA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SALMONELLA_PATHWAY	42	-0.301538	-0.837126	0.609312	0.887375	Increased Expression with Increasing Exponent
SILIGAN_TARGETS_OF_EWS_FLI1_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SILIGAN_TARGETS_OF_EWS_FLI1_FUSION_DN	59	-0.244864	-0.836392	0.660606	0.8875	Increased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_PCA1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_PCA1_UP	241	-0.217728	-0.83496	0.678138	0.887534	Increased Expression with Increasing Exponent
KEGG_CIRCADIAN_RHYTHM_MAMMAL	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CIRCADIAN_RHYTHM_MAMMAL	40	-0.28597	-0.836554	0.631373	0.887628	Increased Expression with Increasing Exponent
KASLER_HDAC7_TARGETS_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KASLER_HDAC7_TARGETS_2_DN	79	-0.206395	-0.835833	0.762279	0.887631	Increased Expression with Increasing Exponent
KORKOLA_SEMINOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_SEMINOMA_DN	31	-0.280854	-0.834426	0.669231	0.887659	Increased Expression with Increasing Exponent
NABA_ECM_AFFILIATED	http://www.broadinstitute.org/gsea/msigdb/cards/NABA_ECM_AFFILIATED	299	-0.208582	-0.834617	0.718686	0.887726	Increased Expression with Increasing Exponent
MCDOWELL_ACUTE_LUNG_INJURY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCDOWELL_ACUTE_LUNG_INJURY_DN	144	-0.206579	-0.836004	0.721311	0.887753	Increased Expression with Increasing Exponent
BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_DN	339	-0.197637	-0.834137	0.708333	0.887769	Increased Expression with Increasing Exponent
GAURNIER_PSMd4_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/GAURNIER_PSMd4_TARGETS	141	-0.322205	-0.833031	0.63745	0.889355	Increased Expression with Increasing Exponent
BIOCARTA_EPONFKB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EPONFKB_PATHWAY	34	-0.2658	-0.832751	0.664093	0.889437	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_A_DN	212	-0.193606	-0.8317	0.752874	0.889633	Increased Expression with Increasing Exponent
ST_P38_MAPK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_P38_MAPK_PATHWAY	101	-0.223747	-0.83192	0.686235	0.889661	Increased Expression with Increasing Exponent
PID_ERBB1_DOWNSTREAM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ERBB1_DOWNSTREAM_PATHWAY	328	-0.195808	-0.832038	0.717391	0.889869	Increased Expression with Increasing Exponent
RIZ_ERYTHROID_DIFFERENTIATION_HEMGN	http://www.broadinstitute.org/gsea/msigdb/cards/RIZ_ERYTHROID_DIFFERENTIATION_HEMGN	78	-0.21309	-0.830554	0.70303	0.889994	Increased Expression with Increasing Exponent
REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ENERGY_DEPENDENT_REGULATION_OF_MTOR_BY_LKB1_AMI	53	-0.264588	-0.830763	0.653144	0.89004	Increased Expression with Increasing Exponent
REACTOME_SEMA3A_PLEXIN_REPULSION_SIGNALING_BY_INHIBITING_INT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SEMA3A_PLEXIN_REPULSION_SIGNALING_BY_INHIBITING_INT	35	-0.269044	-0.831218	0.675299	0.890061	Increased Expression with Increasing Exponent
JACKSON_DNMT1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JACKSON_DNMT1_TARGETS_UP	178	-0.213606	-0.832174	0.694818	0.890067	Increased Expression with Increasing Exponent
WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_DN	185	-0.205388	-0.826924	0.731225	0.890176	Increased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_D_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_D_DN	187	-0.207831	-0.826688	0.703629	0.890182	Increased Expression with Increasing Exponent
BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BERENJENO_TRANSFORMED_BY_RHOA_FOREVER_UP	40	-0.27276	-0.830877	0.658586	0.890274	Increased Expression with Increasing Exponent
WATANABE_COLON_CANCER_MSI_VS_MSS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WATANABE_COLON_CANCER_MSI_VS_MSS_DN	236	-0.174074	-0.827488	0.821359	0.890398	Increased Expression with Increasing Exponent
MCCABE_HOXC6_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCCABE_HOXC6_TARGETS_DN	65	-0.271651	-0.827723	0.646707	0.890408	Increased Expression with Increasing Exponent
BIOCARTA_IL17_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_IL17_PATHWAY	23	-0.322694	-0.82693	0.627219	0.890581	Increased Expression with Increasing Exponent
DAZARD_RESPONSE_TO_UV_SCC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_RESPONSE_TO_UV_SCC_UP	350	-0.223108	-0.827801	0.652695	0.890691	Increased Expression with Increasing Exponent
PID_FOXM1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_FOXM1_PATHWAY	99	-0.255913	-0.827048	0.626775	0.890783	Increased Expression with Increasing Exponent
REACTOME_FORMATION_OF_FIBRIN_CLOT_CLOTTING_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FORMATION_OF_FIBRIN_CLOT_CLOTTING_CASCADE	59	-0.245917	-0.828209	0.692157	0.890785	Increased Expression with Increasing Exponent
REACTOME_NRF1_SIGNALS_CELL_DEATH_FROM_THE_NUCLEUS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NRF1_SIGNALS_CELL_DEATH_FROM_THE_NUCLEUS	36	-0.241277	-0.827969	0.699399	0.890786	Increased Expression with Increasing Exponent
ST_JAK_STAT_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_JAK_STAT_PATHWAY	24	-0.291115	-0.822129	0.657744	0.890789	Increased Expression with Increasing Exponent
TURIANSKI_MAPK7_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/TURIANSKI_MAPK7_TARGETS	26	-0.320174	-0.825861	0.65098	0.890859	Increased Expression with Increasing Exponent
ZHANG_GATA6_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_GATA6_TARGETS_DN	166	-0.212541	-0.823946	0.721569	0.890911	Increased Expression with Increasing Exponent
REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS	146	-0.225386	-0.829065	0.655378	0.890942	Increased Expression with Increasing Exponent
SHIN_B_CELL_LYMPHOMA_CLUSTER_9	http://www.broadinstitute.org/gsea/msigdb/cards/SHIN_B_CELL_LYMPHOMA_CLUSTER_9	40	-0.269299	-0.822507	0.667331	0.890966	Increased Expression with Increasing Exponent
LOPEZ_EPITHELIOID_MESOTHELIOMA	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_EPITHELIOID_MESOTHELIOMA	36	-0.264593	-0.824607	0.693252	0.890998	Increased Expression with Increasing Exponent
CHEOK_RESPONSE_TO_MERCAPTOPURINE_AND_LD_MTX_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHEOK_RESPONSE_TO_MERCAPTOPURINE_AND_LD_MTX_UP	33	-0.270785	-0.826012	0.681729	0.891005	Increased Expression with Increasing Exponent
HANN_RESISTANCE_TO_BCL2_INHIBITOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HANN_RESISTANCE_TO_BCL2_INHIBITOR_UP	70	-0.247026	-0.822241	0.68815	0.891015	Increased Expression with Increasing Exponent
PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_TGFB1_SIGNALING_VIA_NFIC_1HR_DN	345	-0.184687	-0.829492	0.768612	0.891045	Increased Expression with Increasing Exponent
YANG_BREAST_CANCER_ESR1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_BREAST_CANCER_ESR1_DN	69	-0.259572	-0.822648	0.666667	0.891129	Increased Expression with Increasing Exponent
GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRAESSMANN_RESPONSE_TO_MC_AND_SERUM_DEPRIVATION_DN	176	-0.193412	-0.824729	0.774	0.891191	Increased Expression with Increasing Exponent
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_2NM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_2NM_UP	219	-0.196096	-0.828213	0.757396	0.8912	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_LB_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_LB_UP	115	-0.2244	-0.821671	0.690619	0.8912	Increased Expression with Increasing Exponent
XU_HGF_SIGNALING_NOT_VIA_AKT1_6HR	http://www.broadinstitute.org/gsea/msigdb/cards/XU_HGF_SIGNALING_NOT_VIA_AKT1_6HR	82	-0.246155	-0.824013	0.60381	0.891211	Increased Expression with Increasing Exponent
ABDELMOHSEN_ELAVL4_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/ABDELMOHSEN_ELAVL4_TARGETS	51	-0.25194	-0.829627	0.684647	0.891234	Increased Expression with Increasing Exponent
BROWN_MYELOID_CELL_DEVELOPMENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWN_MYELOID_CELL_DEVELOPMENT_DN	319	-0.187597	-0.828653	0.753425	0.89125	Increased Expression with Increasing Exponent
LANDIS_ERBB2_BREAST_TUMORS_324_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LANDIS_ERBB2_BREAST_TUMORS_324_DN	350	-0.212634	-0.828386	0.722334	0.8913	Increased Expression with Increasing Exponent

REACTOME_G_BETA_GAMMA_SIGNALLING_THROUGH_PLC_BETA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G_BETA_GAMMA_SIGNALLING_THROUGH	42	-0.247098	-0.829074	0.716327	0.89135	Increased Expression with Increasing Exponent
KIM_GERMINAL_CENTER_T_HELPER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_GERMINAL_CENTER_T_HELPER_UP	194	-0.209252	-0.824848	0.719844	0.891399	Increased Expression with Increasing Exponent
PID_RAC1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RAC1_PATHWAY	167	-0.208814	-0.825308	0.662551	0.891425	Increased Expression with Increasing Exponent
DARWICHE_PAPILLOMA_RISK_LOW_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_PAPILLOMA_RISK_LOW_UP	353	-0.177547	-0.824127	0.775047	0.891427	Increased Expression with Increasing Exponent
SCHLOSSER_MYC_TARGETS_AND_SERUM_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLOSSER_MYC_TARGETS_AND_SERUM_RESPONSE_UP	118	-0.25276	-0.822649	0.649378	0.891542	Increased Expression with Increasing Exponent
WELCSH_BRCA1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WELCSH_BRCA1_TARGETS_DN	330	-0.209432	-0.824946	0.657315	0.891646	Increased Expression with Increasing Exponent
MATZUK_EMBRYONIC_GERM_CELL	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_EMBRYONIC_GERM_CELL	48	-0.241547	-0.821133	0.699399	0.89176	Increased Expression with Increasing Exponent
TIAN_BHLHA15_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/TIAN_BHLHA15_TARGETS	38	-0.256281	-0.822674	0.696787	0.891924	Increased Expression with Increasing Exponent
PID_SYNDECAN_4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_SYNDECAN_4_PATHWAY	99	-0.268742	-0.822835	0.633267	0.892065	Increased Expression with Increasing Exponent
REACTOME_FORMATION_OF_INCISION_COMPLEX_IN_GG_NER	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FORMATION_OF_INCISION_COMPLEX_IN	35	-0.287152	-0.820672	0.686992	0.892148	Increased Expression with Increasing Exponent
LI_AMPLIFIED_IN_LUNG_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/LI_AMPLIFIED_IN_LUNG_CANCER	422	-0.202584	-0.818085	0.710579	0.892151	Increased Expression with Increasing Exponent
REACTOME_PROCESSING_OF_CAPPED_INTRON_CONTAINING_PRE_MRNA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROCESSING_OF_CAPPED_INTRON_CONT	378	-0.267937	-0.822944	0.650924	0.892271	Increased Expression with Increasing Exponent
RAMPON_ENRICHED_LEARNING_ENVIRONMENT_EARLY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RAMPON_ENRICHED_LEARNING_ENVIRONMENT_EAR	46	-0.254277	-0.820309	0.662338	0.892367	Increased Expression with Increasing Exponent
BIOCARTA_AGR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AGR_PATHWAY	134	-0.193857	-0.820041	0.788054	0.892419	Increased Expression with Increasing Exponent
VILIMAS_NOTCH1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VILIMAS_NOTCH1_TARGETS_DN	29	-0.347678	-0.818145	0.656189	0.892456	Increased Expression with Increasing Exponent
MATZUK_SPERMATOCYTE	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_SPERMATOCYTE	182	-0.18489	-0.817561	0.78501	0.892629	Increased Expression with Increasing Exponent
REACTOME_UNBLOCKING_OF_NMDA_RECEPTOR_GLUTAMATE_BINDING_	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_UNBLOCKING_OF_NMDA_RECEPTOR_GLU	51	-0.273398	-0.817096	0.659229	0.89264	Increased Expression with Increasing Exponent
KYNG_DNA_DAMAGE_BY_UV	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_DNA_DAMAGE_BY_UV	171	-0.197818	-0.81936	0.734375	0.892775	Increased Expression with Increasing Exponent
BORCZUK_MALIGNANT_MESOTHELIOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BORCZUK_MALIGNANT_MESOTHELIOMA_DN	323	-0.197314	-0.818182	0.768775	0.892793	Increased Expression with Increasing Exponent
CHANG_IMMORTALIZED_BY_HPV31_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHANG_IMMORTALIZED_BY_HPV31_UP	224	-0.178589	-0.816756	0.8125	0.892814	Increased Expression with Increasing Exponent
FRASOR_TAMOXIFEN_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FRASOR_TAMOXIFEN_RESPONSE_UP	160	-0.208259	-0.818331	0.705653	0.89293	Increased Expression with Increasing Exponent
GEORGANTAS_HSC_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/GEORGANTAS_HSC_MARKERS	192	-0.227253	-0.81622	0.67004	0.892936	Increased Expression with Increasing Exponent
LIM_MAMMARY_LUMINAL_PROGENITOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIM_MAMMARY_LUMINAL_PROGENITOR_UP	108	-0.243953	-0.817112	0.701613	0.893023	Increased Expression with Increasing Exponent
REACTOME_APOPTOTIC_EXECUTION_PHASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APOPTOTIC_EXECUTION_PHASE	136	-0.186568	-0.815926	0.806706	0.893036	Increased Expression with Increasing Exponent
HOFFMANN_SMALL_PRE_BII_TO_IMMATURE_B_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_SMALL_PRE_BII_TO_IMMATURE_B_LYMI	183	-0.216765	-0.818933	0.673152	0.893098	Increased Expression with Increasing Exponent
LY_AGING_MIDDLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LY_AGING_MIDDLE_DN	28	-0.383185	-0.816345	0.615686	0.893119	Increased Expression with Increasing Exponent
FONTAINE_FOLLICULAR_THYROID_ADENOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FONTAINE_FOLLICULAR_THYROID_ADENOMA_DN	159	-0.192012	-0.815402	0.756863	0.893128	Increased Expression with Increasing Exponent
LEE_AGING_CEREBELLUM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_AGING_CEREBELLUM_DN	209	-0.184058	-0.818447	0.832016	0.893138	Increased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_24HR_5_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_24HR_5_UP	70	-0.241028	-0.819365	0.667351	0.893181	Increased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_C_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_C_DN	45	-0.240722	-0.818619	0.713462	0.893248	Increased Expression with Increasing Exponent
BIOCARTA_ETC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ETC_PATHWAY	28	0.628686	172.985	0.0116732	0.893362	Decreased Expression with Increasing Exponent
LEE_LIVER_CANCER_CIPROFIBRATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_CIPROFIBRATE_UP	131	-0.20969	-0.813777	0.757937	0.893499	Increased Expression with Increasing Exponent
REACTOME_THE_ROLE_OF_NEF_IN_HIV1_REPLICATION_AND_DISEASE_PA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_THE_ROLE_OF_NEF_IN_HIV1_REPLICATIO	72	-0.23092	-0.815403	0.676768	0.893537	Increased Expression with Increasing Exponent
ROETH_TERT_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ROETH_TERT_TARGETS_UP	21	-0.376092	-0.813849	0.641237	0.893783	Increased Expression with Increasing Exponent
KRISHNAN_FURIN_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KRISHNAN_FURIN_TARGETS_UP	65	-0.24194	-0.813302	0.687873	0.893919	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_CD1_VS_CD2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_CD1_VS_CD2_DN	148	-0.187962	-0.813877	0.802846	0.894146	Increased Expression with Increasing Exponent
HENDRICKS_SMARCA4_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HENDRICKS_SMARCA4_TARGETS_UP	147	-0.234505	-0.814517	0.675728	0.894261	Increased Expression with Increasing Exponent
MELLMAN_TUT1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MELLMAN_TUT1_TARGETS_DN	114	-0.20023	-0.813992	0.777778	0.894352	Increased Expression with Increasing Exponent
CHENG_IMPRINTED_BY_ESTRADIOL	http://www.broadinstitute.org/gsea/msigdb/cards/CHENG_IMPRINTED_BY_ESTRADIOL	258	-0.16977	-0.812576	0.885602	0.894355	Increased Expression with Increasing Exponent
BHAT_ESR1_TARGETS_NOT_VIA_AKT1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BHAT_ESR1_TARGETS_NOT_VIA_AKT1_UP	446	-0.165215	-0.812063	0.878669	0.894393	Increased Expression with Increasing Exponent
VANDESLUIS_COMMD1_TARGETS_GROUP_3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANDESLUIS_COMMD1_TARGETS_GROUP_3_DN	57	-0.229593	-0.812785	0.725451	0.894406	Increased Expression with Increasing Exponent
REACTOME_INHIBITION_OF_VOLTAGE_GATED_CA2_CHANNELS_VIA_GBET	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INHIBITION_OF_VOLTAGE_GATED_CA2_C	60	-0.231551	-0.814194	0.716867	0.894406	Increased Expression with Increasing Exponent
DOANE_BREAST_CANCER_CLASSES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DOANE_BREAST_CANCER_CLASSES_DN	95	-0.240142	-0.809932	0.687023	0.894432	Increased Expression with Increasing Exponent
FRASOR_TAMOXIFEN_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FRASOR_TAMOXIFEN_RESPONSE_DN	37	-0.286743	-0.811727	0.677866	0.894588	Increased Expression with Increasing Exponent
RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_MAPK1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_MAPK1_DN	20	-0.302029	-0.810056	0.692615	0.894612	Increased Expression with Increasing Exponent
LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_DN	145	-0.237417	-0.812173	0.685484	0.894618	Increased Expression with Increasing Exponent
REACTOME_FORMATION_OF_TRANSCRIPTION_COUPLED_NER_TC_NER_Rf	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FORMATION_OF_TRANSCRIPTION_COUPL	60	-0.247544	-0.811479	0.686235	0.894626	Increased Expression with Increasing Exponent
REACTOME_GAMMA_CARBOXYLATION_TRANSPORT_AND_AMINO_TERMINI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GAMMA_CARBOXYLATION_TRANSPORT_	15	-0.306007	-0.808823	0.707415	0.894735	Increased Expression with Increasing Exponent
DARWICHE_PAPILLOMA_PROGRESSION_RISK	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_PAPILLOMA_PROGRESSION_RISK	163	-0.177998	-0.808571	0.827935	0.894791	Increased Expression with Increasing Exponent
BIOCARTA_CCR3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CCR3_PATHWAY	75	-0.229046	-0.810636	0.679537	0.894832	Increased Expression with Increasing Exponent
ROY_WOUND_BLOOD_VESSEL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ROY_WOUND_BLOOD_VESSEL_UP	129	-0.261255	-0.809445	0.675403	0.894853	Increased Expression with Increasing Exponent
LANDIS_ERBB2_BREAST_PRENEOPLASTIC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LANDIS_ERBB2_BREAST_PRENEOPLASTIC_UP	44	-0.25416	-0.808998	0.708171	0.894857	Increased Expression with Increasing Exponent
KONDO_PROSTATE_CANCER_HCP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/KONDO_PROSTATE_CANCER_HCP_WITH_H3K27ME3	229	-0.173609	-0.810343	0.875244	0.894918	Increased Expression with Increasing Exponent
SASAKI_ADULT_T_CELL_LEUKEMIA	http://www.broadinstitute.org/gsea/msigdb/cards/SASAKI_ADULT_T_CELL_LEUKEMIA	436	-0.199373	-0.810067	0.678351	0.895003	Increased Expression with Increasing Exponent
CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC25_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARADONNA_NEOPLASTIC_TRANSFORMATION_CDC	369	-0.208148	-0.81101	0.684631	0.895008	Increased Expression with Increasing Exponent
PID_IL12_2PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL12_2PATHWAY	124	-0.256194	-0.809102	0.681188	0.89507	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_BLACK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPI	100	-0.22157	-0.810663	0.719298	0.895199	Increased Expression with Increasing Exponent
STANELLE_E2F1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/STANELLE_E2F1_TARGETS	76	-0.210963	-0.807945	0.726899	0.895478	Increased Expression with Increasing Exponent
BIOCARTA_CTL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CTL_PATHWAY	27	-0.343755	-0.807555	0.654	0.895725	Increased Expression with Increasing Exponent
FALVELLA_SMOKERS_WITH_LUNG_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/FALVELLA_SMOKERS_WITH_LUNG_CANCER	282	-0.430768	-172.644	0.0211132	0.896362	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_25	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_25	21	-0.26746	-0.806169	0.698444	0.896848	Increased Expression with Increasing Exponent
REACTOME_PD1_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PD1_SIGNALING	30	-0.356808	-0.80628	0.65587	0.89706	Increased Expression with Increasing Exponent
KEGG_CELL_ADHESION_MOLECULES_CAMS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CELL_ADHESION_MOLECULES_CAMS	358	-0.202759	-0.806468	0.678227	0.897155	Increased Expression with Increasing Exponent
BIOCARTA_DEATH_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_DEATH_PATHWAY	95	-0.23109	-0.805263	0.69246	0.897186	Increased Expression with Increasing Exponent
PID_RAC1_REG_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RAC1_REG_PATHWAY	122	-0.204312	-0.805431	0.777757	0.897306	Increased Expression with Increasing Exponent
NAKAMURA_METASTASIS_MODEL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_METASTASIS_MODEL_UP	113	-0.219928	-0.805659	0.687623	0.897336	Increased Expression with Increasing Exponent
MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_	236	-0.195669	-0.804785	0.784585	0.897574	Increased Expression with Increasing Exponent
CHEOK_RESPONSE_TO_MERCAPTOPURINE_AND_LD_MTX_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHEOK_RESPONSE_TO_MERCAPTOPURINE_AND_LD_	46	-0.227999	-0.803454	0.751866	0.899039	Increased Expression with Increasing Exponent
VANDESLUIS_COMMD1_TARGETS_GROUP_4_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANDESLUIS_COMMD1_TARGETS_GROUP_4_UP	44	-0.269924	-0.803515	0.751046	0.899347	Increased Expression with Increasing Exponent
IVANOVSKA_MIR106B_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/IVANOVSKA_MIR106B_TARGETS	209	-0.183494	-0.802723	0.832323	0.899898	Increased Expression with Increasing Exponent
KYNG_WERNER_SYNDROM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_WERNER_SYNDROM_DN	78	-0.211249	-0.799878	0.756	0.900592	Increased Expression with Increasing Exponent
HOLLEMAN_VINCRISTINE_RESISTANCE_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_VINCRISTINE_RESISTANCE_ALL_DN	63	-0.255236	-0.801255	0.702595	0.90074	Increased Expression with Increasing Exponent
LAHO_COLORECTAL_CANCER_SERRATED_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LAIHO_COLORECTAL_CANCER_SERRATED_DN	246	-0.210372	-0.801469	0.69697	0.900778	Increased Expression with Increasing Exponent
GRABARCZYK_BCL11B_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GRABARCZYK_BCL11B_TARGETS_UP	216	-0.18269	-0.801629	0.819444	0.900919	Increased Expression with Increasing Exponent
RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATELY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MOD	330	-0.18265	-0.799881	0.795367	0.90099	Increased Expression with Increasing Exponent
SHAFFER_IRF4_MULTIPLE_MYELOMA_PROGRAM	http://www.broadinstitute.org/gsea/msigdb/cards/SHAFFER_IRF4_MULTIPLE_MYELOMA_PROGRAM	99	-0.236184	-0.799314	0.681542	0.90117	Increased Expression with Increasing Exponent
SABATES_COLORECTAL_ADENOMA_SIZE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SABATES_COLORECTAL_ADENOMA_SIZE_DN	41	-0.256494	-0.800263	0.716216	0.901172	Increased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_C_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_C_UP	123	-0.205312	-0.799979	0.748016	0.901244	Increased Expression with Increasing Exponent
SCHURINGA_STAT5A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHURINGA_STAT5A_TARGETS_UP	66	-0.222604	-0.801649	0.742366	0.901287	Increased Expression with Increasing Exponent
KUROKAWA_LIVER_CANCER_CHEMOTHERAPY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KUROKAWA_LIVER_CANCER_CHEMOTHERAPY_DN	125	-0.200343	-0.800416	0.77439	0.901315	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_MS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_MS_UP	132	-0.215183	-0.800458	0.702259	0.901649	Increased Expression with Increasing Exponent
INGRAM_SHH_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/INGRAM_SHH_TARGETS_UP	326	-0.205854	-0.797263	0.706767	0.902154	Increased Expression with Increasing Exponent
HAHTOLA_CTCL_CUTANEOUS	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_CTCL_CUTANEOUS	64	-0.253212	-0.793508	0.705155	0.902259	Increased Expression with Increasing Exponent
SCHLOSSER_SERUM_RESPONSE_AUGMENTED_BY_MYC	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLOSSER_SERUM_RESPONSE_AUGMENTED_BY_MY	279	-0.184231	-0.797283	0.799611	0.902528	Increased Expression with Increasing Exponent
PID_SYNDECAN_3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_SYNDECAN_3_PATHWAY	54	-0.241342	-0.793595	0.707724	0.902529	Increased Expression with Increasing Exponent
GUO_HEX_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GUO_HEX_TARGETS_UP	293	-0.187638	-0.796769	0.807843	0.902595	Increased Expression with Increasing Exponent
PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SM	356	-0.181368	-0.797446	0.814286	0.902665	Increased Expression with Increasing Exponent
REACTOME_ION_TRANSPORT_BY_P_TYPE_ATPASES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ION_TRANSPORT_BY_P_TYPE_ATPASES	92	-0.203568	-0.798179	0.806911	0.902687	Increased Expression with Increasing Exponent
SCHLOSSER_SERUM_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLOSSER_SERUM_RESPONSE_UP	381	-0.172547	-0.792242	0.825743	0.902689	Increased Expression with Increasing Exponent
LINDSTEDT_DENDRITIC_CELL_MATURATION_B	http://www.broadinstitute.org/gsea/msigdb/cards/LINDSTEDT_DENDRITIC_CELL_MATURATION_B	136	-0.2321	-0.793746	0.671756	0.902691	Increased Expression with Increasing Exponent
STARK_HYPPOCAMPUS_22Q11_DELETION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STARK_HYPPOCAMPUS_22Q11_DELETION_DN	43	-0.284508	-0.792432	0.663883	0.90277	Increased Expression with Increasing Exponent
PID_BMP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_BMP_PATHWAY	124	-0.206383	-0.791922	0.767619	0.902829	Increased Expression with Increasing Exponent
IZADPANAH_STEM_CELL_ADIPOSE_VS_BONE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IZADPANAH_STEM_CELL_ADIPOSE_VS_BONE_UP	352	-0.205058	-0.797845	0.684959	0.902831	Increased Expression with Increasing Exponent
TIEN_INTESTINE_PROBIOTICS_6HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TIEN_INTESTINE_PROBIOTICS_6HR_UP	200	-0.22439	-0.794126	0.679283	0.902851	Increased Expression with Increasing Exponent
REACTOME_CHYLOMICRON_MEDIATED_LIPID_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CHYLOMICRON_MEDIATED_LIPID_TRANS	40	-0.284723	-0.792259	0.71097	0.90292	Increased Expression with Increasing Exponent
PID_TRKR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TRKR_PATHWAY	174	-0.19297	-0.790412	0.781008	0.902929	Increased Expression with Increasing Exponent
PUJANA_BREAST_CANCER_LIT_INT_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/PUJANA_BREAST_CANCER_LIT_INT_NETWORK	285	-0.215261	-0.792839	0.66998	0.90294	Increased Expression with Increasing Exponent
HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HADDAD_T_LYMPHOCYTE_AND_NK_PROGENITOR_DN	130	-0.230096	-0.7938	0.716832	0.903013	Increased Expression with Increasing Exponent

LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_DN	130	-0.203091	-0.797451	0.748988	0.903062	Increased Expression with Increasing Exponent
REACTOME_FRS2_MEDIATED_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FRS2_MEDIATED_CASCADE	101	-0.195735	-0.789023	0.832031	0.90313	Increased Expression with Increasing Exponent
MCCLUNG_COCAINE_REWARD_5D	http://www.broadinstitute.org/gsea/msigdb/cards/MCCLUNG_COCAINE_REWARD_5D	210	-0.181631	-0.79419	0.866405	0.90314	Increased Expression with Increasing Exponent
HOEGERKORP_CD44_TARGETS_TEMPORAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOEGERKORP_CD44_TARGETS_TEMPORAL_DN	53	-0.238088	-0.794435	0.745491	0.903146	Increased Expression with Increasing Exponent
TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_NORMAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_DUCTAL_CARCINOMA_VS_LOBULAR_NORMAL_UP	230	-0.219659	-0.790764	0.721774	0.903158	Increased Expression with Increasing Exponent
REACTOME_TRAFFICKING_OF_GLUR2_CONTAINING_AMPA_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAFFICKING_OF_GLUR2_CONTAINING_AMPA_RECEPTORS	45	-0.261252	-0.790498	0.697228	0.903193	Increased Expression with Increasing Exponent
LANG_MYB_FAMILY_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/LANG_MYB_FAMILY_TARGETS	86	-0.224508	-0.795619	0.718504	0.903268	Increased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_PEAK_AT_8HR	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_PEAK_AT_8HR	109	-0.220305	-0.79581	0.721689	0.903353	Increased Expression with Increasing Exponent
REACTOME_A_TETRASACCHARIDE_LINKER_SEQUENCE_IS_REQUIRED_FOR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_A_TETRASACCHARIDE_LINKER_SEQUENCE_IS_REQUIRED_FOR	60	-0.242019	-0.788634	0.712575	0.903361	Increased Expression with Increasing Exponent
MCGARVEY_SILENCED_BY_METHYLATION_IN_COLON_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/MCGARVEY_SILENCED_BY_METHYLATION_IN_COLON_CANCER	88	-0.219307	-0.789361	0.742331	0.903388	Increased Expression with Increasing Exponent
KONDO_PROSTATE_CANCER_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/KONDO_PROSTATE_CANCER_WITH_H3K27ME3	301	-0.204606	-0.794547	0.770138	0.903391	Increased Expression with Increasing Exponent
KUNINGER_IGF1_VS_PDGFB_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KUNINGER_IGF1_VS_PDGFB_TARGETS_UP	172	-0.200144	-0.789111	0.77131	0.903399	Increased Expression with Increasing Exponent
JUBAN_TARGETS_OF_SPI1_AND_FLI1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JUBAN_TARGETS_OF_SPI1_AND_FLI1_UP	300	-0.172793	-0.795275	0.874752	0.903403	Increased Expression with Increasing Exponent
REACTOME_SPHINGOLIPID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SPHINGOLIPID_METABOLISM	148	-0.207384	-0.794737	0.730539	0.903485	Increased Expression with Increasing Exponent
LIN_NPAS4_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIN_NPAS4_TARGETS_DN	139	-0.197614	-0.790799	0.784861	0.903504	Increased Expression with Increasing Exponent
MOOTHA_GLYCOLYSIS	http://www.broadinstitute.org/gsea/msigdb/cards/MOOTHA_GLYCOLYSIS	49	-0.264213	-0.788271	0.686	0.903538	Increased Expression with Increasing Exponent
BIOCARTA_ACH_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ACH_PATHWAY	46	-0.231831	-0.795921	0.748454	0.903567	Increased Expression with Increasing Exponent
REACTOME_NOTCH_HLH_TRANSCRIPTION_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NOTCH_HLH_TRANSCRIPTION_PATHWAY	27	-0.27281	-0.794898	0.687631	0.903598	Increased Expression with Increasing Exponent
BIOCARTA_STEM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_STEM_PATHWAY	22	-0.278063	-0.789477	0.715128	0.903614	Increased Expression with Increasing Exponent
CHEN_LIVER_METABOLISM_QTL_CIS	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_LIVER_METABOLISM_QTL_CIS	228	-0.200867	-0.7877	0.732558	0.903641	Increased Expression with Increasing Exponent
LEE_AGING_CEREBELLUM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_AGING_CEREBELLUM_UP	211	-0.193323	-0.787886	0.769539	0.903742	Increased Expression with Increasing Exponent
PID_TCR_RAS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TCR_RAS_PATHWAY	42	-0.237497	-0.790882	0.736842	0.903784	Increased Expression with Increasing Exponent
IIZUKA_LIVER_CANCER_PROGRESSION_G2_G3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IIZUKA_LIVER_CANCER_PROGRESSION_G2_G3_UP	83	-0.220684	-0.789556	0.741736	0.903895	Increased Expression with Increasing Exponent
MATZUK_MEIOTIC_AND_DNA_REPAIR	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_MEIOTIC_AND_DNA_REPAIR	89	-0.206069	-0.791007	0.777778	0.903969	Increased Expression with Increasing Exponent
QI_PLASMACYTOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/QI_PLASMACYTOMA_DN	223	-0.199589	-0.787159	0.747012	0.904093	Increased Expression with Increasing Exponent
DER_IFN_BETA_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DER_IFN_BETA_RESPONSE_UP	258	-0.232943	-0.785151	0.692632	0.904206	Increased Expression with Increasing Exponent
TCGA_GLIOMASTOMA_COPY_NUMBER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TCGA_GLIOMASTOMA_COPY_NUMBER_DN	105	-0.223264	-0.785314	0.705202	0.904319	Increased Expression with Increasing Exponent
TIEN_INTESTINE_PROBIOTICS_6HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TIEN_INTESTINE_PROBIOTICS_6HR_DN	439	-0.18121	-0.785432	0.818	0.904495	Increased Expression with Increasing Exponent
MASSARWEH_RESPONSE_TO ESTRADIOL	http://www.broadinstitute.org/gsea/msigdb/cards/MASSARWEH_RESPONSE_TO ESTRADIOL	152	-0.192538	-0.785436	0.818713	0.904887	Increased Expression with Increasing Exponent
MAHADEVAN_IMATINIB_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MAHADEVAN_IMATINIB_RESISTANCE_UP	49	-0.223767	-0.786278	0.798781	0.905084	Increased Expression with Increasing Exponent
ALONSO_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ALONSO_METASTASIS_UP	439	-0.196726	-0.785495	0.760081	0.905191	Increased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_YELLOW_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_YELLOW_UP	92	-0.220984	-0.784223	0.740079	0.905358	Increased Expression with Increasing Exponent
REACTOME_CELL_EXTRACELLULAR_MATRIX_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CELL_EXTRACELLULAR_MATRIX_INTERACTIONS	46	-0.287037	-0.785576	0.689788	0.905457	Increased Expression with Increasing Exponent
TOMIDA_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TOMIDA_METASTASIS_DN	37	-0.282377	-0.785792	0.696538	0.905506	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_7	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_7	187	-0.194306	-0.783292	0.773279	0.906477	Increased Expression with Increasing Exponent
BIOCARTA_RAS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RAS_PATHWAY	59	-0.22896	-0.782739	0.758285	0.906593	Increased Expression with Increasing Exponent
KAAB_FAILED_HEART_ATRIUM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KAAB_FAILED_HEART_ATRIUM_DN	366	-0.200917	-0.78289	0.733198	0.906759	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_MF_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_MF_UP	106	-0.221679	-0.781505	0.742063	0.906943	Increased Expression with Increasing Exponent
CHANG_POU5F1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHANG_POU5F1_TARGETS_DN	25	-0.268778	-0.780788	0.709552	0.907285	Increased Expression with Increasing Exponent
KEGG_SPHINGOLIPID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_SPHINGOLIPID_METABOLISM	81	-0.234033	-0.781003	0.712551	0.90734	Increased Expression with Increasing Exponent
REACTOME_MAP_KINASE_ACTIVATION_IN_TLR_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MAP_KINASE_ACTIVATION_IN_TLR_CASCADE	140	-0.20416	-0.781506	0.719368	0.90734	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_6_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_6_UP	300	-0.158767	-0.78193	0.948669	0.907455	Increased Expression with Increasing Exponent
BENPORATH_NOS_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/BENPORATH_NOS_TARGETS	499	-0.168542	-0.781529	0.87674	0.907698	Increased Expression with Increasing Exponent
XU_HGF_TARGETS_REPRESSED_BY_AKT1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/XU_HGF_TARGETS_REPRESSED_BY_AKT1_DN	266	-0.177241	-0.780122	0.846918	0.907943	Increased Expression with Increasing Exponent
OSAWA_TNF_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/OSAWA_TNF_TARGETS	27	-0.331899	-0.779038	0.690249	0.908035	Increased Expression with Increasing Exponent
REACTOME_SYNTHESIS_SECRETION_AND_DEACYLATION_OF_GHRELIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_SECRETION_AND_DEACYLATION_OF_GHRELIN	32	-0.255585	-0.779085	0.744283	0.908353	Increased Expression with Increasing Exponent
REACTOME KERATAN SULFATE KERATIN METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME KERATAN SULFATE KERATIN METABOLISM	78	-0.228293	-0.779213	0.739464	0.908561	Increased Expression with Increasing Exponent
TERAMOTO_OPN_TARGETS_CLUSTER_4	http://www.broadinstitute.org/gsea/msigdb/cards/TERAMOTO_OPN_TARGETS_CLUSTER_4	29	-0.267089	-0.778124	0.734104	0.908705	Increased Expression with Increasing Exponent
KIM_ALL_DISORDERS_CALB1_CORR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_ALL_DISORDERS_CALB1_CORR_DN	69	-0.230326	-0.777832	0.743689	0.908764	Increased Expression with Increasing Exponent
WEST_ADRENOCORTICAL_CARCINOMA_VS_ADENOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WEST_ADRENOCORTICAL_CARCINOMA_VS_ADENOMA_DN	61	-0.254428	-0.77928	0.690945	0.908855	Increased Expression with Increasing Exponent
TRAYNOR_RETT_SYNDROM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TRAYNOR_RETT_SYNDROM_DN	50	-0.257217	-0.778177	0.687251	0.909006	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_15	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_15	121	-0.220489	-0.777121	0.762475	0.909533	Increased Expression with Increasing Exponent
REACTOME_GRB2_EVENTS_IN_ERBB2_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GRB2_EVENTS_IN_ERBB2_SIGNALING	72	-0.200193	-0.776584	0.823985	0.91	Increased Expression with Increasing Exponent
REACTOME_SIGNALLING_TO_ERKS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALLING_TO_ERKS	105	-0.205134	-0.775195	0.789784	0.911005	Increased Expression with Increasing Exponent
WORSCHER_TUMOR_REJECTION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WORSCHER_TUMOR_REJECTION_DN	19	-0.28875	-0.774901	0.729084	0.911071	Increased Expression with Increasing Exponent
PID_REELIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_REELIN_PATHWAY	89	-0.211066	-0.775267	0.743434	0.91129	Increased Expression with Increasing Exponent
DANG_MYC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DANG_MYC_TARGETS_DN	87	-0.215948	-0.775482	0.742126	0.911344	Increased Expression with Increasing Exponent
FRIDMAN_IMMORTALIZATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FRIDMAN_IMMORTALIZATION_DN	71	-0.258658	-0.774215	0.7154	0.911381	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_NOTCH1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_NOTCH1	181	-0.181737	-0.773901	0.848837	0.911509	Increased Expression with Increasing Exponent
REACTOME_CELL_CELL_COMMUNICATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CELL_CELL_COMMUNICATION	340	-0.171687	-0.774379	0.884086	0.911518	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION GRANULOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION GRANULOCYTE_DN	38	-0.278617	-0.773056	0.695122	0.91246	Increased Expression with Increasing Exponent
KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ADIPOCYTOKINE_SIGNALING_PATHWAY	177	-0.185145	-0.772415	0.854086	0.912677	Increased Expression with Increasing Exponent
REACTOME_GABA_RECEPTOR_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GABA_RECEPTOR_ACTIVATION	120	-0.220922	-0.772627	0.718563	0.912718	Increased Expression with Increasing Exponent
MARTINEZ_RESPONSE_TO TRABECTEDIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARTINEZ_RESPONSE_TO TRABECTEDIN_UP	165	-0.198469	-0.771022	0.780392	0.912882	Increased Expression with Increasing Exponent
ZHENG_RESPONSE_TO ARSENITE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_RESPONSE_TO ARSENITE_UP	33	-0.285327	-0.771524	0.700803	0.912911	Increased Expression with Increasing Exponent
OSADA_ASCL1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OSADA_ASCL1_TARGETS_UP	104	-0.197413	-0.771159	0.826848	0.913053	Increased Expression with Increasing Exponent
ZHONG_RESPONSE_TO_AZACITIDINE_AND_TSA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHONG_RESPONSE_TO_AZACITIDINE_AND_TSA_DN	201	-0.223849	-0.771671	0.721545	0.913072	Increased Expression with Increasing Exponent
RIZ_ERYTHROID_DIFFERENTIATION_12HR	http://www.broadinstitute.org/gsea/msigdb/cards/RIZ_ERYTHROID_DIFFERENTIATION_12HR	108	-0.193489	-0.771869	0.803213	0.913143	Increased Expression with Increasing Exponent
REACTOME_CLASS_A1_RHODOPSIN LIKE RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CLASS_A1_RHODOPSIN LIKE RECEPTORS	445	-0.212502	-0.769949	0.761905	0.913395	Increased Expression with Increasing Exponent
PLASARI_NFIC_TARGETS_BASAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_NFIC_TARGETS_BASAL_UP	72	-0.241457	-0.770164	0.732	0.91344	Increased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_BMP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_BMP	69	-0.228847	-0.76958	0.754032	0.913581	Increased Expression with Increasing Exponent
GAVIN_FOXP3_TARGETS_CLUSTER_P4	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_FOXP3_TARGETS_CLUSTER_P4	224	-0.185371	-0.769272	0.80396	0.913668	Increased Expression with Increasing Exponent
PAPASPYRIDONOS_UNSTABLE_ATEROSCLEROTIC_PLAQUE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PAPASPYRIDONOS_UNSTABLE_ATEROSCLEROTIC_PLAQUE_UP	159	-0.275342	-0.769002	0.680244	0.913699	Increased Expression with Increasing Exponent
KREPEL_CD99_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KREPEL_CD99_TARGETS_DN	21	-0.283646	-0.770214	0.706587	0.913753	Increased Expression with Increasing Exponent
TANG_SENESCENCE_TP53_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TANG_SENESCENCE_TP53_TARGETS_UP	86	-0.222163	-0.768098	0.747059	0.913931	Increased Expression with Increasing Exponent
HALMOS_CEBPA_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HALMOS_CEBPA_TARGETS_DN	118	-0.204372	-0.768351	0.794059	0.91395	Increased Expression with Increasing Exponent
TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_TOP20_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TORCHIA_TARGETS_OF_EWSR1_FLI1_FUSION_TOP20_UP	38	-0.248382	-0.768514	0.772277	0.914083	Increased Expression with Increasing Exponent
HE_PTEN_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HE_PTEN_TARGETS_DN	25	-0.280098	-0.767372	0.710794	0.91424	Increased Expression with Increasing Exponent
NELSON_RESPONSE_TO ANDROGEN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NELSON_RESPONSE_TO ANDROGEN_UP	278	-0.177569	-0.766836	0.857143	0.914316	Increased Expression with Increasing Exponent
ZHANG_TLX_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_TLX_TARGETS_DN	226	-0.179732	-0.76704	0.844358	0.91438	Increased Expression with Increasing Exponent
KEGG_PRIMARY_IMMUNODEFICIENCY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PRIMARY_IMMUNODEFICIENCY	68	-0.24497	-0.766034	0.724272	0.914416	Increased Expression with Increasing Exponent
REACTOME_TELOMERE_MAINTENANCE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TELOMERE_MAINTENANCE	110	-0.251981	-0.76742	0.687764	0.914562	Increased Expression with Increasing Exponent
PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PANGAS_TUMOR_SUPPRESSION_BY_SMAD1_AND_SMAD5_DN	391	-0.166995	-0.766096	0.901235	0.914717	Increased Expression with Increasing Exponent
KENNY_CTNNB1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KENNY_CTNNB1_TARGETS_UP	137	-0.187415	-0.7663	0.849794	0.914783	Increased Expression with Increasing Exponent
ROSS_AML_WITH_CBFβ_MYH11_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/ROSS_AML_WITH_CBFβ_MYH11_FUSION	131	-0.257906	-0.765246	0.632296	0.914833	Increased Expression with Increasing Exponent
GAVIN_PDE3B_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_PDE3B_TARGETS	52	-0.287812	-0.765433	0.678501	0.914938	Increased Expression with Increasing Exponent
PLASARI_TGFB1_TARGETS_1HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_TGFB1_TARGETS_1HR_UP	70	-0.541623	-0.772698	0.0277228	0.91508	Increased Expression with Increasing Exponent
DASU_IL6_SIGNALING_SCAR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DASU_IL6_SIGNALING_SCAR_UP	64	-0.218773	-0.761552	0.797665	0.915425	Increased Expression with Increasing Exponent
KEGG_MELANOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_MELANOGENESIS	256	-0.178149	-0.764579	0.843373	0.915484	Increased Expression with Increasing Exponent
REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTIVATION_OF_TGFB1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CREB_PHOSPHORYLATION_THROUGH_THE_ACTIVATION_OF_TGFB1	93	-0.210642	-0.764207	0.779528	0.91565	Increased Expression with Increasing Exponent
PID_THROMBIN_PAR1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_THROMBIN_PAR1_PATHWAY	123	-0.206751	-0.76061	0.780583	0.915651	Increased Expression with Increasing Exponent
TAVOR_CEBPA_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TAVOR_CEBPA_TARGETS_DN	55	-0.249513	-0.76159	0.731707	0.915761	Increased Expression with Increasing Exponent
GERHOLD_ADIPOGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GERHOLD_ADIPOGENESIS_UP	103	-0.210234	-0.763876	0.792415	0.915783	Increased Expression with Increasing Exponent
WANG_CLASSIC_ADIPOGENIC_TARGETS_OF_PPARG	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_CLASSIC_ADIPOGENIC_TARGETS_OF_PPARG	49	-0.246921	-0.761046	0.757752	0.915806	Increased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_10HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_10HR_DN	172	-0.191157	-0.763595	0.856867	0.915812	Increased Expression with Increasing Exponent
GUTIERREZ_CHRONIC_LYMPHOCYTIC_LEUKEMIA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GUTIERREZ_CHRONIC_LYMPHOCYTIC_LEUKEMIA_DN	151	-0.18778	-0.760772	0.846	0.915827	Increased Expression with Increasing Exponent
KEGG_PANTOTHENATE_AND_COA BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PANTOTHENATE_AND_COA BIOSYNTHESIS	37	-0.249805	-0.761677	0.74902	0.916014	Increased Expression with Increasing Exponent
KEGG_ENDOCYTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ENDOCYTOSIS	496	-0.168413	-0.761193	0.898785	0.91602	Increased Expression with Increasing Exponent

NGUYEN_NOTCH1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NGUYEN_NOTCH1_TARGETS_UP	68	-0.204987	-0.762108	0.795455	0.916138	Increased Expression with Increasing Exponent
MAGRANGEAS_MULTIPLE_MYELOMA_IGLL_VS_IGLK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MAGRANGEAS_MULTIPLE_MYELOMA_IGLL_VS_IGLK_UP	114	-0.185905	-0.763097	0.862782	0.916186	Increased Expression with Increasing Exponent
GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GOTZMANN_EPITHELIAL_TO_MESENCHYMAL_TRANSITION_DN	491	-0.169894	-0.762154	0.907787	0.916465	Increased Expression with Increasing Exponent
REICHERT_MITOSIS_LIN9_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/REICHERT_MITOSIS_LIN9_TARGETS	80	-0.296074	-0.762302	0.646465	0.916647	Increased Expression with Increasing Exponent
BERNARD_PPAPDC1B_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BERNARD_PPAPDC1B_TARGETS_DN	191	-0.170466	-0.759621	0.896078	0.916732	Increased Expression with Increasing Exponent
ZHAN_LATE_DIFFERENTIATION_GENES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_LATE_DIFFERENTIATION_GENES_UP	94	-0.212445	-0.75928	0.788423	0.916872	Increased Expression with Increasing Exponent
BHATTACHARYA_EMBRYONIC_STEM_CELL	http://www.broadinstitute.org/gsea/msigdb/cards/BHATTACHARYA_EMBRYONIC_STEM_CELL	187	-0.232539	-0.76237	0.700803	0.916937	Increased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C0	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C0	260	-0.190474	-0.758967	0.78389	0.916951	Increased Expression with Increasing Exponent
GALI_TP53_TARGETS_APOPTOTIC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GALI_TP53_TARGETS_APOPTOTIC_DN	18	0.753558	173,313	0.00596421	0.91778	Decreased Expression with Increasing Exponent
REACTOME_RNA_POL_III_TRANSCRIPTION_INITIATION_FROM_TYPE_3_PROMOTER	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_III_TRANSCRIPTION_INITIATION_FROM_TYPE_3_PROMOTER	60	-0.227622	-0.757583	0.763566	0.918215	Increased Expression with Increasing Exponent
LIN_MELANOMA_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIN_MELANOMA_COPY_NUMBER_UP	185	-0.187399	-0.757757	0.802761	0.918347	Increased Expression with Increasing Exponent
REACTOME_PROSTANOID_LIGAND_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROSTANOID_LIGAND_RECEPTORS	27	-0.277579	-0.757007	0.703557	0.918681	Increased Expression with Increasing Exponent
REACTOME_ACTIVATED_TAK1_MEDIATES_P38_MAPK_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATED_TAK1_MEDIATES_P38_MAPK_ACTIVATION	43	-0.233104	-0.756542	0.761431	0.919007	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_13	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_13	68	-0.219839	-0.755771	0.788845	0.919787	Increased Expression with Increasing Exponent
REACTOME_HIGHLY_CALCIUM_PERMEABLE_POSTSYNAPTIC_NICOTINIC_ACETYLCHOLINE_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HIGHLY_CALCIUM_PERMEABLE_POSTSYNAPTIC_NICOTINIC_ACETYLCHOLINE_RECEPTORS	19	-0.268326	-0.755472	0.795181	0.919824	Increased Expression with Increasing Exponent
CHIBA_RESPONSE_TO_TSA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIBA_RESPONSE_TO_TSA_UP	123	-0.213888	-0.754304	0.795761	0.920803	Increased Expression with Increasing Exponent
REACTOME_TRANSPORT_OF_MATURE_TRANSCRIPT_TO_CYTOPLASM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSPORT_OF_MATURE_TRANSCRIPT_TO_CYTOPLASM	151	-0.240265	-0.754324	0.698189	0.921163	Increased Expression with Increasing Exponent
BOYERINAS_ONCOFETAL_TARGETS_OF_LET7A1	http://www.broadinstitute.org/gsea/msigdb/cards/BOYERINAS_ONCOFETAL_TARGETS_OF_LET7A1	37	-0.247956	-0.752272	0.804979	0.921475	Increased Expression with Increasing Exponent
KANNAN_TP53_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KANNAN_TP53_TARGETS_DN	61	-0.210311	-0.751877	0.806122	0.921663	Increased Expression with Increasing Exponent
KANNAN_TP53_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KANNAN_TP53_TARGETS_UP	116	-0.185303	-0.751582	0.842629	0.921703	Increased Expression with Increasing Exponent
WU_APOPTOSIS_BY_CDKN1A_NOT_VIA_TP53	http://www.broadinstitute.org/gsea/msigdb/cards/WU_APOPTOSIS_BY_CDKN1A_NOT_VIA_TP53	26	-0.272383	-0.752336	0.729167	0.921772	Increased Expression with Increasing Exponent
REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GROWTH_CONE_EXTENSION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SEMA4D_INDUCED_CELL_MIGRATION_AND_GROWTH_CONE_EXTENSION	81	-0.192896	-0.750949	0.880392	0.921841	Increased Expression with Increasing Exponent
NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NUNODA_RESPONSE_TO_DASATINIB_IMATINIB_DN	37	-0.260128	-0.751206	0.747495	0.921873	Increased Expression with Increasing Exponent
PASQUALUCCI_LYMPHOMA_BY_GC_STAGE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PASQUALUCCI_LYMPHOMA_BY_GC_STAGE_DN	434	-0.166669	-0.752376	0.907258	0.922093	Increased Expression with Increasing Exponent
MARTORIATI_MDM4_TARGETS_FETAL_LIVER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARTORIATI_MDM4_TARGETS_FETAL_LIVER_UP	486	-0.171371	-0.753165	0.831418	0.922109	Increased Expression with Increasing Exponent
WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_IMMORTALIZED_BY_HOXA9_AND_MEIS1_DN	48	-0.250294	-0.752452	0.711968	0.922365	Increased Expression with Increasing Exponent
KLEIN_PRIMARY_EFFUSION_LYMPHOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KLEIN_PRIMARY_EFFUSION_LYMPHOMA_UP	133	-0.196129	-0.752696	0.799591	0.922381	Increased Expression with Increasing Exponent
SHEPARD_CRUSH_AND_BURN_MUTANT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SHEPARD_CRUSH_AND_BURN_MUTANT_DN	448	-0.175262	-0.750034	0.780335	0.922765	Increased Expression with Increasing Exponent
BUCKANOVICH_T_LYMPHOCYTE_HOMING_ON_TUMOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BUCKANOVICH_T_LYMPHOCYTE_HOMING_ON_TUMOR_UP	99	-0.206925	-0.749702	0.767068	0.922861	Increased Expression with Increasing Exponent
WIELAND_UP_BY_HBV_INFECTION	http://www.broadinstitute.org/gsea/msigdb/cards/WIELAND_UP_BY_HBV_INFECTION	226	-0.287345	-0.748288	0.676892	0.924515	Increased Expression with Increasing Exponent
REACTOME_PLC_BETA_MEDIATED_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PLC_BETA_MEDIATED_EVENTS	116	-0.204914	-0.747385	0.813853	0.925044	Increased Expression with Increasing Exponent
REACTOME_INSULIN_RECEPTOR_RECYCLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INSULIN_RECEPTOR_RECYCLING	53	-0.224786	-0.746694	0.776699	0.92528	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_IFNA_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_IFNA_SIGNALING	50	-0.229537	-0.747444	0.799607	0.925345	Increased Expression with Increasing Exponent
KEGG_HEDGEHOG_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_HEDGEHOG_SIGNALING_PATHWAY	140	-0.178193	-0.745487	0.870786	0.925468	Increased Expression with Increasing Exponent
REACTOME_ADENYLATE_CYCLASE_ACTIVATING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ADENYLATE_CYCLASE_ACTIVATING_PATHWAY	24	-0.275624	-0.746813	0.738372	0.925501	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_MYC_TGFA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_MYC_TGFA_DN	120	-0.189988	-0.745568	0.832061	0.925746	Increased Expression with Increasing Exponent
SMITH_TERT_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMITH_TERT_TARGETS_UP	341	-0.184056	-0.745625	0.842412	0.926057	Increased Expression with Increasing Exponent
PID_ARF6_TRAFFICKING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ARF6_TRAFFICKING_PATHWAY	135	-0.199856	-0.742772	0.835391	0.926286	Increased Expression with Increasing Exponent
HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_DN	185	-0.184569	-0.74439	0.843629	0.926307	Increased Expression with Increasing Exponent
DAZARD_UV_RESPONSE_CLUSTER_G6	http://www.broadinstitute.org/gsea/msigdb/cards/DAZARD_UV_RESPONSE_CLUSTER_G6	490	-0.180092	-0.74569	0.857143	0.926349	Increased Expression with Increasing Exponent
SCHLESINGER_METHYLATED_DE_NOVO_IN_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLESINGER_METHYLATED_DE_NOVO_IN_CANCER	235	-0.182342	-0.741902	0.864271	0.926403	Increased Expression with Increasing Exponent
KEGG_INOSITOL_PHOSPHATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_INOSITOL_PHOSPHATE_METABOLISM	143	-0.189519	-0.743462	0.861933	0.926451	Increased Expression with Increasing Exponent
REACTOME_RIG_I_MDAS_MEDIATED_INDUCION_OF_IFN_ALPHA_BETA_1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RIG_I_MDAS_MEDIATED_INDUCION_OF_IFN_ALPHA_BETA_1	159	-0.192895	-0.744561	0.802761	0.926452	Increased Expression with Increasing Exponent
WATTEL_AUTONOMOUS_THYROID_ADENOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WATTEL_AUTONOMOUS_THYROID_ADENOMA_UP	169	-0.175415	-0.742912	0.880309	0.926455	Increased Expression with Increasing Exponent
HASLINGER_B_CLL_WITH_13Q14_DELETION	http://www.broadinstitute.org/gsea/msigdb/cards/HASLINGER_B_CLL_WITH_13Q14_DELETION	70	-0.198386	-0.743692	0.851779	0.926502	Increased Expression with Increasing Exponent
KIM_TIAL1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_TIAL1_TARGETS	74	-0.222358	-0.743957	0.762279	0.926521	Increased Expression with Increasing Exponent
REACTOME_ERKS_ARE_INACTIVATED	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ERKS_ARE_INACTIVATED	34	-0.253361	-0.742066	0.753968	0.92655	Increased Expression with Increasing Exponent
RICKMAN_HEAD_AND_NECK_CANCER_B	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_HEAD_AND_NECK_CANCER_B	93	-0.201996	-0.743049	0.801512	0.926631	Increased Expression with Increasing Exponent
KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PHOSPHATIDYLINOSITOL_SIGNALING_SYSTEM	214	-0.181927	-0.742119	0.890838	0.92686	Increased Expression with Increasing Exponent
WIEDERSCHAIN_TARGETS_OF_BMI1_AND_PCGF2	http://www.broadinstitute.org/gsea/msigdb/cards/WIEDERSCHAIN_TARGETS_OF_BMI1_AND_PCGF2	155	-0.197801	-0.740959	0.780392	0.926976	Increased Expression with Increasing Exponent
YAGI_AML_RELAPSE_PROGNOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/YAGI_AML_RELAPSE_PROGNOSIS	95	-0.203294	-0.741134	0.832	0.927085	Increased Expression with Increasing Exponent
ZEILSTRA_CD44_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZEILSTRA_CD44_TARGETS_DN	25	-0.334348	-0.739036	0.722555	0.92771	Increased Expression with Increasing Exponent
MYLLKANGAS_AMPLIFICATION_HOT_SPOT_23	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLKANGAS_AMPLIFICATION_HOT_SPOT_23	62	-0.209207	-0.738672	0.821359	0.92784	Increased Expression with Increasing Exponent
TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_DN	83	-0.24473	-0.739875	0.706226	0.92807	Increased Expression with Increasing Exponent
LOPEZ_MESOTHELIOMA_SURVIVAL_OVERALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_MESOTHELIOMA_SURVIVAL_OVERALL_UP	25	-0.254437	-0.739046	0.794118	0.928085	Increased Expression with Increasing Exponent
CASTELLANO_NRAS_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CASTELLANO_NRAS_TARGETS_DN	40	-0.214667	-0.739436	0.843023	0.928299	Increased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G2	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G2	63	-0.205243	-0.735608	0.850746	0.928357	Increased Expression with Increasing Exponent
REACTOME_DEGRADATION_OF_THE_EXTRACELLULAR_MATRIX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DEGRADATION_OF_THE_EXTRACELLULAR_MATRIX	59	-0.224308	-0.738027	0.806982	0.928396	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_IFNG_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_IFNG_SIGNALING	44	-0.241431	-0.736659	0.775758	0.928447	Increased Expression with Increasing Exponent
KEGG_GNRH_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GNRH_SIGNALING_PATHWAY	294	-0.175403	-0.739062	0.870183	0.928449	Increased Expression with Increasing Exponent
KUROKAWA_LIVER_CANCER_CHEMOTHERAPY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KUROKAWA_LIVER_CANCER_CHEMOTHERAPY_UP	32	-0.257361	-0.736788	0.784274	0.928643	Increased Expression with Increasing Exponent
VIETOR_IFRD1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/VIETOR_IFRD1_TARGETS	61	-0.211593	-0.735615	0.848361	0.928731	Increased Expression with Increasing Exponent
SMITH_TERT_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMITH_TERT_TARGETS_DN	223	-0.185335	-0.735905	0.840404	0.928736	Increased Expression with Increasing Exponent
LIN_MELANOMA_COPY_NUMBER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIN_MELANOMA_COPY_NUMBER_DN	127	-0.205216	-0.736163	0.777132	0.928761	Increased Expression with Increasing Exponent
BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_48HR_UP	37	-0.218921	-0.736951	0.848907	0.928796	Increased Expression with Increasing Exponent
WUNDER_INFLAMMATORY_RESPONSE_AND_CHOLESTEROL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WUNDER_INFLAMMATORY_RESPONSE_AND_CHOLESTEROL_UP	147	-0.262351	-0.737006	0.659319	0.929094	Increased Expression with Increasing Exponent
EHRlich_ICF_SYNDROM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/EHRlich_ICF_SYNDROM_DN	64	-0.226475	-0.734433	0.771967	0.929244	Increased Expression with Increasing Exponent
REACTOME_INTERFERON_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTERFERON_SIGNALING	388	-0.198349	-0.734607	0.72541	0.929378	Increased Expression with Increasing Exponent
PID_P13K_PLC_TRK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P13K_PLC_TRK_PATHWAY	113	-0.204348	-0.737035	0.794821	0.929438	Increased Expression with Increasing Exponent
MIKKELSEN_MCV6_ICP_WITH_H3K4ME3_AND_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MCV6_ICP_WITH_H3K4ME3_AND_H3K27ME3	95	-0.201678	-0.733348	0.824092	0.930043	Increased Expression with Increasing Exponent
PARK_HSC_VS_MULTIPOTENT_PROGENITORS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_HSC_VS_MULTIPOTENT_PROGENITORS_UP	71	-0.224499	-0.733527	0.798387	0.930153	Increased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_INTERFERON_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_INTERFERON_DN	122	-0.186549	-0.732334	0.854209	0.931078	Increased Expression with Increasing Exponent
LEIN_CHOROID_PLEXUS_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_CHOROID_PLEXUS_MARKERS	233	-0.205441	-0.728475	0.792757	0.93142	Increased Expression with Increasing Exponent
CERVERA_SDHB_TARGETS_2	http://www.broadinstitute.org/gsea/msigdb/cards/CERVERA_SDHB_TARGETS_2	294	-0.171199	-0.728611	0.893822	0.93163	Increased Expression with Increasing Exponent
REACTOME_G_ALPHA_S_SIGNALING_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G_ALPHA_S_SIGNALING_EVENTS	244	-0.172686	-0.728785	0.885772	0.931761	Increased Expression with Increasing Exponent
ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_UP	252	-0.162094	-0.727867	0.941532	0.931896	Increased Expression with Increasing Exponent
EHRlich_ICF_SYNDROM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/EHRlich_ICF_SYNDROM_UP	69	-0.224486	-0.728882	0.786585	0.932015	Increased Expression with Increasing Exponent
VERNELL_RETINOBLASTOMA_PATHWAY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VERNELL_RETINOBLASTOMA_PATHWAY_DN	57	-0.212602	-0.731278	0.808712	0.932186	Increased Expression with Increasing Exponent
PID_MAPK_TRK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_MAPK_TRK_PATHWAY	99	-0.193408	-0.724123	0.836223	0.932298	Increased Expression with Increasing Exponent
BIOCARTA_VITCB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_VITCB_PATHWAY	34	-0.244289	-0.725523	0.786372	0.932354	Increased Expression with Increasing Exponent
JOHNSTONE_PARVB_TARGETS_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JOHNSTONE_PARVB_TARGETS_2_UP	325	-0.186851	-0.728886	0.80381	0.932396	Increased Expression with Increasing Exponent
OHGUCHI_LIVER_HNF4A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OHGUCHI_LIVER_HNF4A_TARGETS_DN	268	-0.186198	-0.725089	0.868421	0.932539	Increased Expression with Increasing Exponent
WEST_ADRENOCHORTICAL_TUMOR_MARKERS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WEST_ADRENOCHORTICAL_TUMOR_MARKERS_UP	54	-0.243797	-0.729065	0.718876	0.932558	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_14	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_14	310	-0.193819	-0.724475	0.783838	0.932593	Increased Expression with Increasing Exponent
TCGA_GLIOMASTOMA_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TCGA_GLIOMASTOMA_COPY_NUMBER_UP	203	-0.186624	-0.724145	0.837121	0.932645	Increased Expression with Increasing Exponent
LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_UP	487	-0.182579	-0.725543	0.842742	0.932719	Increased Expression with Increasing Exponent
BHAT_ESR1_TARGETS_NOT_VIA_AKT1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BHAT_ESR1_TARGETS_NOT_VIA_AKT1_DN	269	-0.175172	-0.724675	0.895792	0.932734	Increased Expression with Increasing Exponent
BIOCARTA_GLYCOLYSIS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_GLYCOLYSIS_PATHWAY	36	-0.288608	-0.725806	0.725838	0.932765	Increased Expression with Increasing Exponent
KONDO_COLON_CANCER_HCP_WITH_H3K27ME1	http://www.broadinstitute.org/gsea/msigdb/cards/KONDO_COLON_CANCER_HCP_WITH_H3K27ME1	60	-0.205231	-0.729177	0.838	0.932783	Increased Expression with Increasing Exponent
REACTOME_INTERFERON_GAMMA_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTERFERON_GAMMA_SIGNALING	179	-0.239351	-0.72601	0.690619	0.932887	Increased Expression with Increasing Exponent
SA_REG_CASCADE_OF_CYCLIN_EXPR	http://www.broadinstitute.org/gsea/msigdb/cards/SA_REG_CASCADE_OF_CYCLIN_EXPR	27	-0.274004	-0.729382	0.764479	0.932895	Increased Expression with Increasing Exponent
TANG_SENESCENCE_TP53_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TANG_SENESCENCE_TP53_TARGETS_DN	132	-0.242502	-0.726775	0.66129	0.933008	Increased Expression with Increasing Exponent
DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DAVICIONI_PAX_FOXO1_SIGNATURE_IN_ARMIS_UP	154	-0.170258	-0.726463	0.904297	0.933035	Increased Expression with Increasing Exponent
NAKAJIMA_MAST_CELL	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAJIMA_MAST_CELL	83	-0.228428	-0.726186	0.742633	0.933041	Increased Expression with Increasing Exponent
PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_UP	150	-0.232315	-0.729522	0.722567	0.933087	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX3	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX3	15	-0.299584	-0.729906	0.761225	0.933325	Increased Expression with Increasing Exponent
GENTILE_UV_RESPONSE_CLUSTER_D7	http://www.broadinstitute.org/gsea/msigdb/cards/GENTILE_UV_RESPONSE_CLUSTER_D7	98	-0.188128	-0.729612	0.862626	0.933349	Increased Expression with Increasing Exponent
PID_BARD1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_BARD1_PATHWAY	80	-0.241826	-0.722702	0.71627	0.933461	Increased Expression with Increasing Exponent

RIZ_ERYTHROID_DIFFERENTIATION	http://www.broadinstitute.org/gsea/msigdb/cards/RIZ_ERYTHROID_DIFFERENTIATION	211	-0.184084	-0.722937	0.810526	0.933527	Increased Expression with Increasing Exponent
WU_HBX_TARGETS_3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WU_HBX_TARGETS_3_DN	28	-0.248875	-0.729975	0.757874	0.933624	Increased Expression with Increasing Exponent
CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHARAFE_BREAST_CANCER_BASAL_VS_MESENCHYMAL_UP	261	-0.18382	-0.720704	0.843444	0.933861	Increased Expression with Increasing Exponent
BIOCARTA_EIF2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EIF2_PATHWAY	31	-0.251777	-0.721663	0.7875	0.934117	Increased Expression with Increasing Exponent
RHODES_CANCER_META_SIGNATURE	http://www.broadinstitute.org/gsea/msigdb/cards/RHODES_CANCER_META_SIGNATURE	166	-0.244798	-0.721326	0.74375	0.934192	Increased Expression with Increasing Exponent
GEORGES_CELL_CYCLE_MIR192_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/GEORGES_CELL_CYCLE_MIR192_TARGETS	164	-0.209816	-0.72072	0.759336	0.934225	Increased Expression with Increasing Exponent
NATSUME_RESPONSE_TO_INTERFERON_BETA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NATSUME_RESPONSE_TO_INTERFERON_BETA_DN	133	-0.197445	-0.720083	0.819277	0.934269	Increased Expression with Increasing Exponent
HUMMERICH_MALIGNANT_SKIN_TUMOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HUMMERICH_MALIGNANT_SKIN_TUMOR_UP	23	-0.29298	-0.720903	0.75	0.934367	Increased Expression with Increasing Exponent
REACTOME_BIOSYNTHESIS_OF_THE_N_GLYCAN_PRECURSOR_DOLICHOL_L	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_BIOSYNTHESIS_OF_THE_N_GLYCAN_PRECURSOR_DOLICHOL_L	47	-0.245604	-0.721713	0.765914	0.934446	Increased Expression with Increasing Exponent
GOBERT_CORE_OLIGODENDROCYTE_DIFFERENTIATION	http://www.broadinstitute.org/gsea/msigdb/cards/GOBERT_CORE_OLIGODENDROCYTE_DIFFERENTIATION	103	-0.18937	-0.719594	0.832016	0.934534	Increased Expression with Increasing Exponent
OUYANG_PROSTATE_CANCER_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/OUYANG_PROSTATE_CANCER_MARKERS	60	-0.232569	-0.718809	0.792683	0.934844	Increased Expression with Increasing Exponent
REACTOME_METABOLISM_OF_VITAMINS_AND_COFACTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_METABOLISM_OF_VITAMINS_AND_COFACTORS	135	-0.189252	-0.718811	0.867735	0.935224	Increased Expression with Increasing Exponent
ZHOU_PANCREATIC_EXOCRINE_PROGENITOR	http://www.broadinstitute.org/gsea/msigdb/cards/ZHOU_PANCREATIC_EXOCRINE_PROGENITOR	28	-0.235252	-0.716071	0.808511	0.936109	Increased Expression with Increasing Exponent
MCCLUNG_DELTA_FOSB_TARGETS_8WK	http://www.broadinstitute.org/gsea/msigdb/cards/MCCLUNG_DELTA_FOSB_TARGETS_8WK	150	-0.189871	-0.715654	0.839836	0.93625	Increased Expression with Increasing Exponent
IKEDA_MIR30_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IKEDA_MIR30_TARGETS_DN	86	-0.217193	-0.716218	0.798793	0.936293	Increased Expression with Increasing Exponent
FARDIN_HYPOXIA_11	http://www.broadinstitute.org/gsea/msigdb/cards/FARDIN_HYPOXIA_11	88	-0.27629	-0.716477	0.710891	0.936335	Increased Expression with Increasing Exponent
MALIK_REPRESSED_BY_ESTROGEN	http://www.broadinstitute.org/gsea/msigdb/cards/MALIK_REPRESSED_BY_ESTROGEN	28	-0.249265	-0.716855	0.796578	0.936618	Increased Expression with Increasing Exponent
SHAFFER_IRF4_TARGETS_IN_ACTIVATED_DENDRITIC_CELL	http://www.broadinstitute.org/gsea/msigdb/cards/SHAFFER_IRF4_TARGETS_IN_ACTIVATED_DENDRITIC_CELL	174	-0.176764	-0.716506	0.882957	0.936681	Increased Expression with Increasing Exponent
YOSHIOKA_LIVER_CANCER_EARLY_RECURRENCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YOSHIOKA_LIVER_CANCER_EARLY_RECURRENCE_DN	166	-0.157627	-0.716859	0.957282	0.936998	Increased Expression with Increasing Exponent
HOGERKORP_CD44_TARGETS_DIRECT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOGERKORP_CD44_TARGETS_DIRECT_UP	64	-0.192155	-0.712299	0.913386	0.938709	Increased Expression with Increasing Exponent
KATSANOULAVL1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KATSANOULAVL1_TARGETS_UP	379	-0.174367	-0.712825	0.864	0.938791	Increased Expression with Increasing Exponent
SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_2	http://www.broadinstitute.org/gsea/msigdb/cards/SATO_SILENCED_BY_METHYLATION_IN_PANCREATIC_CANCER_2	107	-0.182519	-0.711296	0.907071	0.938869	Increased Expression with Increasing Exponent
IRITANI_MAD1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IRITANI_MAD1_TARGETS_DN	121	-0.233503	-0.711594	0.752556	0.938872	Increased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_D_CLUSTER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_D_CLUSTER_UP	66	-0.187359	-0.711824	0.872984	0.938946	Increased Expression with Increasing Exponent
BROWNE_INTERFERON_RESPONSIVE_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_INTERFERON_RESPONSIVE_GENES	162	-0.259904	-0.712317	0.689453	0.939066	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_BH3_ONLY_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_BH3_ONLY_PROTEINS	43	-0.21532	-0.712874	0.839836	0.939113	Increased Expression with Increasing Exponent
ST_G_ALPHA_S_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_G_ALPHA_S_PATHWAY	52	-0.19932	-0.7129	0.873267	0.939461	Increased Expression with Increasing Exponent
PID_IL8_CXCR2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_IL8_CXCR2_PATHWAY	84	-0.213781	-0.709194	0.798464	0.940058	Increased Expression with Increasing Exponent
HOSHIDA_LIVER_CANCER_SUBCLASS_S2	http://www.broadinstitute.org/gsea/msigdb/cards/HOSHIDA_LIVER_CANCER_SUBCLASS_S2	332	-0.188212	-0.709259	0.857977	0.94036	Increased Expression with Increasing Exponent
MATZUK_CENTRAL_FOR_FEMALE_FERTILITY	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_CENTRAL_FOR_FEMALE_FERTILITY	65	-0.211076	-0.709513	0.841797	0.940422	Increased Expression with Increasing Exponent
YOKOE_CANCER_TESTIS_ANTIGENS	http://www.broadinstitute.org/gsea/msigdb/cards/YOKOE_CANCER_TESTIS_ANTIGENS	72	-0.180108	-0.709624	0.93617	0.940663	Increased Expression with Increasing Exponent
SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_UP	77	-0.199456	-0.707152	0.842324	0.940725	Increased Expression with Increasing Exponent
HEDENFALK_BREAST_CANCER_HEREDITARY_VS_SPORADIC	http://www.broadinstitute.org/gsea/msigdb/cards/HEDENFALK_BREAST_CANCER_HEREDITARY_VS_SPORADIC	104	-0.186902	-0.708	0.85443	0.940795	Increased Expression with Increasing Exponent
REACTOME_GLYCUCURONIDATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLYCUCURONIDATION	19	-0.259417	-0.70724	0.842829	0.940999	Increased Expression with Increasing Exponent
NIELSEN_SCHWANNOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_SCHWANNOMA_UP	44	-0.227802	-0.708097	0.824	0.941062	Increased Expression with Increasing Exponent
KEGG_PURINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PURINE_METABOLISM	355	-0.151046	-0.70637	0.985944	0.941357	Increased Expression with Increasing Exponent
TESAR_ALK_TARGETS_EPISC_3D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TESAR_ALK_TARGETS_EPISC_3D_UP	16	-0.282632	-0.70725	0.812757	0.941367	Increased Expression with Increasing Exponent
WINTER_HYPOXIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WINTER_HYPOXIA_UP	213	-0.20635	-0.702123	0.742857	0.943647	Increased Expression with Increasing Exponent
PID_MYC_ACTIV_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_MYC_ACTIV_PATHWAY	205	-0.187208	-0.702156	0.83195	0.94399	Increased Expression with Increasing Exponent
BOYVAULT_LIVER_CANCER_SUBCLASS_G12_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYVAULT_LIVER_CANCER_SUBCLASS_G12_UP	101	-0.195136	-0.701215	0.848659	0.944025	Increased Expression with Increasing Exponent
WONG_ENDOMETRIUM_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WONG_ENDOMETRIUM_CANCER_DN	216	-0.201381	-0.701379	0.823875	0.944191	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_CD2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_CD2_UP	135	-0.168114	-0.703213	0.934021	0.944202	Increased Expression with Increasing Exponent
XU_HGF_TARGETS_INDUCED_BY_AKT1_48HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/XU_HGF_TARGETS_INDUCED_BY_AKT1_48HR_DN	72	-0.227793	-0.702287	0.766798	0.944223	Increased Expression with Increasing Exponent
REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSMISSION_ACROSS_CHEMICAL_SYNAPSES	488	-0.178614	-0.703668	0.860558	0.944384	Increased Expression with Increasing Exponent
VALK_AML_CLUSTER_8	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_8	87	-0.200167	-0.700219	0.845238	0.944491	Increased Expression with Increasing Exponent
MIKKELSEN_ES_ICP_WITH_H3K4ME3_AND_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_ES_ICP_WITH_H3K4ME3_AND_H3K27ME3	283	-0.175904	-0.703243	0.898204	0.944537	Increased Expression with Increasing Exponent
WANG_BARRETTS_ESOPHAGUS_AND_ESOPHAGUS_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_BARRETTS_ESOPHAGUS_AND_ESOPHAGUS_CANCER_DN	73	-0.21578	-0.702307	0.805118	0.944579	Increased Expression with Increasing Exponent
KOBAYASHI_RESPONSE_TO_ROMIDEPSIN	http://www.broadinstitute.org/gsea/msigdb/cards/KOBAYASHI_RESPONSE_TO_ROMIDEPSIN	43	-0.230434	-0.700438	0.829907	0.944621	Increased Expression with Increasing Exponent
REACTOME_O_LINKED_GLYCOSYLATION_OF_MUCINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_O_LINKED_GLYCOSYLATION_OF_MUCINS	117	-0.193038	-0.702448	0.887574	0.944792	Increased Expression with Increasing Exponent
REACTOME_INWARDLY_RECTIFYING_K_CHANNELS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INWARDLY_RECTIFYING_K_CHANNELS	73	-0.192845	-0.699195	0.89759	0.944937	Increased Expression with Increasing Exponent
YANG_BREAST_CANCER_ESR1_LASER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_BREAST_CANCER_ESR1_LASER_DN	167	-0.190935	-0.699519	0.840237	0.944939	Increased Expression with Increasing Exponent
AIYAR_COBRA1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/AIYAR_COBRA1_TARGETS_DN	69	-0.200468	-0.696912	0.841808	0.945056	Increased Expression with Increasing Exponent
HECKER_IFNB1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/HECKER_IFNB1_TARGETS	162	-0.244379	-0.697484	0.70751	0.94512	Increased Expression with Increasing Exponent
REACTOME_RAF_MAP_KINASE_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RAF_MAP_KINASE_CASCADE	29	-0.228607	-0.697164	0.831721	0.945135	Increased Expression with Increasing Exponent
AKL_HTLV1_INFECTION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/AKL_HTLV1_INFECTION_DN	194	-0.17585	-0.69803	0.873211	0.94519	Increased Expression with Increasing Exponent
REACTOME_PHOSPHOLIPID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PHOSPHOLIPID_METABOLISM	456	-0.160583	-0.697515	0.937255	0.945464	Increased Expression with Increasing Exponent
WOTTON_RUNX_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WOTTON_RUNX_TARGETS_UP	51	-0.200972	-0.698111	0.877907	0.945477	Increased Expression with Increasing Exponent
TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TARTE_PLASMA_CELL_VS_B_LYMPHOCYTE_UP	199	-0.217523	-0.695561	0.790123	0.945488	Increased Expression with Increasing Exponent
HEDENFALK_BREAST_CANCER_BRACX_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HEDENFALK_BREAST_CANCER_BRACX_UP	42	-0.241192	-0.694573	0.804971	0.945554	Increased Expression with Increasing Exponent
SCHLESINGER_H3K27ME3_IN_NORMAL_AND_METHYLATED_IN_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLESINGER_H3K27ME3_IN_NORMAL_AND_METHYLATED_IN_CANCER	67	-0.228696	-0.696132	0.806186	0.945602	Increased Expression with Increasing Exponent
LIN_NPAS4_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIN_NPAS4_TARGETS_UP	390	-0.157759	-0.698268	0.960396	0.945679	Increased Expression with Increasing Exponent
REACTOME_MRNA_SPLICING_MINOR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MRNA_SPLICING_MINOR_PATHWAY	93	-0.234072	-0.695664	0.788845	0.945749	Increased Expression with Increasing Exponent
GRANDVAUX_IRF3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GRANDVAUX_IRF3_TARGETS_UP	37	-0.261513	-0.694703	0.761811	0.945773	Increased Expression with Increasing Exponent
MURAKAMI_UV_RESPONSE_6HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MURAKAMI_UV_RESPONSE_6HR_UP	84	-0.198452	-0.694923	0.854772	0.945878	Increased Expression with Increasing Exponent
REACTOME_REGULATION_OF_INSULIN_SECRETION_BY_GLYCAGON_LIKE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_INSULIN_SECRETION_BY_GLYCAGON_LIKE	105	-0.179579	-0.69327	0.912955	0.945928	Increased Expression with Increasing Exponent
MARKEY_RB1_CHRONIC_LOF_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARKEY_RB1_CHRONIC_LOF_UP	266	-0.171505	-0.691289	0.888446	0.945968	Increased Expression with Increasing Exponent
DAUER_STAT3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DAUER_STAT3_TARGETS_DN	111	-0.251322	-0.690347	0.716567	0.945985	Increased Expression with Increasing Exponent
REACTOME_METABOLISM_OF_POLYAMINES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_METABOLISM_OF_POLYAMINES	34	-0.211849	-0.693395	0.862903	0.946173	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_E2F1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_E2F1_DN	122	-0.182886	-0.691416	0.895146	0.94619	Increased Expression with Increasing Exponent
NIELSEN_GIST_VS_SYNOVIAL_SARCOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_GIST_VS_SYNOVIAL_SARCOMA_DN	46	-0.249178	-0.692028	0.813665	0.946293	Increased Expression with Increasing Exponent
REACTOME_PKA_MEDIATED_PHOSPHORYLATION_OF_CREB	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PKA_MEDIATED_PHOSPHORYLATION_OF_CREB	45	-0.20942	-0.690381	0.87885	0.946322	Increased Expression with Increasing Exponent
DELLA_RESPONSE_TO_TSA_AND_BUTYRATE	http://www.broadinstitute.org/gsea/msigdb/cards/DELLA_RESPONSE_TO_TSA_AND_BUTYRATE	44	-0.197383	-0.691639	0.907445	0.946333	Increased Expression with Increasing Exponent
HSIAO_LIVER_SPECIFIC_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/HSIAO_LIVER_SPECIFIC_GENES	486	-0.17797	-0.693546	0.892216	0.946397	Increased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_1_DN	106	-0.166414	-0.692224	0.945525	0.94643	Increased Expression with Increasing Exponent
WILLIAMS_ESR2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WILLIAMS_ESR2_TARGETS_DN	35	-0.22916	-0.692492	0.825095	0.946492	Increased Expression with Increasing Exponent
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_UP	211	-0.20941	-0.690474	0.723735	0.946586	Increased Expression with Increasing Exponent
LEE_INTRATHYMIC_T_PROGENITOR	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_INTRATHYMIC_T_PROGENITOR	58	-0.210601	-0.689366	0.853814	0.946736	Increased Expression with Increasing Exponent
ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_2HR	http://www.broadinstitute.org/gsea/msigdb/cards/ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_2HR	15	-0.28056	-0.687411	0.797665	0.946743	Increased Expression with Increasing Exponent
WHITFIELD_CELL_CYCLE_G2	http://www.broadinstitute.org/gsea/msigdb/cards/WHITFIELD_CELL_CYCLE_G2	488	-0.166279	-0.687019	0.874743	0.946839	Increased Expression with Increasing Exponent
ENGELMANN_CANCER_PROGENITORS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ENGELMANN_CANCER_PROGENITORS_UP	118	-0.181007	-0.687471	0.8998	0.947056	Increased Expression with Increasing Exponent
REACTOME_BMAL1_CLOCK_NPAS2_ACTIVATES_CIRCADIAN_EXPRESSION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_BMAL1_CLOCK_NPAS2_ACTIVATES_CIRCADIAN_EXPRESSION	120	-0.196238	-0.68769	0.849206	0.947186	Increased Expression with Increasing Exponent
TERAMOTO_OPN_TARGETS_CLUSTER_7	http://www.broadinstitute.org/gsea/msigdb/cards/TERAMOTO_OPN_TARGETS_CLUSTER_7	55	-0.193737	-0.688643	0.898239	0.947225	Increased Expression with Increasing Exponent
MCCABE_HOXC6_TARGETS_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCCABE_HOXC6_TARGETS_CANCER_DN	64	-0.200876	-0.686008	0.865145	0.947236	Increased Expression with Increasing Exponent
REACTOME_ACYL_CHAIN_REMODELLING_OF_PE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACYL_CHAIN_REMODELLING_OF_PE	38	-0.208683	-0.686318	0.883576	0.947254	Increased Expression with Increasing Exponent
UDAYAKUMAR_MED1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/UDAYAKUMAR_MED1_TARGETS_UP	432	-0.175526	-0.685493	0.902893	0.947435	Increased Expression with Increasing Exponent
ZHAN_VARIABLE_EARLY_DIFFERENTIATION_GENES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_VARIABLE_EARLY_DIFFERENTIATION_GENES_DN	71	-0.206366	-0.687725	0.855751	0.947522	Increased Expression with Increasing Exponent
VERHAAK_GLIOMASTOMA_CLASSICAL	http://www.broadinstitute.org/gsea/msigdb/cards/VERHAAK_GLIOMASTOMA_CLASSICAL	409	-0.228662	-0.687881	0.727273	0.947721	Increased Expression with Increasing Exponent
PRAMOONJAGO_SOX4_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PRAMOONJAGO_SOX4_TARGETS_DN	150	-0.193195	-0.684785	0.85336	0.947875	Increased Expression with Increasing Exponent
SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_DN	160	-0.177494	-0.682729	0.910156	0.949873	Increased Expression with Increasing Exponent
FARMER_BREAST_CANCER_CLUSTER_6	http://www.broadinstitute.org/gsea/msigdb/cards/FARMER_BREAST_CANCER_CLUSTER_6	40	-0.260896	-0.681475	0.762279	0.950525	Increased Expression with Increasing Exponent
FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_UP	377	-0.198342	-0.681795	0.724206	0.950545	Increased Expression with Increasing Exponent
GALE_APL_WITH FLT3_MUTATED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GALE_APL_WITH FLT3_MUTATED_UP	173	-0.184197	-0.680553	0.86166	0.951205	Increased Expression with Increasing Exponent
SU_THYMUS	http://www.broadinstitute.org/gsea/msigdb/cards/SU_THYMUS	42	-0.220409	-0.680162	0.84585	0.951251	Increased Expression with Increasing Exponent
BILANGES_SERUM_RESPONSE_TRANSLATION	http://www.broadinstitute.org/gsea/msigdb/cards/BILANGES_SERUM_RESPONSE_TRANSLATION	89	-0.232642	-0.678493	0.753876	0.95275	Increased Expression with Increasing Exponent
REACTOME_TRANSLOCATION_OF_ZAP_70_TO_IMMUNOLOGICAL_SYNAPSE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSLOCATION_OF_ZAP_70_TO_IMMUNOLOGICAL_SYNAPSE	25	-0.319338	-0.672213	0.751012	0.953666	Increased Expression with Increasing Exponent
YIH_RESPONSE_TO_ARSENITE_C2	http://www.broadinstitute.org/gsea/msigdb/cards/YIH_RESPONSE_TO_ARSENITE_C2	47	-0.210774	-0.671182	0.839104	0.953676	Increased Expression with Increasing Exponent
KEGG_GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM	36	0.538361	173,536	0.0237154	0.953805	Decreased Expression with Increasing Exponent
REACTOME_BILE_SALT_AND_ORGANIC_ANION_SLC_TRANSPORTERS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_BILE_SALT_AND_ORGANIC_ANION_SLC_TRANSPORTERS	27	-0.232461	-0.672403	0.88668	0.953856	Increased Expression with Increasing Exponent

PID_P13KCI_AKT_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P13KCI_AKT_PATHWAY	111	-0.176316	-0.670287	0.919679	0.953902	Increased Expression with Increasing Exponent
KUNINGER_IGF1_VS_PDGBF_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KUNINGER_IGF1_VS_PDGBF_TARGETS_DN	90	-0.210768	-0.673288	0.849594	0.954001	Increased Expression with Increasing Exponent
MEISSNER_NPC_ICP_WITH_H3_UNMETHYLATED	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_NPC_ICP_WITH_H3_UNMETHYLATED	42	-0.197977	-0.671185	0.911704	0.954048	Increased Expression with Increasing Exponent
PID_RXR_VDR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RXR_VDR_PATHWAY	86	-0.191977	-0.670447	0.869048	0.954112	Increased Expression with Increasing Exponent
MARIADASON_REGULATED_BY_HISTONE_ACETYLATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_REGULATED_BY_HISTONE_ACETYLTATC	209	-0.157459	-0.672456	0.973077	0.954171	Increased Expression with Increasing Exponent
REICHERT_G1S_REGULATORS_AS_P13K_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/REICHERT_G1S_REGULATORS_AS_P13K_TARGETS	21	-0.289611	-0.671397	0.76569	0.954192	Increased Expression with Increasing Exponent
CROONQUIST_STROMAL_STIMULATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CROONQUIST_STROMAL_STIMULATION_DN	36	-0.213237	-0.672673	0.87169	0.954305	Increased Expression with Increasing Exponent
REACTOME_INTERFERON_ALPHA_BETA_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTERFERON_ALPHA_BETA_SIGNALING	123	-0.236603	-0.673688	0.754527	0.954334	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_6HR_UP	422	-0.161428	-0.673309	0.933071	0.954362	Increased Expression with Increasing Exponent
REACTOME_ACYL_CHAIN_REMODELLING_OF_PC	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACYL_CHAIN_REMODELLING_OF_PC	42	-0.203142	-0.676274	0.900415	0.954478	Increased Expression with Increasing Exponent
REACTOME_INSULIN_SYNTHESIS_AND_PROCESSING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INSULIN_SYNTHESIS_AND_PROCESSING	53	-0.216371	-0.673831	0.843621	0.954553	Increased Expression with Increasing Exponent
CHEBOTAEV_GR_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHEBOTAEV_GR_TARGETS_DN	291	-0.148669	-0.674042	0.970276	0.954696	Increased Expression with Increasing Exponent
REACTOME_IRON_UPTAKE_AND_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IRON_UPTAKE_AND_TRANSPORT	83	-0.200819	-0.676389	0.850202	0.954722	Increased Expression with Increasing Exponent
SMID_BREAST_CANCER_LUMINAL_A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_LUMINAL_A_DN	35	-0.254999	-0.674983	0.735729	0.954747	Increased Expression with Increasing Exponent
KYNG_NORMAL_AGING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_NORMAL_AGING_DN	83	-0.178085	-0.674189	0.899396	0.954908	Increased Expression with Increasing Exponent
VARELA_ZMPSTE24_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VARELA_ZMPSTE24_TARGETS_DN	81	-0.193167	-0.675184	0.916327	0.95491	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX5_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER	19	-0.267011	-0.674454	0.828063	0.954989	Increased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G6_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G6_DN	51	-0.230118	-0.675414	0.828512	0.955047	Increased Expression with Increasing Exponent
BAFNA_MUCA_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BAFNA_MUCA_TARGETS_UP	16	-0.27538	-0.663834	0.848671	0.955508	Increased Expression with Increasing Exponent
WAGNER_APO2_SENSITIVITY	http://www.broadinstitute.org/gsea/msigdb/cards/WAGNER_APO2_SENSITIVITY	57	-0.194764	-0.662658	0.899194	0.955572	Increased Expression with Increasing Exponent
CHEBOTAEV_GR_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHEBOTAEV_GR_TARGETS_UP	198	-0.159024	-0.667936	0.95858	0.955642	Increased Expression with Increasing Exponent
IWANAGA_E2F1_TARGETS_INDUCED_BY_SERUM	http://www.broadinstitute.org/gsea/msigdb/cards/IWANAGA_E2F1_TARGETS_INDUCED_BY_SERUM	93	-0.193765	-0.664076	0.893069	0.955653	Increased Expression with Increasing Exponent
GOUYER_TATI_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GOUYER_TATI_TARGETS_DN	40	-0.240013	-0.661143	0.828629	0.955689	Increased Expression with Increasing Exponent
TIMOFEEVA_GROWTH_STRESS_VIA_STAT1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TIMOFEEVA_GROWTH_STRESS_VIA_STAT1_DN	49	-0.218311	-0.661428	0.84739	0.955757	Increased Expression with Increasing Exponent
KOBAYASHI_EGFR_SIGNALING_6HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KOBAYASHI_EGFR_SIGNALING_6HR_UP	30	-0.258335	-0.660689	0.816901	0.955762	Increased Expression with Increasing Exponent
REACTOME_EICOSANOID_LIGAND_BINDING_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_EICOSANOID_LIGAND_BINDING_RECEPTO	38	-0.233498	-0.667437	0.832669	0.955788	Increased Expression with Increasing Exponent
REACTOME_CYTOSOLIC_TRNA_AMINOACYLATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CYTOSOLIC_TRNA_AMINOACYLATION	49	-0.239601	-0.662689	0.79845	0.955908	Increased Expression with Increasing Exponent
LE_EGR2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LE_EGR2_TARGETS_UP	283	-0.200188	-0.66417	0.759916	0.955925	Increased Expression with Increasing Exponent
BIOCARTA_PARKIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PARKIN_PATHWAY	35	-0.227608	-0.667987	0.853801	0.955966	Increased Expression with Increasing Exponent
REACTOME_POST_NMDA_RECEPTOR_ACTIVATION_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_POST_NMDA_RECEPTOR_ACTIVATION_EV	109	-0.180936	-0.661918	0.920792	0.955973	Increased Expression with Increasing Exponent
MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMATASE_INHIBITORS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MASRI_RESISTANCE_TO_TAMOXIFEN_AND_AROMAT	46	-0.198097	-0.664479	0.890838	0.955986	Increased Expression with Increasing Exponent
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_KERATAN_SULFATE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_KERA	43	-0.201381	-0.661463	0.904573	0.956093	Increased Expression with Increasing Exponent
RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_SMAD4_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_SMAD4_UP	20	-0.256317	-0.666789	0.829545	0.956129	Increased Expression with Increasing Exponent
REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSCRIPTION_FACTOR_A	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NUCLEAR_EVENTS_KINASE_AND_TRANSC	73	-0.199665	-0.662805	0.837302	0.956166	Increased Expression with Increasing Exponent
JEON_SMAD6_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JEON_SMAD6_TARGETS_DN	48	-0.213902	-0.66462	0.836735	0.956205	Increased Expression with Increasing Exponent
MORI_PRE_BI_LYMPHOCTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_PRE_BI_LYMPHOCTE_UP	174	-0.210171	-0.665303	0.735772	0.95621	Increased Expression with Increasing Exponent
BIOCARTA_WNT_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_WNT_PATHWAY	89	-0.182584	-0.666005	0.885214	0.956223	Increased Expression with Increasing Exponent
PID_CONE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CONE_PATHWAY	35	-0.203616	-0.664817	0.906883	0.956377	Increased Expression with Increasing Exponent
GARCIA_TARGETS_OF_FLI1_AND_DAX1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GARCIA_TARGETS_OF_FLI1_AND_DAX1_UP	128	-0.168123	-0.666059	0.93159	0.956547	Increased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_PE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_PE	25	-0.217432	-0.665337	0.865462	0.956549	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_10	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLL	163	-0.172485	-0.657799	0.917895	0.958243	Increased Expression with Increasing Exponent
KIM_ALL_DISORDERS_DURATION_CORR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_ALL_DISORDERS_DURATION_CORR_UP	32	-0.225458	-0.653515	0.831683	0.958679	Increased Expression with Increasing Exponent
WALLACE_PROSTATE_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WALLACE_PROSTATE_CANCER_UP	49	-0.166736	-0.656831	0.903226	0.95882	Increased Expression with Increasing Exponent
REACTOME_INITIAL_TRIGGERING_OF_COMPLEMENT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INITIAL_TRIGGERING_OF_COMPLEMENT	25	-0.243561	-0.652934	0.816206	0.958885	Increased Expression with Increasing Exponent
SHIPP_DLCL_CURED_VS_FATAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SHIPP_DLCL_CURED_VS_FATAL_DN	127	-0.162825	-0.653664	0.944773	0.958905	Increased Expression with Increasing Exponent
FINETTI_BREAST_CANCERS_KINOME_GRAY	http://www.broadinstitute.org/gsea/msigdb/cards/FINETTI_BREAST_CANCERS_KINOME_GRAY	58	-0.212178	-0.655175	0.853608	0.958922	Increased Expression with Increasing Exponent
RASHI_RESPONSE_TO_IONIZING_RADIATION_4	http://www.broadinstitute.org/gsea/msigdb/cards/RASHI_RESPONSE_TO_IONIZING_RADIATION_4	159	-0.157787	-0.654775	0.961538	0.958946	Increased Expression with Increasing Exponent
LU_AGING_BRAIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LU_AGING_BRAIN_DN	448	-0.161812	-0.653947	0.930233	0.959002	Increased Expression with Increasing Exponent
LEIN_OLIGODENDROCYTE_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_OLIGODENDROCYTE_MARKERS	180	-0.212504	-0.650837	0.777108	0.959002	Increased Expression with Increasing Exponent
LIN_APC_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/LIN_APC_TARGETS	166	-0.175202	-0.656191	0.906615	0.959091	Increased Expression with Increasing Exponent
ZHANG_INTERFERON_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_INTERFERON_RESPONSE	47	-0.303263	-0.651476	0.757085	0.959121	Increased Expression with Increasing Exponent
REACTOME_GLYCOLYSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLYCOLYSIS	70	-0.214126	-0.652302	0.8	0.959137	Increased Expression with Increasing Exponent
XU_HGF_SIGNALING_NOT_VIA_AKT1_48HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/XU_HGF_SIGNALING_NOT_VIA_AKT1_48HR_DN	60	-0.214409	-0.655281	0.826172	0.959197	Increased Expression with Increasing Exponent
REACTOME_NITRIC_OXIDE_STIMULATES_GUANYLATE_CYCLASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NITRIC_OXIDE_STIMULATES_GUANYLATE	73	-0.221022	-0.651008	0.821501	0.959207	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_30	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_30	16	-0.265712	-0.654084	0.847358	0.959238	Increased Expression with Increasing Exponent
ZHAN_V1_LATE_DIFFERENTIATION_GENES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_V1_LATE_DIFFERENTIATION_GENES_UP	71	-0.208145	-0.65176	0.868	0.959246	Increased Expression with Increasing Exponent
KARLSSON_TGFB1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KARLSSON_TGFB1_TARGETS_UP	352	-0.177012	-0.655623	0.887295	0.959253	Increased Expression with Increasing Exponent
MIKKELSEN_MCV6_LCP_WITH_H3K4ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MCV6_LCP_WITH_H3K4ME3	303	-0.172053	-0.648129	0.896341	0.959341	Increased Expression with Increasing Exponent
REACTOME_IMMUNOREGULATORY_INTERACTIONS_BETWEEN_A_LYMPHC	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_IMMUNOREGULATORY_INTERACTIONS_B	129	-0.224025	-0.649526	0.799205	0.959495	Increased Expression with Increasing Exponent
NABA_ECM_REGULATORS	http://www.broadinstitute.org/gsea/msigdb/cards/NABA_ECM_REGULATORS	468	-0.17274	-0.648234	0.911591	0.959604	Increased Expression with Increasing Exponent
TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUSTAINED_IN_GRANUL	http://www.broadinstitute.org/gsea/msigdb/cards/TONKS_TARGETS_OF_RUNX1_RUNX1T1_FUSION_SUS	15	-0.267799	-0.649799	0.841797	0.959613	Increased Expression with Increasing Exponent
REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION_AND_ACTIVATION_	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_JNK_C_JUN_KINASES_PHOSPHORYLATION	44	-0.198236	-0.648998	0.881391	0.959616	Increased Expression with Increasing Exponent
FINAK_BREAST_CANCER_SDPD_SIGNATURE	http://www.broadinstitute.org/gsea/msigdb/cards/FINAK_BREAST_CANCER_SDPD_SIGNATURE	51	-0.237307	-0.648586	0.834694	0.959666	Increased Expression with Increasing Exponent
GRAHAM_CML_DIVIDING_VS_NORMAL_DIVIDING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_DIVIDING_VS_NORMAL_DIVIDING_DN	31	-0.249447	-0.645151	0.837624	0.959953	Increased Expression with Increasing Exponent
SMID_BREAST_CANCER_ERBB2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_ERBB2_DN	17	-0.259134	-0.645528	0.836502	0.95997	Increased Expression with Increasing Exponent
KYNG_WERNER_SYNDROM_AND_NORMAL_AGING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_WERNER_SYNDROM_AND_NORMAL_AGING_UP	255	-0.142082	-0.645872	0.992172	0.960008	Increased Expression with Increasing Exponent
DELASERNA_TARGETS_OF_MYOD_AND_SMARCA4	http://www.broadinstitute.org/gsea/msigdb/cards/DELASERNA_TARGETS_OF_MYOD_AND_SMARCA4	25	-0.246549	-0.644456	0.846614	0.960229	Increased Expression with Increasing Exponent
LY_AGING_OLD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LY_AGING_OLD_DN	114	-0.221425	-0.646378	0.753086	0.960249	Increased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_SUBSTRATES_IN_N_GLYCAN_BIOSYTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_SUBSTRATES_IN_N_GLYC	20	-0.249749	-0.643953	0.840164	0.960298	Increased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_NMDA_RECEPTOR_UPON GLUTAMATE_BIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_NMDA_RECEPTOR_UPO	122	-0.170881	-0.645907	0.94246	0.960345	Increased Expression with Increasing Exponent
GREENBAUM_E2A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GREENBAUM_E2A_TARGETS_UP	89	-0.221771	-0.6434	0.75523	0.960444	Increased Expression with Increasing Exponent
NAKAMURA_METASTASIS_MODEL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_METASTASIS_MODEL_DN	118	-0.188717	-0.646528	0.876	0.960479	Increased Expression with Increasing Exponent
REACTOME_HS_GAG_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HS_GAG_BIOSYNTHESIS	64	-0.182229	-0.642202	0.939638	0.961164	Increased Expression with Increasing Exponent
NIELSEN_LEIOMYOSARCOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_LEIOMYOSARCOMA_DN	46	-0.211928	-0.637748	0.861111	0.961471	Increased Expression with Increasing Exponent
HOSHIDA_LIVER_CANCER_LATE_RECURRENCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOSHIDA_LIVER_CANCER_LATE_RECURRENCE_DN	152	-0.157043	-0.637994	0.977099	0.96162	Increased Expression with Increasing Exponent
BIOCARTA_PLCE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PLCE_PATHWAY	46	-0.196769	-0.641095	0.896694	0.961784	Increased Expression with Increasing Exponent
PARK_APL_PATHOGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_APL_PATHOGENESIS_UP	30	-0.197897	-0.638121	0.913043	0.961883	Increased Expression with Increasing Exponent
REACTOME_RNA_POL_III_TRANSCRIPTION_INITIATION_FROM_TYPE_2_PR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_III_TRANSCRIPTION_INITIATION	58	-0.189386	-0.640518	0.909266	0.96194	Increased Expression with Increasing Exponent
MATZUK_POST-IMPLANTATION_AND_POST-PARTUM	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_POST-IMPLANTATION_AND_POST-PARTUM	31	-0.214241	-0.636133	0.885827	0.962197	Increased Expression with Increasing Exponent
DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_UV_RESPONSE_VIA_ERCC3_XPCS_UP	70	-0.160314	-0.638189	0.968127	0.962204	Increased Expression with Increasing Exponent
REACTOME_CTNNB1_PHOSPHORYLATION_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CTNNB1_PHOSPHORYLATION_CASCADE	51	-0.204882	-0.638524	0.865613	0.962265	Increased Expression with Increasing Exponent
ZIRN_TRETINOIN_RESPONSE_WT1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZIRN_TRETINOIN_RESPONSE_WT1_UP	70	-0.187335	-0.636306	0.913371	0.962405	Increased Expression with Increasing Exponent
YAN_ESCAPE_FROM_ANOIKIS	http://www.broadinstitute.org/gsea/msigdb/cards/YAN_ESCAPE_FROM_ANOIKIS	61	-0.235072	-0.634903	0.794821	0.962508	Increased Expression with Increasing Exponent
BRUNEAU_HEART_GREAT_VESSELS_AND_VALVULOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/BRUNEAU_HEART_GREAT_VESSELS_AND_VALVULOGE	32	-0.201393	-0.614824	0.900826	0.962551	Increased Expression with Increasing Exponent
IIZUKA_LIVER_CANCER_PROGRESSION_L0_L1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IIZUKA_LIVER_CANCER_PROGRESSION_L0_L1_DN	53	-0.209498	-0.638638	0.856557	0.962551	Increased Expression with Increasing Exponent
VISALA_RESPONSE_TO_HEAT_SHOCK_AND_AGING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VISALA_RESPONSE_TO_HEAT_SHOCK_AND_AGING_DI	38	-0.212897	-0.635232	0.893574	0.962592	Increased Expression with Increasing Exponent
KIM_GERMINAL_CENTER_T_HELPER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_GERMINAL_CENTER_T_HELPER_DN	70	-0.17593	-0.633405	0.937751	0.962764	Increased Expression with Increasing Exponent
FINETTI_BREAST_CANCERS_KINOME_BLUE	http://www.broadinstitute.org/gsea/msigdb/cards/FINETTI_BREAST_CANCERS_KINOME_BLUE	63	-0.172396	-0.638751	0.956262	0.962798	Increased Expression with Increasing Exponent
MOOTHA_GLUONEOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/MOOTHA_GLUONEOGENESIS	71	-0.194555	-0.615828	0.893281	0.962857	Increased Expression with Increasing Exponent
GHO_ATF5_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GHO_ATF5_TARGETS_UP	31	-0.196163	-0.614893	0.928425	0.962859	Increased Expression with Increasing Exponent
LEE_TARGETS_OF_PTCH1_AND_SUFU_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_TARGETS_OF_PTCH1_AND_SUFU_DN	240	-0.175076	-0.631525	0.902913	0.962925	Increased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_12HR_DN	114	-0.167581	-0.615242	0.938462	0.962946	Increased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_6	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLL	184	-0.167979	-0.635391	0.956863	0.962956	Increased Expression with Increasing Exponent
WHITFIELD_CELL_CYCLE_S	http://www.broadinstitute.org/gsea/msigdb/cards/WHITFIELD_CELL_CYCLE_S	432	-0.161025	-0.632683	0.927711	0.96303	Increased Expression with Increasing Exponent
YAGUE_PRETUMOR_DRUG_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YAGUE_PRETUMOR_DRUG_RESISTANCE_UP	18	-0.251584	-0.638875	0.847619	0.963061	Increased Expression with Increasing Exponent
HOLLEMAN_PREDNISOLONE_RESISTANCE_B_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_PREDNISOLONE_RESISTANCE_B_ALL_DN	35	-0.216298	-0.615875	0.858268	0.963185	Increased Expression with Increasing Exponent
FARMER_BREAST_CANCER_CLUSTER_4	http://www.broadinstitute.org/gsea/msigdb/cards/FARMER_BREAST_CANCER_CLUSTER_4	46	-0.224526	-0.63157	0.8357	0.963248	Increased Expression with Increasing Exponent
REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HEPARAN_SULFATE_HEPARIN_HS_GAG_I	123	-0.159138	-0.61672	0.955912	0.963251	Increased Expression with Increasing Exponent

KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	84	-0.192754	-0.633626	0.886973	0.963291	Increased Expression with Increasing Exponent
DAVICIONI_MOLECULAR_ARM5_VS_ERMS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DAVICIONI_MOLECULAR_ARM5_VS_ERMS_DN	444	-0.158649	-0.630609	0.935547	0.963307	Increased Expression with Increasing Exponent
KRIGE_AMINO_ACID_DEPRIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/KRIGE_AMINO_ACID_DEPRIVATION	67	-0.200312	-0.631877	0.878	0.963353	Increased Expression with Increasing Exponent
REACTOME_PLATELET_HOMEOSTASIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PLATELET_HOMEOSTASIS	220	-0.155742	-0.615981	0.971774	0.963459	Increased Expression with Increasing Exponent
MAHADEVAN_IMATINIB_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MAHADEVAN_IMATINIB_RESISTANCE_DN	33	-0.215235	-0.616864	0.911765	0.963502	Increased Expression with Increasing Exponent
CHEN_HOXA5_TARGETS_9HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_HOXA5_TARGETS_9HR_DN	107	-0.17468	-0.617307	0.948347	0.963512	Increased Expression with Increasing Exponent
PID_E2F_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_E2F_PATHWAY	178	-0.170584	-0.617577	0.906122	0.963659	Increased Expression with Increasing Exponent
REACTOME_CA_DEPENDENT_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CA_DEPENDENT_EVENTS	86	-0.18359	-0.624367	0.925847	0.96375	Increased Expression with Increasing Exponent
ABRAMSON_INTERACT_WITH_AIRE	http://www.broadinstitute.org/gsea/msigdb/cards/ABRAMSON_INTERACT_WITH_AIRE	124	-0.215059	-0.612667	0.851546	0.963805	Increased Expression with Increasing Exponent
LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LI_WILMS_TUMOR_VS_FETAL_KIDNEY_1_DN	384	-0.183825	-0.61157	0.810379	0.963901	Increased Expression with Increasing Exponent
REACTOME_ANTIVIRAL_MECHANISM_BY_IFN_STIMULATED_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ANTIVIRAL_MECHANISM_BY_IFN_STIMULATED_GENES	171	-0.167638	-0.61866	0.959432	0.963904	Increased Expression with Increasing Exponent
NOUSHMEHR_GBM_GERMLINE_MUTATED	http://www.broadinstitute.org/gsea/msigdb/cards/NOUSHMEHR_GBM_GERMLINE_MUTATED	15	-0.249579	-0.620453	0.900383	0.963907	Increased Expression with Increasing Exponent
WANG_ADIPOGENIC_GENES_REPRESSED_BY_SIRT1	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_ADIPOGENIC_GENES_REPRESSED_BY_SIRT1	60	-0.222825	-0.612005	0.821569	0.963932	Increased Expression with Increasing Exponent
REACTOME_GLUCCOSE_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLUCCOSE_TRANSPORT	89	-0.177215	-0.617685	0.921371	0.96394	Increased Expression with Increasing Exponent
KEGG_CYSSTEINE_AND_METHIONINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CYSSTEINE_AND_METHIONINE_METABOLISM	63	-0.161157	-0.624453	0.964	0.964051	Increased Expression with Increasing Exponent
ST_PAC1_RECEPTOR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_PAC1_RECEPTOR_PATHWAY	20	-0.238583	-0.620606	0.873518	0.964153	Increased Expression with Increasing Exponent
RORIE_TARGETS_OF_EWSR1_FLI1_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RORIE_TARGETS_OF_EWSR1_FLI1_FUSION_DN	68	-0.192818	-0.62151	0.894118	0.964176	Increased Expression with Increasing Exponent
REACTOME_RAS_ACTIVATION_UOPN_CA2_INFUX_THROUGH_NMDA_RECEPTOR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RAS_ACTIVATION_UOPN_CA2_INFUX_THROUGH_NMDA_RECEPTOR	56	-0.210751	-0.624736	0.868787	0.964181	Increased Expression with Increasing Exponent
GEISS_RESPONSE_TO_DSRNA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GEISS_RESPONSE_TO_DSRNA_UP	98	-0.209234	-0.617794	0.83499	0.964219	Increased Expression with Increasing Exponent
REACTOME_ALPHA_LINOLENIC_ACID_ALA_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ALPHA_LINOLENIC_ACID_ALA_METABOLISM	27	-0.226527	-0.618672	0.880081	0.964257	Increased Expression with Increasing Exponent
REACTOME_PHASE_II_CONJUGATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PHASE_II_CONJUGATION	125	-0.164099	-0.610008	0.964775	0.964284	Increased Expression with Increasing Exponent
VERRECCHIA_RESPONSE_TO_TGFB1_C1	http://www.broadinstitute.org/gsea/msigdb/cards/VERRECCHIA_RESPONSE_TO_TGFB1_C1	63	-0.194218	-0.620904	0.908537	0.964285	Increased Expression with Increasing Exponent
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAYAMA_SOFT_TISSUE_TUMORS_PCA2_DN	174	-0.181571	-0.622708	0.9	0.964353	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_SUBGROUPS	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_SUBGROUPS	66	-0.208004	-0.624888	0.852459	0.964423	Increased Expression with Increasing Exponent
OHGUCHI_LIVER_HNF4A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OHGUCHI_LIVER_HNF4A_TARGETS_UP	99	-0.175959	-0.62299	0.93985	0.964494	Increased Expression with Increasing Exponent
VICENT_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VICENT_METASTASIS_UP	48	-0.218094	-0.618809	0.858333	0.964507	Increased Expression with Increasing Exponent
MIKKELSEN_IPS_ICP_WITH_H3K4ME3_AND_H327ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_IPS_ICP_WITH_H3K4ME3_AND_H327ME3	243	-0.15529	-0.621538	0.98419	0.96452	Increased Expression with Increasing Exponent
POMEROY_MEDULLOBLASTOMA_PROGNOSIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/POMEROY_MEDULLOBLASTOMA_PROGNOSIS_DN	100	-0.176218	-0.610161	0.934694	0.96454	Increased Expression with Increasing Exponent
MARKS_HDAC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARKS_HDAC_TARGETS_DN	50	-0.204397	-0.609107	0.888016	0.964579	Increased Expression with Increasing Exponent
IIZUKA_LIVER_CANCER_PROGRESSION_L1_G1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IIZUKA_LIVER_CANCER_PROGRESSION_L1_G1_UP	63	-0.18783	-0.626897	0.91358	0.964592	Increased Expression with Increasing Exponent
SAENZ_DETOTOX_PATHWAY_AND_CARCIINOGENESIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SAENZ_DETOTOX_PATHWAY_AND_CARCIINOGENESIS_DN	25	-0.210558	-0.608555	0.89881	0.964615	Increased Expression with Increasing Exponent
REACTOME_GLYCOSAMINOGLYCAN_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLYCOSAMINOGLYCAN_METABOLISM	268	-0.155613	-0.621912	0.959223	0.964617	Increased Expression with Increasing Exponent
REACTOME_DESTABILIZATION_OF_MRNA_BY_BRF1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DESTABILIZATION_OF_MRNA_BY_BRF1	50	-0.192182	-0.627294	0.914683	0.964628	Increased Expression with Increasing Exponent
APPEL_IMATINIB_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/APPEL_IMATINIB_RESPONSE	85	-0.241445	-0.626377	0.771717	0.96465	Increased Expression with Increasing Exponent
PYEON_HPV_POSITIVE_TUMORS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PYEON_HPV_POSITIVE_TUMORS_UP	244	-0.189306	-0.625899	0.845528	0.964679	Increased Expression with Increasing Exponent
MAINA_VHL_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MAINA_VHL_TARGETS_DN	39	-0.187754	-0.607501	0.914172	0.964689	Increased Expression with Increasing Exponent
KEGG_RIBOFLAVIN_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_RIBOFLAVIN_METABOLISM	39	-0.196382	-0.625416	0.92278	0.964709	Increased Expression with Increasing Exponent
GROSS_HYPOXIA_VIA_HIF1A_ONLY	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HYPOXIA_VIA_HIF1A_ONLY	18	-0.240814	-0.624918	0.881905	0.964761	Increased Expression with Increasing Exponent
REACTOME_RECEPTOR_LIGAND_BINDING_INITIATES_THE_SECOND_PROTEIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RECEPTOR_LIGAND_BINDING_INITIATES_THE_SECOND_PROTEIN	29	-0.212907	-0.607852	0.895918	0.964772	Increased Expression with Increasing Exponent
CONRAD_GERMLINE_STEM_CELL	http://www.broadinstitute.org/gsea/msigdb/cards/CONRAD_GERMLINE_STEM_CELL	29	-0.184248	-0.618889	0.954902	0.964806	Increased Expression with Increasing Exponent
LEE_LIVER_CANCER_SURVIVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_SURVIVAL_DN	420	-0.171862	-0.62736	0.890269	0.964948	Increased Expression with Increasing Exponent
REACTOME_PEPTIDE_HORMONE_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PEPTIDE_HORMONE_BIOSYNTHESIS	15	-0.243496	-0.628206	0.89391	0.964997	Increased Expression with Increasing Exponent
REACTOME_NEGATIVE_REGULATORS_OF_RIG_I_MDA5_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NEGATIVE_REGULATORS_OF_RIG_I_MDA5_SIGNALING	77	-0.191824	-0.627744	0.887776	0.965002	Increased Expression with Increasing Exponent
MARSON_FOXP3_TARGETS_STIMULATED_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARSON_FOXP3_TARGETS_STIMULATED_DN	24	-0.18071	-0.604768	0.954733	0.966252	Increased Expression with Increasing Exponent
BIOCARTA_KREB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_KREB_PATHWAY	15	0.703304	174,079	0.00389864	0.966653	Decreased Expression with Increasing Exponent
BIOCARTA_TCAPOPTOSIS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TCAPOPTOSIS_PATHWAY	17	-0.264289	-0.60249	0.840954	0.967488	Increased Expression with Increasing Exponent
GENTLES_LEUKEMIC_STEM_CELL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GENTLES_LEUKEMIC_STEM_CELL_DN	25	-0.226414	-0.59987	0.884692	0.968221	Increased Expression with Increasing Exponent
HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCYTE_UP	103	-0.168216	-0.600497	0.947266	0.968512	Increased Expression with Increasing Exponent
VETTER_TARGETS_OF_PKRCA_AND_ET51_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VETTER_TARGETS_OF_PKRCA_AND_ET51_DN	43	-0.204701	-0.599904	0.907445	0.968557	Increased Expression with Increasing Exponent
REACTOME_CHROMOSOME_MAINTENANCE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CHROMOSOME_MAINTENANCE	219	-0.178001	-0.598069	0.866397	0.969078	Increased Expression with Increasing Exponent
RORIE_TARGETS_OF_EWSR1_FLI1_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RORIE_TARGETS_OF_EWSR1_FLI1_FUSION_UP	73	-0.186849	-0.591773	0.909457	0.972888	Increased Expression with Increasing Exponent
REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_SINGLE_NUCLEOTIDE_BINDING_DOMAIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_SINGLE_NUCLEOTIDE_BINDING_DOMAIN	26	-0.19498	-0.590099	0.947471	0.973629	Increased Expression with Increasing Exponent
PARK_HSC_AND_MULTIPOTENT_PROGENITORS	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_HSC_AND_MULTIPOTENT_PROGENITORS	162	-0.151193	-0.586208	0.984127	0.975669	Increased Expression with Increasing Exponent
PID_PLK1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_PLK1_PATHWAY	107	-0.173374	-0.583938	0.897704	0.976302	Increased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_UP	346	-0.173805	-0.583302	0.826667	0.976333	Increased Expression with Increasing Exponent
REACTOME_TANDEM_PORE_DOMAIN_POTASSIUM_CHANNELS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TANDEM_PORE_DOMAIN_POTASSIUM_CHANNELS	21	-0.226587	-0.584319	0.912879	0.976438	Increased Expression with Increasing Exponent
HOWLIN_CITED1_TARGETS_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOWLIN_CITED1_TARGETS_2_DN	38	-0.195755	-0.580957	0.910751	0.97665	Increased Expression with Increasing Exponent
WANG_LSD1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_LSD1_TARGETS_DN	85	-0.167633	-0.582182	0.941061	0.976663	Increased Expression with Increasing Exponent
ZHAN_VARIABLE_EARLY_DIFFERENTIATION_GENES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_VARIABLE_EARLY_DIFFERENTIATION_GENES_UP	33	-0.196148	-0.58115	0.928	0.9769	Increased Expression with Increasing Exponent
KEGG_GRAFT_VERSUS_HOST_DISEASE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GRAFT_VERSUS_HOST_DISEASE	94	-0.220883	-0.573572	0.803502	0.977234	Increased Expression with Increasing Exponent
PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_DN	29	-0.198323	-0.573761	0.944867	0.977483	Increased Expression with Increasing Exponent
BUCKANOVICH_T_LYMPHOCYTE_HOMING_ON_TUMOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BUCKANOVICH_T_LYMPHOCYTE_HOMING_ON_TUMOR_DN	66	-0.158298	-0.574197	0.978	0.977598	Increased Expression with Increasing Exponent
LEE_NAIVE_T_LYMPHOCYTE	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_NAIVE_T_LYMPHOCYTE	42	-0.198183	-0.577372	0.93254	0.977635	Increased Expression with Increasing Exponent
MA_PITUITARY_FETAL_VS_ADULT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MA_PITUITARY_FETAL_VS_ADULT_UP	75	-0.149892	-0.577883	0.991837	0.977697	Increased Expression with Increasing Exponent
SHIN_B_CELL_LYMPHOMA_CLUSTER_5	http://www.broadinstitute.org/gsea/msigdb/cards/SHIN_B_CELL_LYMPHOMA_CLUSTER_5	33	-0.195012	-0.575914	0.934694	0.977706	Increased Expression with Increasing Exponent
MIKKELSEN_MEF_ICP_WITH_H3K4ME3_AND_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MEF_ICP_WITH_H3K4ME3_AND_H3K27ME3	76	-0.160109	-0.57523	0.967118	0.977721	Increased Expression with Increasing Exponent
REACTOME_SLBP_DEPENDENT_PROCESSING_OF_REPLICATION_DEPENDENT_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SLBP_DEPENDENT_PROCESSING_OF_REPLICATION_DEPENDENT_PROTEINS	20	-0.244889	-0.578352	0.893788	0.977798	Increased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_6P24_P22_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_6P24_P22_AMPLICON	51	-0.188926	-0.574393	0.936475	0.977835	Increased Expression with Increasing Exponent
WU_HBX_TARGETS_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WU_HBX_TARGETS_1_DN	70	-0.17218	-0.571772	0.941767	0.97787	Increased Expression with Increasing Exponent
ZHAN_EARLY_DIFFERENTIATION_GENES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_EARLY_DIFFERENTIATION_GENES_UP	19	-0.211243	-0.576261	0.937876	0.977881	Increased Expression with Increasing Exponent
REACTOME_NEF_MEDIATED_DOWNREGULATION_OF_MHC_CLASS_II_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NEF_MEDIATED_DOWNREGULATION_OF_MHC_CLASS_II_COMPLEX	22	-0.209363	-0.568125	0.92623	0.979499	Increased Expression with Increasing Exponent
GAJATE_RESPONSE_TO TRABECTEDIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAJATE_RESPONSE_TO TRABECTEDIN_DN	44	-0.168956	-0.561763	0.967546	0.980984	Increased Expression with Increasing Exponent
MYLLKANGAS_AMPLIFICATION_HOT_SPOT_21	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLKANGAS_AMPLIFICATION_HOT_SPOT_21	16	-0.253581	-0.562025	0.896226	0.981211	Increased Expression with Increasing Exponent
KORKOLA_CORRELATED_WITH_POU5F1	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_CORRELATED_WITH_POU5F1	61	0.477555	170,702	0.0100806	0.981292	Decreased Expression with Increasing Exponent
REN_ALVEOLAR_RHABDOMYOSARCOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/REN_ALVEOLAR_RHABDOMYOSARCOMA_UP	259	-0.142287	-0.562194	0.990215	0.98149	Increased Expression with Increasing Exponent
REACTOME_RNA_POL_I_TRANSCRIPTION_TERMINATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_I_TRANSCRIPTION_TERMINATION	4	-0.194016	-0.562847	0.938947	0.981499	Increased Expression with Increasing Exponent
PID_HIF2PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HIF2PATHWAY	91	-0.161787	-0.559788	0.959064	0.981619	Increased Expression with Increasing Exponent
DER_IFN_GAMMA_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DER_IFN_GAMMA_RESPONSE_DN	27	-0.194457	-0.563205	0.955513	0.981674	Increased Expression with Increasing Exponent
TONG_INTERACT_WITH_PTTG1	http://www.broadinstitute.org/gsea/msigdb/cards/TONG_INTERACT_WITH_PTTG1	112	-0.148846	-0.557029	0.97619	0.982277	Increased Expression with Increasing Exponent
REACTOME_FGFR1_LIGAND_BINDING_AND_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FGFR1_LIGAND_BINDING_AND_ACTIVATION	29	-0.183351	-0.557033	0.941767	0.98264	Increased Expression with Increasing Exponent
KEGG_TYPE_1_DIABETES_MELLITUS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TYPE_1_DIABETES_MELLITUS	108	-0.196298	-0.5523	0.859719	0.984196	Increased Expression with Increasing Exponent
RICKMAN_TUMOR_DIFFERENTIATED_MODERATELY_VS_POORLY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_TUMOR_DIFFERENTIATED_MODERATELY_VS_POORLY_DN	63	-0.190998	-0.548413	0.925636	0.985637	Increased Expression with Increasing Exponent
KEGG_AUTOIMMUNE_THYROID_DISEASE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_AUTOIMMUNE_THYROID_DISEASE	108	-0.195615	-0.547594	0.857143	0.985651	Increased Expression with Increasing Exponent
TCGA_GLIOMASTOMA_MUTATED	http://www.broadinstitute.org/gsea/msigdb/cards/TCGA_GLIOMASTOMA_MUTATED	40	-0.183995	-0.542045	0.937132	0.985907	Increased Expression with Increasing Exponent
REACTOME_TRANSPORT_OF_RIBONUCLEOPROTEINS_INTO_THE_HOST_NUCLEUS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSPORT_OF_RIBONUCLEOPROTEINS_INTO_THE_HOST_NUCLEUS	78	-0.168309	-0.540549	0.957916	0.986211	Increased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_17Q11_Q21_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_17Q11_Q21_AMPLICON	250	-0.142698	-0.542124	0.968442	0.986234	Increased Expression with Increasing Exponent
ONGUSAHA_BRCA1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ONGUSAHA_BRCA1_TARGETS_UP	18	-0.216445	-0.542319	0.929688	0.986515	Increased Expression with Increasing Exponent
REACTOME_CIRCADIAN_REPRESSION_OF_EXPRESSION_BY_REV_ERBA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CIRCADIAN_REPRESSION_OF_EXPRESSION_BY_REV_ERBA	85	-0.163203	-0.542964	0.968379	0.986607	Increased Expression with Increasing Exponent
PETROVA_ENDOTHELIUM_LYMPHATIC_VS_BLOOD_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PETROVA_ENDOTHELIUM_LYMPHATIC_VS_BLOOD_UP	309	-0.133103	-0.535984	0.998	0.986629	Increased Expression with Increasing Exponent
SILIGAN_TARGETS_OF_EWS_FLI1_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SILIGAN_TARGETS_OF_EWS_FLI1_FUSION_UP	48	-0.177765	-0.536644	0.960581	0.986713	Increased Expression with Increasing Exponent
KEGG_LYSOSOME	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_LYSOSOME	292	-0.154324	-0.544105	0.959839	0.986832	Increased Expression with Increasing Exponent
MATZUK_CUMULUS_EXPANSION	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_CUMULUS_EXPANSION	16	-0.209127	-0.543207	0.941176	0.986858	Increased Expression with Increasing Exponent
WU_HBX_TARGETS_2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WU_HBX_TARGETS_2_DN	56	-0.168004	-0.537987	0.958015	0.986892	Increased Expression with Increasing Exponent
REACTOME_HYALURONAN_UPTAKE_AND_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HYALURONAN_UPTAKE_AND_DEGRADATION	31	-0.211554	-0.537004	0.895372	0.98694	Increased Expression with Increasing Exponent
MIKKELSEN_ES_HCP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_ES_HCP_WITH_H3K27ME3	85	-0.15236	-0.53376	0.979757	0.98716	Increased Expression with Increasing Exponent
REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT	28	-0.209032	-0.52658	0.890947	0.989577	Increased Expression with Increasing Exponent
KOINUMA_COLON_CANCER_MSI_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KOINUMA_COLON_CANCER_MSI_UP	28	-0.194951	-0.523802	0.944099	0.990213	Increased Expression with Increasing Exponent
JOHANSSON_BRAIN_CANCER_EARLY_VS_LATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JOHANSSON_BRAIN_CANCER_EARLY_VS_LATE_DN	117	-0.157109	-0.519841	0.971944	0.990536	Increased Expression with Increasing Exponent

BOYAULT_LIVER_CANCER_SUBCLASS_G3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAULT_LIVER_CANCER_SUBCLASS_G3_UP	464	-0.154372	-0.520179	0.956967	0.990785	Increased Expression with Increasing Exponent
REACTOME_TRAF3_DEPENDENT_IRF_ACTIVATION_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAF3_DEPENDENT_IRF_ACTIVATION_PA	33	-0.165119	-0.521009	0.983871	0.990877	Increased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_HP_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_HP_DN	107	-0.138336	-0.484097	0.991984	0.991501	Increased Expression with Increasing Exponent
KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION	197	-0.150329	-0.484731	0.957576	0.991711	Increased Expression with Increasing Exponent
VERHAAK_GLIOBLASTOMA_PRONEURAL	http://www.broadinstitute.org/gsea/msigdb/cards/VERHAAK_GLIOBLASTOMA_PRONEURAL	454	-0.18175	-0.485818	0.86558	0.991801	Increased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_1	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_1	17	-0.217813	-0.514839	0.938124	0.991875	Increased Expression with Increasing Exponent
WILLIAMS_ESR1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WILLIAMS_ESR1_TARGETS_DN	15	-0.19156	-0.51362	0.960707	0.991906	Increased Expression with Increasing Exponent
XU_AKT1_TARGETS_6HR	http://www.broadinstitute.org/gsea/msigdb/cards/XU_AKT1_TARGETS_6HR	69	-0.155097	-0.493573	0.978131	0.99201	Increased Expression with Increasing Exponent
MIKKELSEN_DEDIFFERENTIATED_STATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_DEDIFFERENTIATED_STATE_UP	19	-0.170886	-0.485855	0.980916	0.992154	Increased Expression with Increasing Exponent
PID_AURORA_B_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_AURORA_B_PATHWAY	94	-0.146331	-0.476184	0.975104	0.992252	Increased Expression with Increasing Exponent
SCIBETTA_KDMSB_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCIBETTA_KDMSB_TARGETS_DN	206	-0.138862	-0.497915	0.979592	0.992292	Increased Expression with Increasing Exponent
XU_RESPONSE_TO_TRETINOIN_AND_NSC682994_UP	http://www.broadinstitute.org/gsea/msigdb/cards/XU_RESPONSE_TO_TRETINOIN_AND_NSC682994_UP	39	-0.19076	-0.493783	0.926316	0.992321	Increased Expression with Increasing Exponent
REACTOME_CGMP_EFFECTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CGMP_EFFECTS	52	-0.165877	-0.474151	0.969008	0.992346	Increased Expression with Increasing Exponent
KUMAMOTO_RESPONSE_TO_NUTLIN_3A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KUMAMOTO_RESPONSE_TO_NUTLIN_3A_DN	19	-0.262771	-0.498813	0.867327	0.992408	Increased Expression with Increasing Exponent
DER_IFN_GAMMA_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DER_IFN_GAMMA_RESPONSE_UP	163	-0.155351	-0.496015	0.939331	0.992443	Increased Expression with Increasing Exponent
VANDESLUIS_COMMD1_TARGETS_GROUP_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANDESLUIS_COMMD1_TARGETS_GROUP_2_UP	33	-0.182509	-0.48586	0.936884	0.992515	Increased Expression with Increasing Exponent
PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PUJANA_BREAST_CANCER_WITH_BRCA1_MUTATED_I	129	-0.187177	-0.494163	0.874739	0.992575	Increased Expression with Increasing Exponent
YAMASHITA_LIVER_CANCER_WITH_EPCAM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YAMASHITA_LIVER_CANCER_WITH_EPCAM_DN	29	-0.16468	-0.476306	0.981443	0.992585	Increased Expression with Increasing Exponent
REACTOME_LYSOSOME_VESICLE_BIOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_LYSOSOME_VESICLE_BIOGENESIS	61	-0.150631	-0.488104	0.983871	0.992661	Increased Expression with Increasing Exponent
RAFFEL_VEGFA_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RAFFEL_VEGFA_TARGETS_UP	24	-0.175455	-0.499044	0.97955	0.992702	Increased Expression with Increasing Exponent
SEKI_INFLAMMATORY_RESPONSE_LPS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SEKI_INFLAMMATORY_RESPONSE_LPS_DN	38	-0.156386	-0.486157	0.990329	0.992797	Increased Expression with Increasing Exponent
REACTOME_PROCESSING_OF_CAPPED_INTRONLESS_PRE_MRNA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROCESSING_OF_CAPPED_INTRONLESS_F	52	-0.172991	-0.476966	0.969325	0.992804	Increased Expression with Increasing Exponent
EINAV_INTERFERON_SIGNATURE_IN_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/EINAV_INTERFERON_SIGNATURE_IN_CANCER	58	-0.197696	-0.488775	0.859155	0.99286	Increased Expression with Increasing Exponent
REACTOME_CALNEXIN_CALRETICULIN_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CALNEXIN_CALRETICULIN_CYCLE	64	-0.192714	-0.499733	0.925703	0.992862	Increased Expression with Increasing Exponent
REACTOME_DARPP_32_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DARPP_32_EVENTS	35	-0.153766	-0.509325	0.991453	0.992879	Increased Expression with Increasing Exponent
MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R	55	-0.155246	-0.50083	0.99031	0.992891	Increased Expression with Increasing Exponent
KEGG_ALLOGRAFT_REJECTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ALLOGRAFT_REJECTION	86	-0.200243	-0.503892	0.855446	0.99309	Increased Expression with Increasing Exponent
TAKAYAMA_BOUND_BY_AR	http://www.broadinstitute.org/gsea/msigdb/cards/TAKAYAMA_BOUND_BY_AR	35	-0.153771	-0.466939	0.980119	0.993133	Increased Expression with Increasing Exponent
BARRIER_COLON_CANCER_RECURRENCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BARRIER_COLON_CANCER_RECURRENCE_UP	134	-0.135309	-0.501224	1	0.993151	Increased Expression with Increasing Exponent
SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SARRIO_EPITHELIAL_MESENCHYMAL_TRANSITION_UP	403	-0.149994	-0.507154	0.93763	0.993199	Increased Expression with Increasing Exponent
ZHAN_V1_LATE_DIFFERENTIATION_GENES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_V1_LATE_DIFFERENTIATION_GENES_DN	27	-0.16703	-0.502282	0.99	0.993203	Increased Expression with Increasing Exponent
SHIPP_DLBCL_VS_FOLLICULAR_LYMPHOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SHIPP_DLBCL_VS_FOLLICULAR_LYMPHOMA_UP	94	-0.158857	-0.504123	0.950311	0.993394	Increased Expression with Increasing Exponent
ZUCCHI_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZUCCHI_METASTASIS_UP	101	-0.131515	-0.467276	0.994036	0.993434	Increased Expression with Increasing Exponent
REACTOME_YAP1_AND_WWTR1_TAZ_STIMULATED_GENE_EXPRESSION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_YAP1_AND_WWTR1_TAZ_STIMULATED_G	81	-0.140063	-0.504684	0.989837	0.993588	Increased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_7Q21_Q22_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_7Q21_Q22_AMPLICON	172	0.505282	174,462	0.0265306	0.995912	Decreased Expression with Increasing Exponent
ROETH_TERT_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ROETH_TERT_TARGETS_DN	24	-0.174076	-0.444371	0.976048	0.996006	Increased Expression with Increasing Exponent
HUMMERICH_BENIGN_SKIN_TUMOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUMMERICH_BENIGN_SKIN_TUMOR_DN	32	-0.151353	-0.438837	0.993827	0.996078	Increased Expression with Increasing Exponent
BOSCO_INTERFERON_INDUCED_ANTIVIRAL_MODULE	http://www.broadinstitute.org/gsea/msigdb/cards/BOSCO_INTERFERON_INDUCED_ANTIVIRAL_MODULE	177	-0.14012	-0.445286	0.96008	0.996229	Increased Expression with Increasing Exponent
BIOCARTA_AKAP13_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AKAP13_PATHWAY	35	-0.148983	-0.440304	0.991753	0.996235	Increased Expression with Increasing Exponent
LE_NEURONAL_DIFFERENTIATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LE_NEURONAL_DIFFERENTIATION_UP	43	-0.149596	-0.446044	0.991886	0.996467	Increased Expression with Increasing Exponent
MOSERLE_IFNA_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/MOSERLE_IFNA_RESPONSE	65	-0.195363	-0.413722	0.890438	0.997307	Increased Expression with Increasing Exponent
RANKIN_ANGIOGENIC_TARGETS_OF_VHL_HIF2A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RANKIN_ANGIOGENIC_TARGETS_OF_VHL_HIF2A_DN	25	-0.153068	-0.40939	0.979466	0.99738	Increased Expression with Increasing Exponent
NAKAMURA_BRONCHIAL_AND_BRONCHIOLAR_EPITHELIA	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_BRONCHIAL_AND_BRONCHIOLAR_EPITHI	17	-0.174081	-0.419825	0.988395	0.997382	Increased Expression with Increasing Exponent
LIU_IL13_MEMORY_MODEL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_IL13_MEMORY_MODEL_UP	42	-0.133618	-0.400153	1	0.997475	Increased Expression with Increasing Exponent
KONG_E2F3_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KONG_E2F3_TARGETS	191	-0.143028	-0.402727	0.949799	0.997613	Increased Expression with Increasing Exponent
REACTOME_PROCESSING_OF_INTRONLESS_PRE_MRNAS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROCESSING_OF_INTRONLESS_PRE_MR	36	-0.154795	-0.414113	0.987755	0.997626	Increased Expression with Increasing Exponent
REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND_CALNEXIN_CALRETI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_N_GLYCAN_TRIMMING_IN_THE_ER_AND	37	-0.145405	-0.37685	0.989899	0.997673	Increased Expression with Increasing Exponent
KEGG_SNARE_INTERACTIONS_IN_VESICULAR_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_SNARE_INTERACTIONS_IN_VESICULAR_TRANSP	102	-0.181828	-0.419968	0.997942	0.997733	Increased Expression with Increasing Exponent
STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STEIN_ESRRA_TARGETS_RESPONSIVE_TO_ESTROGEN	100	-0.136191	-0.384893	0.985597	0.997891	Increased Expression with Increasing Exponent
CASORELLI_APL_SECONDARY_VS_DE_NOVO_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CASORELLI_APL_SECONDARY_VS_DE_NOVO_DN	28	-0.152712	-0.37706	0.986166	0.998022	Increased Expression with Increasing Exponent
BOWIE_RESPONSE_TO_EXTRACELLULAR_MATRIX	http://www.broadinstitute.org/gsea/msigdb/cards/BOWIE_RESPONSE_TO_EXTRACELLULAR_MATRIX	31	-0.204121	-0.420381	0.923379	0.998052	Increased Expression with Increasing Exponent
BALLIF_DEVELOPMENTAL_DISABILITY_P16_P12_DELETION	http://www.broadinstitute.org/gsea/msigdb/cards/BALLIF_DEVELOPMENTAL_DISABILITY_P16_P12_DELE	25	-0.146765	-0.385797	0.992233	0.998202	Increased Expression with Increasing Exponent
RADAEVA_RESPONSE_TO_IFNA1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RADAEVA_RESPONSE_TO_IFNA1_UP	105	0.139597	0.403393	0.969171	0.999291	Decreased Expression with Increasing Exponent
WUNDER_INFLAMMATORY_RESPONSE_AND_CHOLESTEROL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WUNDER_INFLAMMATORY_RESPONSE_AND_CHOLES	43	0.139195	0.392343	0.991853	0.999397	Decreased Expression with Increasing Exponent
LI_WILMS_TUMOR_ANAPLASTIC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LI_WILMS_TUMOR_ANAPLASTIC_UP	44	-0.141335	-0.314758	0.979839	0.999407	Increased Expression with Increasing Exponent
SANA_RESPONSE_TO_IFNG_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SANA_RESPONSE_TO_IFNG_UP	172	0.122279	0.33531	0.991903	0.999756	Decreased Expression with Increasing Exponent
UROSEVIC_RESPONSE_TO_IMIQUIMOD	http://www.broadinstitute.org/gsea/msigdb/cards/UROSEVIC_RESPONSE_TO_IMIQUIMOD	41	0.127576	0.282467	0.985887	0.999768	Decreased Expression with Increasing Exponent
LEE_METASTASIS_AND_RNA_PROCESSING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_METASTASIS_AND_RNA_PROCESSING_UP	37	0.139815	0.405603	0.997959	0.99988	Decreased Expression with Increasing Exponent
KEGG_GLYCOLYSIS_GLUconeogenesis	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOLYSIS_GLUconeogenesis	124	0.298749	104,166	0.384766	1	Decreased Expression with Increasing Exponent
KEGG_PENTOSE_PHOSPHATE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PENTOSE_PHOSPHATE_PATHWAY	58	0.164729	0.521454	0.981818	1	Decreased Expression with Increasing Exponent
KEGG_PENTOSE_AND_GLUCURONATE_INTERCONVERSIONS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PENTOSE_AND_GLUCURONATE_INTERCONVER	34	0.303762	0.924071	0.562753	1	Decreased Expression with Increasing Exponent
KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_FRUCTOSE_AND_MANNOSE_METABOLISM	74	0.230177	0.81232	0.702913	1	Decreased Expression with Increasing Exponent
KEGG_GALACTOSE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GALACTOSE_METABOLISM	48	0.282798	0.946176	0.518595	1	Decreased Expression with Increasing Exponent
KEGG_ASCORBATE_AND_ALDARATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ASCORBATE_AND_ALDARATE_METABOLISM	28	0.426392	123,259	0.225989	1	Decreased Expression with Increasing Exponent
KEGG_FATTY_ACID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_FATTY_ACID_METABOLISM	90	0.461025	15,532	0.0478088	1	Decreased Expression with Increasing Exponent
KEGG_STEROID_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_STEROID_BIOSYNTHESIS	33	0.394358	10,321	0.449219	1	Decreased Expression with Increasing Exponent
KEGG_STEROID_HORMONE_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_STEROID_HORMONE_BIOSYNTHESIS	101	0.272465	0.920014	0.538144	1	Decreased Expression with Increasing Exponent
KEGG_PYRIMIDINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PYRIMIDINE_METABOLISM	198	0.257841	0.986862	0.473684	1	Decreased Expression with Increasing Exponent
KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ALANINE_ASPARTATE_AND_GLUTAMATE_MET	73	0.238946	0.982874	0.618	1	Decreased Expression with Increasing Exponent
KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCINE_SERINE_AND_THREONINE_METABOLI	77	0.440378	152,796	0.061753	1	Decreased Expression with Increasing Exponent
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADA	93	0.525801	164,408	0.0356436	1	Decreased Expression with Increasing Exponent
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_BIOSYNTH	23	0.53756	143,623	0.114851	1	Decreased Expression with Increasing Exponent
KEGG_LYSINE_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_LYSINE_DEGRADATION	105	0.345992	130,673	0.137725	1	Decreased Expression with Increasing Exponent
KEGG_ARGININE_AND_PROLINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ARGININE_AND_PROLINE_METABOLISM	109	0.362953	129,085	0.150515	1	Decreased Expression with Increasing Exponent
KEGG_HISTIDINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_HISTIDINE_METABOLISM	66	0.363245	127,535	0.186139	1	Decreased Expression with Increasing Exponent
KEGG_TRYPTOPHAN_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TRYPTOPHAN_METABOLISM	79	0.31557	111,925	0.300199	1	Decreased Expression with Increasing Exponent
KEGG_BETA_ALANINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_BETA_ALANINE_METABOLISM	44	0.39119	130,357	0.159533	1	Decreased Expression with Increasing Exponent
KEGG_TAURINE_AND_HYPOTAURINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TAURINE_AND_HYPOTAURINE_METABOLISM	28	0.334569	0.996668	0.463074	1	Decreased Expression with Increasing Exponent
KEGG_SELENOAMINO_ACID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_SELENOAMINO_ACID_METABOLISM	61	0.36867	133,354	0.123732	1	Decreased Expression with Increasing Exponent
KEGG_GLUTATHIONE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLUTATHIONE_METABOLISM	88	0.329434	11,449	0.280488	1	Decreased Expression with Increasing Exponent
KEGG_STARCH_AND_SUCROSE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_STARCH_AND_SUCROSE_METABOLISM	67	0.21688	0.743842	0.814346	1	Decreased Expression with Increasing Exponent
KEGG_OTHER_GLYCAN_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_OTHER_GLYCAN_DEGRADATION	28	0.320323	0.88421	0.579592	1	Decreased Expression with Increasing Exponent
KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_AMINO_SUGAR_AND_NUCLEOTIDE_SUGAR_MI	78	0.221168	0.737485	0.77732	1	Decreased Expression with Increasing Exponent
KEGG_GLYCOSAMINOGLYCAN_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOSAMINOGLYCAN_DEGRADATION	53	0.237575	0.696058	0.770961	1	Decreased Expression with Increasing Exponent
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHONDROITIN_SULFATE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_CHOND	43	0.413034	142,077	0.0727273	1	Decreased Expression with Increasing Exponent
KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPARAN_SULFATE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOSAMINOGLYCAN_BIOSYNTHESIS_HEPAR	56	0.205174	0.744999	0.808594	1	Decreased Expression with Increasing Exponent
KEGG_GLYCEROLIPID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCEROLIPID_METABOLISM	95	0.413259	149,254	0.0547945	1	Decreased Expression with Increasing Exponent
KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL_GPI_ANCHOR_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOSYLPHOSPHATIDYLINOSITOL_GPI_ANCH	60	0.397539	129,859	0.171315	1	Decreased Expression with Increasing Exponent
KEGG_GLYCEROPHOSPHOLIPID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCEROPHOSPHOLIPID_METABOLISM	167	0.256073	106,895	0.350701	1	Decreased Expression with Increasing Exponent
KEGG_ETHER_LIPID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ETHER_LIPID_METABOLISM	68	0.184131	0.635673	0.916836	1	Decreased Expression with Increasing Exponent
KEGG_ARACHIDONIC_ACID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ARACHIDONIC_ACID_METABOLISM	108	0.197791	0.685148	0.863821	1	Decreased Expression with Increasing Exponent
KEGG_LINOLEIC_ACID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_LINOLEIC_ACID_METABOLISM	58	0.290402	0.918983	0.56513	1	Decreased Expression with Increasing Exponent
KEGG_ALPHA_LINOLENIC_ACID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ALPHA_LINOLENIC_ACID_METABOLISM	32	0.201441	0.61265	0.920949	1	Decreased Expression with Increasing Exponent
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AND_NEOLACTO_SERII	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_LACTO_AI	67	0.163902	0.595875	0.970817	1	Decreased Expression with Increasing Exponent
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GLOBO_SERIES	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GLOBO_S	33	0.318932	101,243	0.453252	1	Decreased Expression with Increasing Exponent
KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GANGLIO_SERIES	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_GLYCOSPHINGOLIPID_BIOSYNTHESIS_GANGLIO	37	0.247607	0.802358	0.764948	1	Decreased Expression with Increasing Exponent
KEGG_ONE CARBON_POOL_BY_FOLATE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ONE CARBON_POOL_BY_FOLATE	57	0.272027	0.997655	0.44382	1	Decreased Expression with Increasing Exponent
KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NICOTINATE_AND_NICOTINAMIDE_METABOLIS	56	0.243345	0.845472	0.658824	1	Decreased Expression with Increasing Exponent

KEGG_FOLATE_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_FOLATE_BIOSYNTHESIS	19	0.5955	165,564	0.0166667	1	Decreased Expression with Increasing Exponent
KEGG_RETINOL_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_RETINOL_METABOLISM	109	0.218223	0.778596	0.762397	1	Decreased Expression with Increasing Exponent
KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PORPHYRIN_AND_CHLOROPHYLL_METABOLISM	69	0.282551	100,622	0.418468	1	Decreased Expression with Increasing Exponent
KEGG_TERPENOID_BACKBONE_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TERPENOID_BACKBONE_BIOSYNTHESIS	30	0.321994	0.830014	0.650602	1	Decreased Expression with Increasing Exponent
KEGG_LIMONENE_AND_PINENE_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_LIMONENE_AND_PINENE_DEGRADATION	18	0.553795	134,265	0.184261	1	Decreased Expression with Increasing Exponent
KEGG_SULFUR_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_SULFUR_METABOLISM	28	0.246252	0.679907	0.788584	1	Decreased Expression with Increasing Exponent
KEGG_METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P450	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_METABOLISM_OF_XENOBIOTICS_BY_CYTOCHROME_P450	126	0.180925	0.633506	0.917548	1	Decreased Expression with Increasing Exponent
KEGG_DRUG_METABOLISM_CYTOCHROME_P450	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_DRUG_METABOLISM_CYTOCHROME_P450	132	0.186699	0.668656	0.904762	1	Decreased Expression with Increasing Exponent
KEGG_DRUG_METABOLISM_OTHER_ENZYMES	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_DRUG_METABOLISM_OTHER_ENZYMES	90	0.318031	116,655	0.25	1	Decreased Expression with Increasing Exponent
KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS	53	0.321744	101,066	0.43738	1	Decreased Expression with Increasing Exponent
KEGG_ABC_TRANSPORTERS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ABC_TRANSPORTERS	100	0.281038	107,319	0.370445	1	Decreased Expression with Increasing Exponent
KEGG_RNA_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_RNA_DEGRADATION	156	0.205385	0.676138	0.800797	1	Decreased Expression with Increasing Exponent
KEGG_RNA_POLYMERASE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_RNA_POLYMERASE	68	0.208505	0.707033	0.838323	1	Decreased Expression with Increasing Exponent
KEGG_BASAL_TRANSCRIPTION_FACTORS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_BASAL_TRANSCRIPTION_FACTORS	69	0.222555	0.764594	0.764463	1	Decreased Expression with Increasing Exponent
KEGG_DNA_REPLICATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_DNA_REPLICATION	69	0.398425	11,027	0.353053	1	Decreased Expression with Increasing Exponent
KEGG_PROTEASOME	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PROTEASOME	80	0.393586	115,999	0.346821	1	Decreased Expression with Increasing Exponent
KEGG_PROTEIN_EXPORT	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PROTEIN_EXPORT	53	0.207071	0.640354	0.874755	1	Decreased Expression with Increasing Exponent
KEGG_PPAR_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PPAR_SIGNALING_PATHWAY	153	0.238632	0.90253	0.606238	1	Decreased Expression with Increasing Exponent
KEGG_BASE_EXCISION_REPAIR	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_BASE_EXCISION_REPAIR	59	0.202331	0.643836	0.870588	1	Decreased Expression with Increasing Exponent
KEGG_NUCLEOTIDE_EXCISION_REPAIR	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NUCLEOTIDE_EXCISION_REPAIR	82	0.249524	0.813305	0.667335	1	Decreased Expression with Increasing Exponent
KEGG_MISMATCH_REPAIR	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_MISMATCH_REPAIR	41	0.459241	116,707	0.338028	1	Decreased Expression with Increasing Exponent
KEGG_HOMOLOGOUS_RECOMBINATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_HOMOLOGOUS_RECOMBINATION	57	0.45463	140,601	0.14786	1	Decreased Expression with Increasing Exponent
KEGG_NON_HOMOLOGOUS_END_JOINING	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NON_HOMOLOGOUS_END_JOINING	33	0.280044	0.826749	0.669456	1	Decreased Expression with Increasing Exponent
KEGG_CALCIIUM_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CALCIIUM_SIGNALING_PATHWAY	478	0.177312	0.711102	0.869739	1	Decreased Expression with Increasing Exponent
KEGG_OOCYTE_MEIOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_OOCYTE_MEIOSIS	280	0.212701	0.932603	0.570874	1	Decreased Expression with Increasing Exponent
KEGG_REGULATION_OF_AUTOPHAGY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_REGULATION_OF_AUTOPHAGY	67	0.232552	0.872374	0.671233	1	Decreased Expression with Increasing Exponent
KEGG_PEROXISOME	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PEROXISOME	164	0.34436	12,332	0.23092	1	Decreased Expression with Increasing Exponent
KEGG_CARDIAC_MUSCLE_CONTRACTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_CARDIAC_MUSCLE_CONTRACTION	160	0.377318	142,084	0.0856574	1	Decreased Expression with Increasing Exponent
KEGG_NOTCH_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_NOTCH_SIGNALING_PATHWAY	116	0.262124	102,861	0.399614	1	Decreased Expression with Increasing Exponent
KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY	152	0.183349	0.724523	0.859184	1	Decreased Expression with Increasing Exponent
KEGG_LONG_TERM_POTENTIATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_LONG_TERM_POTENTIATION	194	0.197641	0.756375	0.783838	1	Decreased Expression with Increasing Exponent
KEGG_OLFACTORY_TRANSDUCTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_OLFACTORY_TRANSDUCTION	193	0.172491	0.605339	0.932673	1	Decreased Expression with Increasing Exponent
KEGG_TASTE_TRANSDUCTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_TASTE_TRANSDUCTION	86	0.253113	0.885741	0.6	1	Decreased Expression with Increasing Exponent
KEGG_INSULIN_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_INSULIN_SIGNALING_PATHWAY	374	0.176427	0.835477	0.779297	1	Decreased Expression with Increasing Exponent
KEGG_MATURITY_ONSET_DIABETES_OF_THE_YOUNG	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_MATURITY_ONSET_DIABETES_OF_THE_YOUNG	46	0.371259	119,285	0.26626	1	Decreased Expression with Increasing Exponent
KEGG_VASOPRESSIN_REGULATED_WATER_REABSORPTION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_VASOPRESSIN_REGULATED_WATER_REABSORPTION	128	0.185644	0.694121	0.889535	1	Decreased Expression with Increasing Exponent
KEGG_PROXIMAL_TUBULE_BICARBONATE_RECLAMATION	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_PROXIMAL_TUBULE_BICARBONATE_RECLAMATION	50	0.305626	102,026	0.416495	1	Decreased Expression with Increasing Exponent
KEGG_ALZHEIMERS_DISEASE	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_ALZHEIMERS_DISEASE	376	0.402785	160,666	0.0198413	1	Decreased Expression with Increasing Exponent
KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_AMYOTROPHIC_LATERAL_SCLEROSIS_ALS	134	0.17696	0.719836	0.920233	1	Decreased Expression with Increasing Exponent
KEGG_THYROID_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_THYROID_CANCER	83	0.285857	107,944	0.35625	1	Decreased Expression with Increasing Exponent
KEGG_BASAL_CELL_CARCI_NOMA	http://www.broadinstitute.org/gsea/msigdb/cards/KEGG_BASAL_CELL_CARCI_NOMA	125	0.217395	0.912123	0.615542	1	Decreased Expression with Increasing Exponent
BIOCARTA_NO1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NO1_PATHWAY	78	0.214553	0.757198	0.774131	1	Decreased Expression with Increasing Exponent
BIOCARTA_SRCRPTP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SRCRPTP_PATHWAY	38	0.309985	0.97371	0.494094	1	Decreased Expression with Increasing Exponent
BIOCARTA_AMI_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AMI_PATHWAY	46	0.239114	0.734923	0.791583	1	Decreased Expression with Increasing Exponent
BIOCARTA_AKAP95_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AKAP95_PATHWAY	26	0.255214	0.677498	0.817248	1	Decreased Expression with Increasing Exponent
BIOCARTA_ALK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ALK_PATHWAY	99	0.220304	0.834773	0.676647	1	Decreased Expression with Increasing Exponent
BIOCARTA_ACE2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ACE2_PATHWAY	31	0.369146	105,483	0.409369	1	Decreased Expression with Increasing Exponent
BIOCARTA_CHEMICAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CHEMICAL_PATHWAY	68	0.288978	107,147	0.337812	1	Decreased Expression with Increasing Exponent
BIOCARTA_AGPCR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AGPCR_PATHWAY	54	0.19783	0.626942	0.897959	1	Decreased Expression with Increasing Exponent
BIOCARTA_CACAM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CACAM_PATHWAY	47	0.314909	0.911135	0.567677	1	Decreased Expression with Increasing Exponent
BIOCARTA_CARM_ER_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CARM_ER_PATHWAY	85	0.254705	103,994	0.38755	1	Decreased Expression with Increasing Exponent
BIOCARTA_MCM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MCM_PATHWAY	36	0.267666	0.654064	0.744186	1	Decreased Expression with Increasing Exponent
BIOCARTA_VDR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_VDR_PATHWAY	36	0.204137	0.54847	0.910204	1	Decreased Expression with Increasing Exponent
BIOCARTA_CELLCYCLE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CELLCYCLE_PATHWAY	55	0.237502	0.676803	0.764706	1	Decreased Expression with Increasing Exponent
BIOCARTA_DC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_DC_PATHWAY	37	0.233626	0.637195	0.871032	1	Decreased Expression with Increasing Exponent
BIOCARTA_P35ALZHEIMERS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_P35ALZHEIMERS_PATHWAY	40	0.168446	0.496514	0.982318	1	Decreased Expression with Increasing Exponent
BIOCARTA_RNA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RNA_PATHWAY	21	0.242567	0.622195	0.849421	1	Decreased Expression with Increasing Exponent
BIOCARTA_MTA3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_MTA3_PATHWAY	42	0.322562	0.926582	0.536	1	Decreased Expression with Increasing Exponent
BIOCARTA_SKP2EZF_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SKP2EZF_PATHWAY	24	0.26649	0.747942	0.763672	1	Decreased Expression with Increasing Exponent
BIOCARTA_EXTRINSIC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EXTRINSIC_PATHWAY	25	0.190911	0.544551	0.957916	1	Decreased Expression with Increasing Exponent
BIOCARTA_FREE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_FREE_PATHWAY	16	0.457585	122,148	0.243615	1	Decreased Expression with Increasing Exponent
BIOCARTA_GABA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_GABA_PATHWAY	24	0.272853	0.762988	0.717017	1	Decreased Expression with Increasing Exponent
BIOCARTA_GATA3_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_GATA3_PATHWAY	44	0.267041	0.791792	0.743487	1	Decreased Expression with Increasing Exponent
BIOCARTA_INTRINSIC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_INTRINSIC_PATHWAY	49	0.319445	101,676	0.455487	1	Decreased Expression with Increasing Exponent
BIOCARTA_LECTIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_LECTIN_PATHWAY	21	0.256679	0.695419	0.81	1	Decreased Expression with Increasing Exponent
BIOCARTA_EGFR_SMRTE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_EGFR_SMRTE_PATHWAY	40	0.265832	0.832076	0.642424	1	Decreased Expression with Increasing Exponent
BIOCARTA_NOS1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NOS1_PATHWAY	71	0.313924	105,754	0.407115	1	Decreased Expression with Increasing Exponent
BIOCARTA_NO2IL12_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NO2IL12_PATHWAY	23	0.20337	0.520705	0.94929	1	Decreased Expression with Increasing Exponent
BIOCARTA_RARRXR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RARRXR_PATHWAY	40	0.289324	0.912195	0.545073	1	Decreased Expression with Increasing Exponent
BIOCARTA_NUCLEARRS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_NUCLEARRS_PATHWAY	43	0.244466	0.762865	0.78373	1	Decreased Expression with Increasing Exponent
BIOCARTA_PLATELETAPP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PLATELETAPP_PATHWAY	38	0.227973	0.705856	0.824017	1	Decreased Expression with Increasing Exponent
BIOCARTA_PS1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PS1_PATHWAY	43	0.239299	0.832571	0.713684	1	Decreased Expression with Increasing Exponent
BIOCARTA_PROTEASOME_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PROTEASOME_PATHWAY	62	0.352709	106,107	0.395038	1	Decreased Expression with Increasing Exponent
BIOCARTA_AKAPCENTROSOME_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_AKAPCENTROSOME_PATHWAY	34	0.283872	0.918181	0.557143	1	Decreased Expression with Increasing Exponent
BIOCARTA_RAB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RAB_PATHWAY	39	0.433166	13,119	0.168986	1	Decreased Expression with Increasing Exponent
BIOCARTA_RB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RB_PATHWAY	38	0.241368	0.7191	0.777778	1	Decreased Expression with Increasing Exponent
BIOCARTA_CHREBP2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CHREBP2_PATHWAY	120	0.296741	111,944	0.30426	1	Decreased Expression with Increasing Exponent
BIOCARTA_CK1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CK1_PATHWAY	41	0.453032	147,752	0.0735587	1	Decreased Expression with Increasing Exponent
BIOCARTA_PGC1A_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PGC1A_PATHWAY	73	0.275349	0.89094	0.598425	1	Decreased Expression with Increasing Exponent
BIOCARTA_PML_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PML_PATHWAY	50	0.250708	0.801473	0.661795	1	Decreased Expression with Increasing Exponent
BIOCARTA_LEPTIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_LEPTIN_PATHWAY	36	0.412005	120,348	0.268687	1	Decreased Expression with Increasing Exponent
BIOCARTA_ATRBRCA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ATRBRCA_PATHWAY	60	0.390638	117,551	0.300199	1	Decreased Expression with Increasing Exponent
BIOCARTA_RANMS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_RANMS_PATHWAY	28	0.218075	0.53006	0.904398	1	Decreased Expression with Increasing Exponent
BIOCARTA_SHH_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SHH_PATHWAY	46	0.299514	109,746	0.308617	1	Decreased Expression with Increasing Exponent
BIOCARTA_PTC1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_PTC1_PATHWAY	24	0.491158	118,649	0.319588	1	Decreased Expression with Increasing Exponent
BIOCARTA_STATHMIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_STATHMIN_PATHWAY	48	0.445632	142,946	0.0916335	1	Decreased Expression with Increasing Exponent
BIOCARTA_TEL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_TEL_PATHWAY	59	0.35978	121,049	0.237548	1	Decreased Expression with Increasing Exponent
BIOCARTA_SARS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_SARS_PATHWAY	21	0.229488	0.701244	0.87674	1	Decreased Expression with Increasing Exponent
BIOCARTA_CARM1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_CARM1_PATHWAY	43	0.21685	0.669446	0.860465	1	Decreased Expression with Increasing Exponent
BIOCARTA_ACTINY_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/BIOCARTA_ACTINY_PATHWAY	59	0.224254	0.672166	0.823643	1	Decreased Expression with Increasing Exponent
ST_WNT_CA2_CYCLIC_GMP_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/ST_WNT_CA2_CYCLIC_GMP_PATHWAY	56	0.238425	0.770058	0.733075	1	Decreased Expression with Increasing Exponent
SA_FAS_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/SA_FAS_SIGNALING	35	0.184911	0.499065	0.922929	1	Decreased Expression with Increasing Exponent
SA_G2_AND_M_PHASES	http://www.broadinstitute.org/gsea/msigdb/cards/SA_G2_AND_M_PHASES	21	0.19429	0.481193	0.951456	1	Decreased Expression with Increasing Exponent
PID_FANCONI_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_FANCONI_PATHWAY	119	0.336755	107,658	0.371917	1	Decreased Expression with Increasing Exponent
PID_HDAC_CLASSII_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HDAC_CLASSII_PATHWAY	108	0.261034	109,236	0.311765	1	Decreased Expression with Increasing Exponent
PID_DNA_PK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_DNA_PK_PATHWAY	40	0.227131	0.703851	0.834728	1	Decreased Expression with Increasing Exponent
PID_ATR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ATR_PATHWAY	105	0.230827	0.699009	0.766208	1	Decreased Expression with Increasing Exponent
PID_NECTIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_NECTIN_PATHWAY	106	0.183261	0.723394	0.87751	1	Decreased Expression with Increasing Exponent

PID_TRAIL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TRAIL_PATHWAY	89	0.198803	0.720154	0.796813	1	Decreased Expression with Increasing Exponent
PID_CDC42_REG_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CDC42_REG_PATHWAY	98	0.188196	0.749534	0.854582	1	Decreased Expression with Increasing Exponent
PID_ARF6_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ARF6_PATHWAY	111	0.145011	0.528597	0.991803	1	Decreased Expression with Increasing Exponent
PID_LKB1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_LKB1_PATHWAY	131	0.228187	0.916616	0.591919	1	Decreased Expression with Increasing Exponent
PID_WNT_CANONICAL_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_WNT_CANONICAL_PATHWAY	49	0.235768	0.807311	0.717842	1	Decreased Expression with Increasing Exponent
PID_TELOMERASE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_TELOMERASE_PATHWAY	201	0.196774	0.801731	0.773622	1	Decreased Expression with Increasing Exponent
PID_HNF3B_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HNF3B_PATHWAY	114	0.302062	11,466	0.256566	1	Decreased Expression with Increasing Exponent
PID_MTOR_4PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_MTOR_4PATHWAY	202	0.204664	0.869472	0.684739	1	Decreased Expression with Increasing Exponent
PID_ADISS_2PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ADISS_2PATHWAY	139	0.244149	101,521	0.420945	1	Decreased Expression with Increasing Exponent
PID_P75_NTR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P75_NTR_PATHWAY	160	0.23977	103,396	0.387841	1	Decreased Expression with Increasing Exponent
PID_ECADHERIN_NASCENT_AJ_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ECADHERIN_NASCENT_AJ_PATHWAY	123	0.174176	0.691965	0.903353	1	Decreased Expression with Increasing Exponent
PID_INTEGRIN4_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INTEGRIN4_PATHWAY	28	0.434567	119,019	0.290581	1	Decreased Expression with Increasing Exponent
PID_LIS1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_LIS1_PATHWAY	74	0.214621	0.789182	0.756238	1	Decreased Expression with Increasing Exponent
PID_HIF1A_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_HIF1A_PATHWAY	50	0.349415	117,085	0.257606	1	Decreased Expression with Increasing Exponent
PID_ECADHERIN_KERATINOCYTE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ECADHERIN_KERATINOCYTE_PATHWAY	72	0.160521	0.558003	0.971487	1	Decreased Expression with Increasing Exponent
PID_CMYB_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_CMYB_PATHWAY	213	0.186342	0.809379	0.787449	1	Decreased Expression with Increasing Exponent
PID_ERBB_NETWORK_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ERBB_NETWORK_PATHWAY	51	0.116535	0.410385	0.997976	1	Decreased Expression with Increasing Exponent
PID_ALK2_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_ALK2_PATHWAY	33	0.261734	0.76	0.730849	1	Decreased Expression with Increasing Exponent
PID_RHODOPSIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RHODOPSIN_PATHWAY	44	0.231954	0.78685	0.762475	1	Decreased Expression with Increasing Exponent
PID_RETINOIC_ACID_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RETINOIC_ACID_PATHWAY	89	0.211904	0.80089	0.795652	1	Decreased Expression with Increasing Exponent
PID_P38_GAMMA_DELTA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P38_GAMMA_DELTA_PATHWAY	32	0.313601	0.987905	0.496183	1	Decreased Expression with Increasing Exponent
PID_P38_ALPHA_BETA_DOWNSTREAM_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_P38_ALPHA_BETA_DOWNSTREAM_PATHWAY	107	0.211471	0.793938	0.746362	1	Decreased Expression with Increasing Exponent
PID_A6B1_A6B4_INTEGRIN_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_A6B1_A6B4_INTEGRIN_PATHWAY	132	0.265386	100,128	0.464789	1	Decreased Expression with Increasing Exponent
PID_INSULIN_GLUCOSE_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INSULIN_GLUCOSE_PATHWAY	71	0.225895	0.781964	0.741379	1	Decreased Expression with Increasing Exponent
PID_RAS_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_RAS_PATHWAY	97	0.172268	0.628992	0.949799	1	Decreased Expression with Increasing Exponent
PID_INTEGRIN_A4B1_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/PID_INTEGRIN_A4B1_PATHWAY	98	0.235319	0.781958	0.715431	1	Decreased Expression with Increasing Exponent
REACTOME_GLYCOGEN_BREAKDOWN_GLYCOGENOLYSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLYCOGEN_BREAKDOWN_GLYCOGENOLYSIS	39	0.426078	121,023	0.277992	1	Decreased Expression with Increasing Exponent
REACTOME_PYRIMIDINE_CATABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PYRIMIDINE_CATABOLISM	22	0.297523	0.820923	0.667373	1	Decreased Expression with Increasing Exponent
REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQ	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INHIBITION_OF_THE_PROTEOLYTIC_ACTIVITY_OF_APC_C_REQ	44	0.442954	125,613	0.245902	1	Decreased Expression with Increasing Exponent
REACTOME_EXTRINSIC_PATHWAY_FOR_APOPTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_EXTRINSIC_PATHWAY_FOR_APOPTOSIS	41	0.351229	0.822977	0.678937	1	Decreased Expression with Increasing Exponent
REACTOME_PTM_GAMMA_CARBOXYLATION_HYPUSINE_FORMATION_ANI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PTM_GAMMA_CARBOXYLATION_HYPUSINE_FORMATION_ANI	7	0.158781	0.505544	0.98004	1	Decreased Expression with Increasing Exponent
REACTOME_APOPTOTIC_CLEAVAGE_OF_CELLULAR_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APOPTOTIC_CLEAVAGE_OF_CELLULAR_PROTEINS	98	0.195907	0.801845	0.765873	1	Decreased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_THE_PRE_REPLICATIVE_COMPLEX	57	0.310269	0.780979	0.647619	1	Decreased Expression with Increasing Exponent
REACTOME_GAP_JUNCTION_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GAP_JUNCTION_DEGRADATION	30	0.203211	0.568822	0.909274	1	Decreased Expression with Increasing Exponent
REACTOME_BASE_EXCISION_REPAIR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_BASE_EXCISION_REPAIR	35	0.186332	0.5433	0.962302	1	Decreased Expression with Increasing Exponent
REACTOME_BILE_ACID_AND_BILE_SALT_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_BILE_ACID_AND_BILE_SALT_METABOLISM	51	0.230304	0.712741	0.82996	1	Decreased Expression with Increasing Exponent
REACTOME_RECYCLING_OF_BILE_ACIDS_AND_SALTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RECYCLING_OF_BILE_ACIDS_AND_SALTS	24	0.367663	100,036	0.477366	1	Decreased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_WNT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_WNT	144	0.280486	101,816	0.420152	1	Decreased Expression with Increasing Exponent
REACTOME_METABOLISM_OF_NON_CODING_RNA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_METABOLISM_OF_NON_CODING_RNA	110	0.169312	0.526566	0.949416	1	Decreased Expression with Increasing Exponent
REACTOME_METABOLISM_OF_STEROID_HORMONES_AND_VITAMINS_A_/_	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_METABOLISM_OF_STEROID_HORMONES_AND_VITAMINS_A_/_	58	0.396959	137,621	0.0923695	1	Decreased Expression with Increasing Exponent
REACTOME_ANDROGEN_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ANDROGEN_BIOSYNTHESIS	19	0.257816	0.672799	0.815789	1	Decreased Expression with Increasing Exponent
REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS	85	0.321135	0.983571	0.481973	1	Decreased Expression with Increasing Exponent
REACTOME_DAG_AND_IP3_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DAG_AND_IP3_SIGNALING	91	0.212649	0.739194	0.819048	1	Decreased Expression with Increasing Exponent
REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION	154	0.229105	0.736619	0.732448	1	Decreased Expression with Increasing Exponent
REACTOME_ABCA_TRANSPORTERS_IN_LIPID_HOMEOSTASIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ABCA_TRANSPORTERS_IN_LIPID_HOMEOSTASIS	28	0.479148	132,332	0.183884	1	Decreased Expression with Increasing Exponent
REACTOME_ENDOSOMAL_VACUOLAR_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ENDOSOMAL_VACUOLAR_PATHWAY	27	0.508275	103,128	0.486762	1	Decreased Expression with Increasing Exponent
REACTOME_TETRAHYDROBIOPTERIN_BH4_SYNTHESIS_RECYCLING_SALVAGE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TETRAHYDROBIOPTERIN_BH4_SYNTHESIS_RECYCLING_SALVAGE	27	0.250119	0.672256	0.785448	1	Decreased Expression with Increasing Exponent
REACTOME_ER_PHAGOSOME_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ER_PHAGOSOME_PATHWAY	120	0.330153	101,397	0.456401	1	Decreased Expression with Increasing Exponent
REACTOME_G0_AND_EARLY_G1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G0_AND_EARLY_G1	55	0.218864	0.603836	0.840909	1	Decreased Expression with Increasing Exponent
REACTOME_ACTIVATED_AMPK_STIMULATES_FATTY_ACID_OXIDATION_IN_LIVER	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATED_AMPK_STIMULATES_FATTY_ACID_OXIDATION_IN_LIVER	51	0.332428	113,794	0.302041	1	Decreased Expression with Increasing Exponent
REACTOME_VITAMIN_B5_PANTOTHENATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_VITAMIN_B5_PANTOTHENATE_METABOLISM	24	0.36511	105,667	0.385375	1	Decreased Expression with Increasing Exponent
REACTOME_BOTULINUM_NEUROTOXICITY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_BOTULINUM_NEUROTOXICITY	42	0.298467	0.949225	0.5	1	Decreased Expression with Increasing Exponent
REACTOME_PROTEOLYTIC_CLEAVAGE_OF_SNARE_COMPLEX_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROTEOLYTIC_CLEAVAGE_OF_SNARE_COMPLEX_PROTEINS	39	0.272903	0.864217	0.61284	1	Decreased Expression with Increasing Exponent
REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE_NUCLEOTIDE_BINDING_DOMAIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RESOLUTION_OF_AP_SITES_VIA_THE_MULTIPLE_NUCLEOTIDE_BINDING_DOMAIN	28	0.262038	0.769204	0.736739	1	Decreased Expression with Increasing Exponent
REACTOME_ORC1_REMOVAL_FROM_CHROMATIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ORC1_REMOVAL_FROM_CHROMATIN	122	0.347471	106,895	0.403377	1	Decreased Expression with Increasing Exponent
REACTOME_SULFUR_AMINO_ACID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SULFUR_AMINO_ACID_METABOLISM	49	0.242366	0.855449	0.662	1	Decreased Expression with Increasing Exponent
REACTOME_PROLACTIN_RECEPTOR_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROLACTIN_RECEPTOR_SIGNALING	49	0.24231	0.874707	0.619048	1	Decreased Expression with Increasing Exponent
REACTOME_TERMINATION_OF_O_GLYCAN_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TERMINATION_OF_O_GLYCAN_BIOSYNTHESIS	53	0.292849	0.929723	0.55511	1	Decreased Expression with Increasing Exponent
REACTOME_DEFENSINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DEFENSINS	40	0.226707	0.643764	0.842942	1	Decreased Expression with Increasing Exponent
REACTOME_MEMBRANE_BINDING_AND_TARGETING_OF_GAG_PROTEIN_IN_VIRUS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MEMBRANE_BINDING_AND_TARGETING_OF_GAG_PROTEIN_IN_VIRUS	17	0.429231	107,235	0.412632	1	Decreased Expression with Increasing Exponent
REACTOME_BETA_DEFENSINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_BETA_DEFENSINS	28	0.352631	0.977821	0.522	1	Decreased Expression with Increasing Exponent
REACTOME_NUCLEAR_SIGNALING_BY_ERBB4	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NUCLEAR_SIGNALING_BY_ERBB4	125	0.258362	108,953	0.323755	1	Decreased Expression with Increasing Exponent
REACTOME_GLYCOPHINGOLIPID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLYCOPHINGOLIPID_METABOLISM	70	0.265082	0.875491	0.570565	1	Decreased Expression with Increasing Exponent
REACTOME_PPARA_ACTIVATES_GENE_EXPRESSION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PPARA_ACTIVATES_GENE_EXPRESSION	299	0.179679	0.780364	0.824351	1	Decreased Expression with Increasing Exponent
REACTOME_ASSOCIATION_OF_LICENSING_FACTORS_WITH_THE_PRE_REP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ASSOCIATION_OF_LICENSING_FACTORS_WITH_THE_PRE_REP	25	0.369466	0.934146	0.527237	1	Decreased Expression with Increasing Exponent
REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT	98	0.449721	143,521	0.14	1	Decreased Expression with Increasing Exponent
REACTOME_ACTIVATED_NOTCH1_TRANSMITS_SIGNAL_TO_THE_NUCLEUS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATED_NOTCH1_TRANSMITS_SIGNAL_TO_THE_NUCLEUS	69	0.140724	0.496481	0.99389	1	Decreased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_NOTCH4	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_NOTCH4	33	0.253971	0.738097	0.760155	1	Decreased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_NF_KAPPAB_IN_B_CELLS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_NF_KAPPAB_IN_B_CELLS	133	0.249643	0.897591	0.584314	1	Decreased Expression with Increasing Exponent
REACTOME_RORA_ACTIVATES_CIRCADIAN_EXPRESSION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RORA_ACTIVATES_CIRCADIAN_EXPRESSION	90	0.190789	0.64453	0.893004	1	Decreased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_NOTCH2	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_NOTCH2	36	0.220137	0.636516	0.877629	1	Decreased Expression with Increasing Exponent
REACTOME_PRE_NOTCH_PROCESSING_IN_GOLGI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PRE_NOTCH_PROCESSING_IN_GOLGI	56	0.348491	121,775	0.189922	1	Decreased Expression with Increasing Exponent
REACTOME_SIGNALING_BY_NOTCH3	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_BY_NOTCH3	33	0.19325	0.550994	0.94012	1	Decreased Expression with Increasing Exponent
REACTOME_TRIGLYCERIDE_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRIGLYCERIDE_BIOSYNTHESIS	89	0.318763	112,774	0.307847	1	Decreased Expression with Increasing Exponent
REACTOME_ARMS_MEDIATED_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ARMS_MEDIATED_ACTIVATION	50	0.231722	0.782198	0.739394	1	Decreased Expression with Increasing Exponent
REACTOME_PROLONGED_ERK_ACTIVATION_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PROLONGED_ERK_ACTIVATION_EVENTS	55	0.19321	0.645007	0.924686	1	Decreased Expression with Increasing Exponent
REACTOME_P38MAPK_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_P38MAPK_EVENTS	38	0.314499	101,409	0.430279	1	Decreased Expression with Increasing Exponent
REACTOME_HS_GAG_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HS_GAG_DEGRADATION	47	0.239158	0.739068	0.74902	1	Decreased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_PIPS_AT_THE_EARLY_ENDOSOME_MEMBRANE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_PIPS_AT_THE_EARLY_ENDOSOME_MEMBRANE	39	0.316717	0.986047	0.477318	1	Decreased Expression with Increasing Exponent
REACTOME_SIGNALING_TO_P38_VIA_RIT_AND_RIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SIGNALING_TO_P38_VIA_RIT_AND_RIN	41	0.245933	0.758036	0.741273	1	Decreased Expression with Increasing Exponent
REACTOME_P53_INDEPENDENT_G1_S_DNA_DAMAGE_CHECKPOINT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_P53_INDEPENDENT_G1_S_DNA_DAMAGE_CHECKPOINT	96	0.302364	0.947906	0.51378	1	Decreased Expression with Increasing Exponent
REACTOME_REGULATION_OF_HYPOXIA_INDUCIBLE_FACTOR_HIF_BY_OXYGEN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_HYPOXIA_INDUCIBLE_FACTOR_HIF_BY_OXYGEN	67	0.291002	0.96305	0.484536	1	Decreased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_PIPS_AT_THE_GOLGI_MEMBR							

REACTION_MIRNA_MIRNA_BIOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MIRNA_MIRNA_BIOGENESIS	44	0.212258	0.664542	0.869903	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_PYRUVATE_DEHYDROGENASE_PDH_COMPL	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_PYRUVATE_DEHYDROG	32	0.420567	117,457	0.297521	1	Decreased Expression with Increasing Exponent
REACTION_GLUTAMATE_NEUROTRANSMITTER_RELEASE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_GLUTAMATE_NEUROTRANSMITTER_RELE	40	0.186113	0.489236	0.924242	1	Decreased Expression with Increasing Exponent
REACTION_ERK_MAPK_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_ERK_MAPK_TARGETS	60	0.16996	0.557022	0.946322	1	Decreased Expression with Increasing Exponent
REACTION_METABOLISM_OF_AMINO_ACIDS_AND_DERIVATIVES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_METABOLISM_OF_AMINO_ACIDS_AND_C	388	0.306512	126,865	0.150794	1	Decreased Expression with Increasing Exponent
REACTION_FATTY_ACYL_COA_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_FATTY_ACYL_COA_BIOSYNTHESIS	43	0.312614	0.997339	0.477495	1	Decreased Expression with Increasing Exponent
REACTION_E2F_ENABLED_INHIBITION_OF_PRE_REPLICATION_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_E2F_ENABLED_INHIBITION_OF_PRE_REPL	22	0.583706	133,174	0.21165	1	Decreased Expression with Increasing Exponent
REACTION_BIOLOGICAL_OXIDATIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_BIOLOGICAL_OXIDATIONS	275	0.174327	0.668831	0.933747	1	Decreased Expression with Increasing Exponent
REACTION_REGULATED_PROTEOLYSIS_OF_P75NTR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATED_PROTEOLYSIS_OF_P75NTR	26	0.295052	0.786934	0.708163	1	Decreased Expression with Increasing Exponent
REACTION_CASPASE_MEDIATED_CLEAVAGE_OF_CYTOSKELETAL_PROTEIN	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CASPASE_MEDIATED_CLEAVAGE_OF_CYT	34	0.214413	0.643902	0.875486	1	Decreased Expression with Increasing Exponent
REACTION_XENOBIOTICS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_XENOBIOTICS	41	0.287207	0.841853	0.608519	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_ORNITHINE_DECARBOXYLASE_ODC	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_ORNITHINE_DECARBOX	90	0.339506	10,244	0.447876	1	Decreased Expression with Increasing Exponent
REACTION_CYTOCHROME_P450_ARRANGED_BY_SUBSTRATE_TYPE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CYTOCHROME_P450_ARRANGED_BY_SU	107	0.274846	0.962541	0.481557	1	Decreased Expression with Increasing Exponent
REACTION_BASE_FREE_SUGAR_PHOSPHATE_REMOVAL_VIA_THE_SINGLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_BASE_FREE_SUGAR_PHOSPHATE_REMOV	19	0.207435	0.63321	0.927165	1	Decreased Expression with Increasing Exponent
REACTION_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESION_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_APOPTOTIC_CLEAVAGE_OF_CELL_ADHESI	24	0.396613	109,537	0.366876	1	Decreased Expression with Increasing Exponent
REACTION_HDL_MEDIATED_LIPID_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_HDL_MEDIATED_LIPID_TRANSPORT	45	0.248931	0.759307	0.767967	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_APOPTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_APOPTOSIS	111	0.273138	0.928254	0.518519	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_BETA_CELL_DEVELOPMENT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_BETA_CELL_DEVELOPM	64	0.233945	0.860357	0.657895	1	Decreased Expression with Increasing Exponent
REACTION_PHASE1_FUNCTIONALIZATION_OF_COMPOUNDS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_PHASE1_FUNCTIONALIZATION_OF_COMP	152	0.219461	0.791966	0.754678	1	Decreased Expression with Increasing Exponent
REACTION_RNA_POL_III_TRANSCRIPTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_RNA_POL_III_TRANSCRIPTION	86	0.251661	0.872969	0.605372	1	Decreased Expression with Increasing Exponent
REACTION_NEUROTRANSMITTER_RELEASE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_NEUROTRANSMITTER_RELEASE_CYCLE	84	0.297517	0.88207	0.584582	1	Decreased Expression with Increasing Exponent
REACTION_ENDOGENOUS_STEROLS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_ENDOGENOUS_STEROLS	29	0.340526	0.942943	0.530992	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_GENE_EXPRESSION_IN_BETA_CELLS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_GENE_EXPRESSION_IN_	47	0.269353	0.868045	0.625	1	Decreased Expression with Increasing Exponent
REACTION_PROCESSIVE_SYNTHESIS_ON_THE_LAGGING_STRAND	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_PROCESSIVE_SYNTHESIS_ON_THE_LAGGI	25	0.350579	0.906151	0.555133	1	Decreased Expression with Increasing Exponent
REACTION_MRNA_CAPPING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MRNA_CAPPING	58	0.222127	0.694328	0.843564	1	Decreased Expression with Increasing Exponent
REACTION_MITOCHONDRIAL_FATTY_ACID_BETA_OXIDATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MITOCHONDRIAL_FATTY_ACID_BETA_OX	23	0.556802	149,117	0.0958904	1	Decreased Expression with Increasing Exponent
REACTION_INTEGRATION_OF_ENERGY_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_INTEGRATION_OF_ENERGY_METABOLIS	293	0.165324	0.716278	0.932563	1	Decreased Expression with Increasing Exponent
REACTION_GLUONEOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_GLUONEOGENESIS	67	0.377874	116,042	0.310484	1	Decreased Expression with Increasing Exponent
REACTION_DOPAMINE_NEUROTRANSMITTER_RELEASE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_DOPAMINE_NEUROTRANSMITTER_RELEA	24	0.503724	114,675	0.377871	1	Decreased Expression with Increasing Exponent
REACTION_RECRUITMENT_OF_MITOTIC_CENTROSOME_PROTEINS_AND	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_RECRUITMENT_OF_MITOTIC_CENTROSOM	162	0.25304	0.882199	0.575099	1	Decreased Expression with Increasing Exponent
REACTION_MITOCHONDRIAL_TRNA_AMINOACYLATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MITOCHONDRIAL_TRNA_AMINOACYLATI	43	0.294745	0.87972	0.58	1	Decreased Expression with Increasing Exponent
REACTION_ACETYLCHOLINE_NEUROTRANSMITTER_RELEASE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_ACETYLCHOLINE_NEUROTRANSMITTER_R	18	0.57226	130,711	0.24498	1	Decreased Expression with Increasing Exponent
REACTION_LOSS_OF_NLP_FROM_MITOTIC_CENTROSOMES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_LOSS_OF_NLP_FROM_MITOTIC_CENTROS	144	0.248655	0.845508	0.62549	1	Decreased Expression with Increasing Exponent
REACTION_CELL_CYCLE_CHECKPOINTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CELL_CYCLE_CHECKPOINTS	245	0.273911	0.870876	0.553398	1	Decreased Expression with Increasing Exponent
REACTION_NOREPINEPHRINE_NEUROTRANSMITTER_RELEASE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_NOREPINEPHRINE_NEUROTRANSMITTER_	20	0.56739	131,328	0.229541	1	Decreased Expression with Increasing Exponent
REACTION_ACETYLCHOLINE_BINDING_AND_DOWNSTREAM_EVENTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_ACETYLCHOLINE_BINDING_AND_DOWN	23	0.269706	0.757484	0.732653	1	Decreased Expression with Increasing Exponent
REACTION_ABC_FAMILY_PROTEINS_MEDIATED_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_ABC_FAMILY_PROTEINS_MEDIATED_TRAI	75	0.267494	0.938462	0.543388	1	Decreased Expression with Increasing Exponent
REACTION_TRNA_AMINOACYLATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_TRNA_AMINOACYLATION	88	0.195645	0.620377	0.885655	1	Decreased Expression with Increasing Exponent
REACTION_OLFACTORY_SIGNALING_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_OLFACTORY_SIGNALING_PATHWAY	109	0.19871	0.62658	0.871795	1	Decreased Expression with Increasing Exponent
REACTION_STEROID_HORMONES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_STEROID_HORMONES	49	0.38695	130,185	0.163636	1	Decreased Expression with Increasing Exponent
REACTION_RECRUITMENT_OF_NUMA_TO_MITOTIC_CENTROSOMES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_RECRUITMENT_OF_NUMA_TO_MITOTIC_	26	0.371269	10,103	0.451807	1	Decreased Expression with Increasing Exponent
REACTION_AMINE_DERIVED_HORMONES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_AMINE_DERIVED_HORMONES	24	0.196987	0.547075	0.936735	1	Decreased Expression with Increasing Exponent
REACTION_NUCLEAR_RECEPTOR_TRANSCRIPTION_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_NUCLEAR_RECEPTOR_TRANSCRIPTION_P	145	0.301441	117,168	0.262834	1	Decreased Expression with Increasing Exponent
REACTION_CYCLIN_E_ASSOCIATED_EVENTS_DURING_G1_S_TRANSITION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CYCLIN_E_ASSOCIATED_EVENTS_DURING	117	0.272525	0.88103	0.571158	1	Decreased Expression with Increasing Exponent
REACTION_HOMOLOGOUS_RECOMBINATION_REPAIR_OF_REPLICATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_HOMOLOGOUS_RECOMBINATION_REPAI	45	0.316069	0.951237	0.505837	1	Decreased Expression with Increasing Exponent
REACTION_G1_PHASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_G1_PHASE	82	0.237365	0.843667	0.664609	1	Decreased Expression with Increasing Exponent
REACTION_ELEVATION_OF_CYTOSOLIC_CA2_LEVELS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_ELEVATION_OF_CYTOSOLIC_CA2_LEVELS	18	0.385477	104,226	0.40501	1	Decreased Expression with Increasing Exponent
REACTION_P53_DEPENDENT_G1_DNA_DAMAGE_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_P53_DEPENDENT_G1_DNA_DAMAGE_RE	111	0.235057	0.76702	0.714851	1	Decreased Expression with Increasing Exponent
REACTION_TRANSCRIPTION_COUPLED_NER_TC_NER	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_TRANSCRIPTION_COUPLED_NER_TC_NER	83	0.255331	0.808711	0.659533	1	Decreased Expression with Increasing Exponent
REACTION_RNA_POL_II_TRANSCRIPTION_PRE_INITIATION_AND_PROMOT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_RNA_POL_II_TRANSCRIPTION_PRE_INITIA	76	0.221031	0.735541	0.809237	1	Decreased Expression with Increasing Exponent
REACTION_ASSOCIATION_OF_TRIC_CCT_WITH_TARGET_PROTEINS_DURI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_ASSOCIATION_OF_TRIC_CCT_WITH_TARG	60	0.342382	121,801	0.213018	1	Decreased Expression with Increasing Exponent
REACTION_PEROXISOMAL_LIPID_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_PEROXISOMAL_LIPID_METABOLISM	48	0.273148	0.87269	0.594595	1	Decreased Expression with Increasing Exponent
REACTION_METABOLISM_OF_NUCLEOTIDES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_METABOLISM_OF_NUCLEOTIDES	149	0.218827	0.791987	0.71673	1	Decreased Expression with Increasing Exponent
REACTION_AMINE_LIGAND_BINDING_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_AMINE_LIGAND_BINDING_RECEPTORS	66	0.297552	0.945886	0.506148	1	Decreased Expression with Increasing Exponent
REACTION_SEROTONIN_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_SEROTONIN_RECEPTORS	21	0.240593	0.666635	0.850622	1	Decreased Expression with Increasing Exponent
REACTION_CDC6_ASSOCIATION_WITH_THE_ORC_ORIGIN_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CDC6_ASSOCIATION_WITH_THE_ORC_OR	22	0.472382	119,474	0.294798	1	Decreased Expression with Increasing Exponent
REACTION_M_G1_TRANSITION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_M_G1_TRANSITION	147	0.313543	0.968678	0.485876	1	Decreased Expression with Increasing Exponent
REACTION_PURINE_RIBONUCLEOSIDE_MONOPHOSPHATE_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_PURINE_RIBONUCLEOSIDE_MONOPHOSP	27	0.226428	0.576681	0.897683	1	Decreased Expression with Increasing Exponent
REACTION_G1_S_TRANSITION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_G1_S_TRANSITION	211	0.28918	0.904804	0.558541	1	Decreased Expression with Increasing Exponent
REACTION_POL_SWITCHING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_POL_SWITCHING	25	0.499184	126,505	0.25	1	Decreased Expression with Increasing Exponent
REACTION_NUCLEOTIDE_EXCISION_REPAIR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_NUCLEOTIDE_EXCISION_REPAIR	91	0.270951	0.85832	0.618182	1	Decreased Expression with Increasing Exponent
REACTION_CLASS_C_3_METABOTROPIC_GLUTAMATE_PHEROMONE_REC	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CLASS_C_3_METABOTROPIC_GLUTAMATI	29	0.245614	0.669489	0.84265	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_INSULIN_SECRETION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_INSULIN_SECRETION	216	0.168789	0.685253	0.926295	1	Decreased Expression with Increasing Exponent
REACTION_TRANSPORT_OF_MATURE_MRNA_DERIVED_FROM_AN_INTRC	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_TRANSPORT_OF_MATURE_MRNA_DERIV	83	0.173777	0.575499	0.946	1	Decreased Expression with Increasing Exponent
REACTION_GLUACAGON_TYPE_LIGAND_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_GLUACAGON_TYPE_LIGAND_RECEPTORS	76	0.225417	0.847035	0.673428	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_INSULIN_SECRETION_BY_ACETYLCHOLINE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_INSULIN_SECRETION_B	36	0.165035	0.454158	0.96929	1	Decreased Expression with Increasing Exponent
REACTION_FANCONI_ANEMIA_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_FANCONI_ANEMIA_PATHWAY	50	0.156751	0.45066	0.974708	1	Decreased Expression with Increasing Exponent
REACTION_POST_TRANSLATIONAL_MODIFICATION_SYNTHESIS_OF_GPI_A	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_POST_TRANSLATIONAL_MODIFICATION_	61	0.2824	0.93436	0.55336	1	Decreased Expression with Increasing Exponent
REACTION_CYCLIN_A_B1_ASSOCIATED_EVENTS_DURING_G2_M_TRANSIT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CYCLIN_A_B1_ASSOCIATED_EVENTS_DUR	28	0.296123	0.684681	0.746479	1	Decreased Expression with Increasing Exponent
REACTION_PURINE_SALVAGE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_PURINE_SALVAGE	22	0.239427	0.652941	0.864412	1	Decreased Expression with Increasing Exponent
REACTION_CELL_CELL_JUNCTION_ORGANIZATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CELL_CELL_JUNCTION_ORGANIZATION	140	0.230217	0.963882	0.510246	1	Decreased Expression with Increasing Exponent
REACTION_TIGHT_JUNCTION_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_TIGHT_JUNCTION_INTERACTIONS	63	0.363643	135,563	0.106299	1	Decreased Expression with Increasing Exponent
REACTION_TRANSPORT_OF_INORGANIC_CATIONS_ANIONS_AND_AMINO	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_TRANSPORT_OF_INORGANIC_CATIONS_A	207	0.192661	0.746953	0.823171	1	Decreased Expression with Increasing Exponent
REACTION_CDT1_ASSOCIATION_WITH_THE_CDC6_ORC_ORIGIN_COMPLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CDT1_ASSOCIATION_WITH_THE_CDC6_O	100	0.364252	109,911	0.386847	1	Decreased Expression with Increasing Exponent
REACTION_BRANCHED_CHAIN_AMINO_ACID_CATABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_BRANCHED_CHAIN_AMINO_ACID_CATAB	43	0.555894	160,571	0.0458891	1	Decreased Expression with Increasing Exponent
REACTION_REPAIR_SYNTHESIS_FOR_GAP_FILLING_BY_DNA_POL_IN_TC_	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REPAIR_SYNTHESIS_FOR_GAP_FILLING_B	22	0.547532	12,435	0.280769	1	Decreased Expression with Increasing Exponent
REACTION_SYNTHESIS_OF_DNA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_SYNTHESIS_OF_DNA	167	0.342207	10,452	0.418386	1	Decreased Expression with Increasing Exponent
REACTION_NA_CL_DEPENDENT_NEUROTRANSMITTER_TRANSPORTERS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_NA_CL_DEPENDENT_NEUROTRANSMITTE	38	0.466789	140,051	0.120408	1	Decreased Expression with Increasing Exponent
REACTION_DEADENYLATION_OF_MRNA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_DEADENYLATION_OF_MRNA	55	0.27547	0.870199	0.609856	1	Decreased Expression with Increasing Exponent
REACTION_MRNA_DECAY_BY_5_TO_3_EXORIBONUCLEASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MRNA_DECAY_BY_5_TO_3_EXORIBONUC	33	0.252644	0.706057	0.799599	1	Decreased Expression with Increasing Exponent
REACTION_DOUBLE_STRAND_BREAK_REPAIR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_DOUBLE_STRAND_BREAK_REPAIR	62	0.265669	0.821943	0.630648	1	Decreased Expression with Increasing Exponent
REACTION_AUTODEGRADATION_OF_THE_E3_UBIQUITIN_LIGASE_COP1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_AUTODEGRADATION_OF_THE_E3_UBIQU	92	0.34896	108,041	0.398422	1	Decreased Expression with Increasing Exponent
REACTION_MRNA_DECAY_BY_3_TO_5_EXORIBONUCLEASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MRNA_DECAY_BY_3_TO_5_EXORIBONUC	30	0.192518	0.515447	0.924025	1	Decreased Expression with Increasing Exponent
REACTION_DEADENYLATION_DEPENDENT_MRNA_DECAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_DEADENYLATION_DEPENDENT_MRNA_De	118	0.195953	0.642343	0.876	1	Decreased Expression with Increasing Exponent
REACTION_CELL_JUNCTION_ORGANIZATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_CELL_JUNCTION_ORGANIZATION	204	0.240221	0.962614	0.497899	1	Decreased Expression with Increasing Exponent
REACTION_AMINE_COMPOUND_SLC_TRANSPORTERS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_AMINE_COMPOUND_SLC_TRANSPORTER	62	0.381326	129,219	0.146939	1	Decreased Expression with Increasing Exponent
REACTION_PYRUVATE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_PYRUVATE_METABOLISM	45	0.352854	101,927	0.439919	1	Decreased Expression with Increasing Exponent
REACTION_MITOTIC_G1_G1_S_PHASES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MITOTIC_G1_G1_S_PHASES	275	0.265837	0.893654	0.557252	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_MITOTIC_CELL_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_MITOTIC_CELL_CYCLE	166	0.333382	110,932	0.362403	1	Decreased Expression with Increasing Exponent
REACTION_MITOTIC_M_M_G1_PHASES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MITOTIC_M_M_G1_PHASES	338	0.230072	0.763851	0.67167	1	Decreased Expression with Increasing Exponent
REACTION_PHOSPHOLIPASE_C_MEDIATED_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_PHOSPHOLIPASE_C_MEDIATED_CASCADE	151	0.191738	0.715479	0.854962	1	Decreased Expression with Increasing Exponent
REACTION_ACTIVATION_OF_KAINATE_RECEPTORS_UPON_GLUTAMATE_E	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_ACTIVATION_OF_KAINATE_RECEPTORS_U	80	0.200172	0.720751	0.85	1	Decreased Expression with Increasing Exponent
REACTION_IJONOTROPIC_ACTIVITY_OF_KAINATE_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_IJONOTROPIC_ACTIVITY_OF_KAINATE_REC	38	0.277615	0.878362	0.596623	1	Decreased Expression with Increasing Exponent
REACTION_SYNTHESIS_AND_INTERCONVERSION_OF_NUCLEOTIDE_DI_	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_SYNTHESIS_AND_INTERCONVERSION_OF_	38	0.304733	0.884621	0.580582	1	Decreased Expression with Increasing Exponent
REACTION_SHC_MEDIATED_CASCADE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_SHC_MEDIATED_CASCADE	78	0.199909	0.696563	0.853306	1	Decreased Expression with Increasing Exponent
REACTION_MITOTIC_G2_G2_M_PHASES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_MITOTIC_G2_G2_M_PHASES	190	0.225292	0.772956	0.703704	1	Decreased Expression with Increasing Exponent
REACTION_REGULATION_OF_RHEB_GTPASE_ACTIVITY_BY_AMPK	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_REGULATION_OF_RHEB_GTPASE_ACTIVIT	34	0.202561	0.604706	0.916342	1	Decreased Expression with Increasing Exponent
REACTION_DNA_REPAIR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTION_DNA_REPAIR	231	0.201532	0.69586	0.779727	1	Decreased Expression with Increasing Exponent

REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_EFFECTS_OF_PIP2_HYDROLYSIS	57	0.381061	123,261	0.219067	1	Decreased Expression with Increasing Exponent
REACTOME_ROLE_OF_SECOND_MESSENGERS_IN_NETRIN1_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ROLE_OF_SECOND_MESSENGERS_IN_NET	21	0.461287	122,343	0.263581	1	Decreased Expression with Increasing Exponent
REACTOME_NETRIN1_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NETRIN1_SIGNALING	117	0.186578	0.76103	0.862986	1	Decreased Expression with Increasing Exponent
REACTOME_INTERACTION_BETWEEN_L1_AND_ANKYRINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTERACTION_BETWEEN_L1_AND_ANKYR	66	0.236616	0.70013	0.76378	1	Decreased Expression with Increasing Exponent
REACTOME_FATTY_ACID_TRIACYLGLYCEROL_AND_KETONE_BODY_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FATTY_ACID_TRIACYLGLYCEROL_AND_KET	452	0.232624	106,365	0.317829	1	Decreased Expression with Increasing Exponent
REACTOME_TRANSPORT_OF_VITAMINS_NUCLEOSIDES_AND_RELATED_METABOLITES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSPORT_OF_VITAMINS_NUCLEOSIDE	68	0.219724	0.751887	0.805556	1	Decreased Expression with Increasing Exponent
REACTOME_PRESYNAPTIC_NICOTINIC_ACETYLCHOLINE_RECEPTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PRESYNAPTIC_NICOTINIC_ACETYLCHOLIN	21	0.342355	0.924681	0.564315	1	Decreased Expression with Increasing Exponent
REACTOME_ORGANIC_CATION_ANION_ZWITTERION_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ORGANIC_CATION_ANION_ZWITTERION_22	2	0.452822	123,227	0.231855	1	Decreased Expression with Increasing Exponent
REACTOME_DCC_MEDIATED_ATTRACTIVE_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DCC_MEDIATED_ATTRACTIVE_SIGNALING	53	0.274154	0.990623	0.451098	1	Decreased Expression with Increasing Exponent
REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ASSEMBLY_OF_THE_PRE_REPLICATIVE_C	120	0.357544	109,851	0.373106	1	Decreased Expression with Increasing Exponent
REACTOME_GLOBAL_GENOMIC_NER_GG_NER	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLOBAL_GENOMIC_NER_GG_NER	53	0.249092	0.716064	0.723608	1	Decreased Expression with Increasing Exponent
REACTOME_AMINO_ACID_SYNTHESIS_AND_INTERCONVERSION_TRANSACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_AMINO_ACID_SYNTHESIS_AND_INTERCOI	38	0.451239	146,363	0.06917	1	Decreased Expression with Increasing Exponent
REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATION_OF_GIP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATI	26	0.412485	118,636	0.253817	1	Decreased Expression with Increasing Exponent
REACTOME_PLATELET_SENSITIZATION_BY_LDL	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PLATELET_SENSITIZATION_BY_LDL	44	0.141545	0.457787	0.992032	1	Decreased Expression with Increasing Exponent
REACTOME_RAP1_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RAP1_SIGNALING	36	0.32254	102,395	0.444219	1	Decreased Expression with Increasing Exponent
REACTOME_PLATELET_CALCIIUM_HOMEOSTASIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PLATELET_CALCIIUM_HOMEOSTASIS	53	0.314539	102,436	0.409465	1	Decreased Expression with Increasing Exponent
REACTOME_GABA_SYNTHESIS_RELEASE_REUPTAKE_AND_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GABA_SYNTHESIS_RELEASE_REUPTAKE_A	40	0.434662	114,326	0.335294	1	Decreased Expression with Increasing Exponent
REACTOME_INCRETIN_SYNTHESIS_SECRETION_AND_INACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INCRETIN_SYNTHESIS_SECRETION_AND_I	35	0.40024	130,615	0.12766	1	Decreased Expression with Increasing Exponent
REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATION_OF_GLP1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_SECRETION_AND_INACTIVATI	28	0.262608	0.78504	0.748538	1	Decreased Expression with Increasing Exponent
REACTOME_TRAF6_MEDIATED_IRF7_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAF6_MEDIATED_IRF7_ACTIVATION	54	0.235009	0.790549	0.716298	1	Decreased Expression with Increasing Exponent
REACTOME_CIRCADIAN_CLOCK	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CIRCADIAN_CLOCK	169	0.191139	0.735488	0.82582	1	Decreased Expression with Increasing Exponent
REACTOME_FACTORS_INVOLVED_IN_MEGAKARYOCYTE_DEVELOPMENT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FACTORS_INVOLVED_IN_MEGAKARYOCY	281	0.180926	0.87211	0.725296	1	Decreased Expression with Increasing Exponent
REACTOME_GABA_A_RECEPTOR_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GABA_A_RECEPTOR_ACTIVATION	28	0.299546	0.725784	0.721545	1	Decreased Expression with Increasing Exponent
REACTOME_REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_TO_IT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_MRNA_STABILITY_BY_F	203	0.210951	0.772593	0.752988	1	Decreased Expression with Increasing Exponent
REACTOME_NFKB_ACTIVATION_THROUGH_FADD_RIP1_PATHWAY_MEDIATED_BY_KSRP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NFKB_ACTIVATION_THROUGH_FADD_RIP	30	0.222545	0.617026	0.884232	1	Decreased Expression with Increasing Exponent
REACTOME_DESTABILIZATION_OF_MRNA_BY_KSRP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DESTABILIZATION_OF_MRNA_BY_KSRP	51	0.156599	0.479397	0.989858	1	Decreased Expression with Increasing Exponent
REACTOME_DESTABILIZATION_OF_MRNA_BY_TRISTETAPROLIN_TTP	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DESTABILIZATION_OF_MRNA_BY_TRISTET	56	0.162459	0.509895	0.975359	1	Decreased Expression with Increasing Exponent
REACTOME_TRAF6_MEDIATED_IRF7_ACTIVATION_IN_TLR7_8_OR_9_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRAF6_MEDIATED_IRF7_ACTIVATION_IN_	19	0.200566	0.507158	0.949119	1	Decreased Expression with Increasing Exponent
REACTOME_KINESINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_KINESINS	43	0.279628	0.887224	0.585799	1	Decreased Expression with Increasing Exponent
REACTOME_TRANSFERRIN_ENDOCYTOSIS_AND_RECYCLING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_TRANSFERRIN_ENDOCYTOSIS_AND_RECY	59	0.184028	0.61594	0.922925	1	Decreased Expression with Increasing Exponent
REACTOME_DSCAM_INTERACTIONS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DSCAM_INTERACTIONS	35	0.184878	0.633667	0.932939	1	Decreased Expression with Increasing Exponent
REACTOME_ION_CHANNEL_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ION_CHANNEL_TRANSPORT	134	0.19201	0.720113	0.837838	1	Decreased Expression with Increasing Exponent
REACTOME_DESTABILIZATION_OF_MRNA_BY_AUF1_HNRNP_D0	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DESTABILIZATION_OF_MRNA_BY_AUF1_H	103	0.295287	0.964004	0.503802	1	Decreased Expression with Increasing Exponent
REACTOME_LIGAND_GATED_ION_CHANNEL_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_LIGAND_GATED_ION_CHANNEL_TRANSP	42	0.331655	0.921894	0.531646	1	Decreased Expression with Increasing Exponent
REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQUIRED_FOR_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ENDOSOMAL_SORTING_COMPLEX_REQU	47	0.381496	116,636	0.293069	1	Decreased Expression with Increasing Exponent
REACTOME_LAGGING_STRAND_SYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_LAGGING_STRAND_SYNTHESIS	34	0.423979	106,956	0.419417	1	Decreased Expression with Increasing Exponent
REACTOME_INTRINSIC_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTRINSIC_PATHWAY	31	0.296517	0.917456	0.546559	1	Decreased Expression with Increasing Exponent
REACTOME_INHIBITION_OF_REPLICATION_INITIATION_OF_DAMAGED_DNA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INHIBITION_OF_REPLICATION_INITIATI	30	0.224284	0.683938	0.832685	1	Decreased Expression with Increasing Exponent
REACTOME_ETHANOL_OXIDATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ETHANOL_OXIDATION	21	0.264194	0.732978	0.8119	1	Decreased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_VERY_LONG_CHAIN_FATTY_ACYL_COAS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_VERY_LONG_CHAIN_FATT	35	0.309669	0.902772	0.587426	1	Decreased Expression with Increasing Exponent
REACTOME_DNA_REPLICATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DNA_REPLICATION	372	0.251398	0.82409	0.610169	1	Decreased Expression with Increasing Exponent
REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_REPLICATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_E2F_MEDIATED_REGULATION_OF_DNA_F	76	0.362263	106,051	0.410985	1	Decreased Expression with Increasing Exponent
REACTOME_HORMONE_SENSITIVE_LIPASE_HSL_MEDIATED_TRIACYLGLYCEROL_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HORMONE_SENSITIVE_LIPASE_HSL_MEDI	25	0.202763	0.557058	0.946721	1	Decreased Expression with Increasing Exponent
REACTOME_PURINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PURINE_METABOLISM	67	0.200131	0.712392	0.854902	1	Decreased Expression with Increasing Exponent
REACTOME_APOPTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APOPTOSIS	346	0.225406	101,556	0.402321	1	Decreased Expression with Increasing Exponent
REACTOME_LIPID_DIGESTION_MOBILIZATION_AND_TRANSPORT	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_LIPID_DIGESTION_MOBILIZATION_AND_T	106	0.157513	0.542509	0.987879	1	Decreased Expression with Increasing Exponent
REACTOME_NEP_NS2_INTERACTS_WITH_THE_CELLULAR_EXPORT_MACHINERY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_NEP_NS2_INTERACTS_WITH_THE_CELLUL	70	0.184788	0.580404	0.915832	1	Decreased Expression with Increasing Exponent
REACTOME_HIV_INFECTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HIV_INFECTION	437	0.196892	0.790082	0.726916	1	Decreased Expression with Increasing Exponent
REACTOME_HIV_LIFE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HIV_LIFE_CYCLE	252	0.174697	0.643687	0.934911	1	Decreased Expression with Increasing Exponent
REACTOME_ABORTIVE_ELONGATION_OF_HIV1_TRANSCRIPT_IN_THE_ABSENCE_OF_REVERSE_TRANSCRIPTASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ABORTIVE_ELONGATION_OF_HIV1_TRAN	39	0.299929	0.926713	0.525912	1	Decreased Expression with Increasing Exponent
REACTOME_EARLY_PHASE_OF_HIV_LIFE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_EARLY_PHASE_OF_HIV_LIFE_CYCLE	35	0.23587	0.650734	0.849206	1	Decreased Expression with Increasing Exponent
REACTOME_HOST_INTERACTIONS_OF_HIV_FACTORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_HOST_INTERACTIONS_OF_HIV_FACTORS	294	0.220443	0.878912	0.621359	1	Decreased Expression with Increasing Exponent
REACTOME_RNA_POL_III_TRANSCRIPTION_TERMINATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_III_TRANSCRIPTION_TERMINAT	51	0.252426	0.843061	0.646707	1	Decreased Expression with Increasing Exponent
REACTOME_FORMATION_OF_THE_HIV1_EARLY_ELONGATION_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FORMATION_OF_THE_HIV1_EARLY_ELON	55	0.24174	0.759748	0.72407	1	Decreased Expression with Increasing Exponent
REACTOME_VIRAL_MESSENGER_RNA_SYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_VIRAL_MESSENGER_RNA_SYNTHESIS	31	0.367491	109,974	0.351085	1	Decreased Expression with Increasing Exponent
REACTOME_LATE_PHASE_OF_HIV_LIFE_CYCLE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_LATE_PHASE_OF_HIV_LIFE_CYCLE	217	0.176149	0.642897	0.923228	1	Decreased Expression with Increasing Exponent
REACTOME_INTERACTIONS_OF_VPR_WITH_HOST_CELLULAR_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTERACTIONS_OF_VPR_WITH_HOST_CEL	84	0.234062	0.770652	0.729941	1	Decreased Expression with Increasing Exponent
REACTOME_APC_C_CDH1_MEDIATED_DEGRADATION_OF_CDC20_AND_OTHER_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APC_C_CDH1_MEDIATED_DEGRADATION	126	0.326648	103,848	0.433333	1	Decreased Expression with Increasing Exponent
REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_REPLICATION_STRESS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ACTIVATION_OF_ATR_IN_RESPONSE_TO_	80	0.360637	0.930961	0.543689	1	Decreased Expression with Increasing Exponent
REACTOME_UNWINDING_OF_DNA	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_UNWINDING_OF_DNA	25	0.368942	0.80889	0.638672	1	Decreased Expression with Increasing Exponent
REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_MITOTIC_PROTEINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APC_C_CDC20_MEDIATED_DEGRADATIO	133	0.363565	11,425	0.337917	1	Decreased Expression with Increasing Exponent
REACTOME_AUTODEGRADATION_OF_CDH1_BY_CDH1_APC_C	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_AUTODEGRADATION_OF_CDH1_BY_CDH1	111	0.344456	108,111	0.378698	1	Decreased Expression with Increasing Exponent
REACTOME_REGULATION_OF_GLUCOKINASE_BY_GLUCOKINASE_REGULATOR	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_REGULATION_OF_GLUCOKINASE_BY_GLU	68	0.173788	0.568286	0.958333	1	Decreased Expression with Increasing Exponent
REACTOME_MITOTIC_PROMETAPHASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MITOTIC_PROMETAPHASE	184	0.140857	0.445639	0.980695	1	Decreased Expression with Increasing Exponent
REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_CYCLIN_B	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APC_C_CDC20_MEDIATED_DEGRADATIO	44	0.356791	102,466	0.432866	1	Decreased Expression with Increasing Exponent
REACTOME_SCF_BETA_TRCP_MEDIATED_DEGRADATION_OF_EMI1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SCF_BETA_TRCP_MEDIATED_DEGRADATI	96	0.369354	118,879	0.307985	1	Decreased Expression with Increasing Exponent
REACTOME_LIPOPROTEIN_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_LIPOPROTEIN_METABOLISM	76	0.172282	0.560004	0.952756	1	Decreased Expression with Increasing Exponent
REACTOME_G1_S_SPECIFIC_TRANSCRIPTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G1_S_SPECIFIC_TRANSCRIPTION	38	0.345102	0.833859	0.599621	1	Decreased Expression with Increasing Exponent
REACTOME_CONVERSION_FROM_APC_C_CDC20_TO_APC_C_CDH1_IN_LATE_G1	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CONVERSION_FROM_APC_C_CDC20_TO_	39	0.316351	0.967037	0.478261	1	Decreased Expression with Increasing Exponent
REACTOME_PHOSPHORYLATION_OF_THE_APC_C	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PHOSPHORYLATION_OF_THE_APC_C	40	0.42001	118,694	0.29495	1	Decreased Expression with Increasing Exponent
REACTOME_INTEGRATION_OF_PROVIRUS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTEGRATION_OF_PROVIRUS	26	0.292816	0.763953	0.72619	1	Decreased Expression with Increasing Exponent
REACTOME_Glutathione_Conjugation	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_Glutathione_Conjugation	48	0.233185	0.738277	0.769697	1	Decreased Expression with Increasing Exponent
REACTOME_MTORC1_MEDIATED_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_MTORC1_MEDIATED_SIGNALING	33	0.313391	100,875	0.449692	1	Decreased Expression with Increasing Exponent
REACTOME_GLUCOSE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GLUCOSE_METABOLISM	139	0.286257	101,799	0.431452	1	Decreased Expression with Increasing Exponent
REACTOME_VOLTAGE_GATED_POTASSIUM_CHANNELS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_VOLTAGE_GATED_POTASSIUM_CHANNEL	82	0.247199	0.794763	0.693387	1	Decreased Expression with Increasing Exponent
REACTOME_ANTIGEN_PRESENTATION_FOLDING_ASSEMBLY_AND_PEPTIDE_BINDING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ANTIGEN_PRESENTATION_FOLDING_ASSE	57	0.247329	0.622685	0.793037	1	Decreased Expression with Increasing Exponent
REACTOME_ANTIGEN_PROCESSING_UBIQUITINATION_PROTEASOME_DEGRADATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_ANTIGEN_PROCESSING_UBIQUITINATION	499	0.268879	116,482	0.232283	1	Decreased Expression with Increasing Exponent
REACTOME_POTASSIUM_CHANNELS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_POTASSIUM_CHANNELS	198	0.182142	0.648249	0.905812	1	Decreased Expression with Increasing Exponent
REACTOME_CREATION_OF_C4_AND_C2_ACTIVATORS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CREATION_OF_C4_AND_C2_ACTIVATORS	16	0.262673	0.656437	0.870518	1	Decreased Expression with Increasing Exponent
REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_OF_NEK2A	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APC_C_CDC20_MEDIATED_DEGRADATION_	50	0.388613	111,776	0.349593	1	Decreased Expression with Increasing Exponent
REACTOME_EXTENSION_OF_TELOMERES	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_EXTENSION_OF_TELOMERES	48	0.292292	0.776208	0.679924	1	Decreased Expression with Increasing Exponent
REACTOME_G2_M_CHECKPOINTS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_G2_M_CHECKPOINTS	98	0.292166	0.776002	0.654369	1	Decreased Expression with Increasing Exponent
REACTOME_S_PHASE	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_S_PHASE	199	0.299286	0.943886	0.508571	1	Decreased Expression with Increasing Exponent
REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_P27_P21	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SCF_SKP2_MEDIATED_DEGRADATION_OF_	100	0.312097	0.957746	0.5	1	Decreased Expression with Increasing Exponent
REACTOME_DNA_STRAND_ELONGATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_DNA_STRAND_ELONGATION	59	0.399285	0.999816	0.489362	1	Decreased Expression with Increasing Exponent
REACTOME_FGFR_LIGAND_BINDING_AND_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FGFR_LIGAND_BINDING_AND_ACTIVATIO	60	0.26177	0.835778	0.656126	1	Decreased Expression with Increasing Exponent
REACTOME_CHOLESTEROL_BIOSYNTHESIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_CHOLESTEROL_BIOSYNTHESIS	43	0.319432	0.782852	0.664062	1	Decreased Expression with Increasing Exponent
REACTOME_APOBEC3G_MEDIATED_RESISTANCE_TO_HIV1_INFECTION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_APOBEC3G_MEDIATED_RESISTANCE_TO_	18	0.425823	100,839	0.458586	1	Decreased Expression with Increasing Exponent
REACTOME_GAP_JUNCTION_TRAFFICKING	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GAP_JUNCTION_TRAFFICKING	56	0.190143	0.624124	0.923541	1	Decreased Expression with Increasing Exponent
REACTOME_FGFR2C_LIGAND_BINDING_AND_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FGFR2C_LIGAND_BINDING_AND_ACTIVAT	34	0.352345	0.95474	0.527273	1	Decreased Expression with Increasing Exponent
REACTOME_METABOLISM_OF_PORPHYRINS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_METABOLISM_OF_PORPHYRINS	36	0.333707	100,509	0.472222	1	Decreased Expression with Increasing Exponent
REACTOME_FGFR4_LIGAND_BINDING_AND_ACTIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_FGFR4_LIGAND_BINDING_AND_ACTIVATI	25	0.430696	11,752	0.299401	1	Decreased Expression with Increasing Exponent
REACTOME_VIF_MEDIATED_DEGRADATION_OF_APOBEC3G	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_VIF_MEDIATED_DEGRADATION_OF_APOE	95	0.392878	121,614	0.292969	1	Decreased Expression with Increasing Exponent
REACTOME_GAP_JUNCTION_ASSEMBLY	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_GAP_JUNCTION_ASSEMBLY	27	0.254155	0.715468	0.796334	1	Decreased Expression with Increasing Exponent
REACTOME_SYNTHESIS_OF_GLYCOSYLPHOSPHATIDYLINOSITOL_GPI	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_SYNTHESIS_OF_GLYCOSYLPHOSPHATIDYL	41	0.274149	0.864367	0.629032	1	Decreased Expression with Increasing Exponent
REACTOME_RNA_POL_II_TRANSCRIPTION_INITIATION	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_RNA_POL_II_TRANSCRIPTION_INITIATION	51	0.178313	0.556535	0.959538	1	Decreased Expression with Increasing Exponent
REACTOME_PYRIMIDINE_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_PYRIMIDINE_METABOLISM	52	0.303907	0.974876	0.493177	1	Decreased Expression with Increasing Exponent
REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS	76	0.291605	112,636	0.297405	1	Decreased Expression with Increasing Exponent

NAKAMURA_CANCER_MICROENVIRONMENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_CANCER_MICROENVIRONMENT_DN	114	0.293354	0.933847	0.530242	1	Decreased Expression with Increasing Exponent
PARENT_MTOR_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PARENT_MTOR_SIGNALING_DN	128	0.248645	0.988116	0.467078	1	Decreased Expression with Increasing Exponent
LIU_PROSTATE_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_PROSTATE_CANCER_UP	228	0.164725	0.725089	0.935115	1	Decreased Expression with Increasing Exponent
SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHUETZ_BREAST_CANCER_DUCTAL_INVASIVE_DN	242	0.168712	0.761471	0.895753	1	Decreased Expression with Increasing Exponent
FOURNIER_ACINAR_DEVELOPMENT_EARLY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FOURNIER_ACINAR_DEVELOPMENT_EARLY_UP	69	0.326227	113,581	0.303327	1	Decreased Expression with Increasing Exponent
FOURNIER_ACINAR_DEVELOPMENT_LATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FOURNIER_ACINAR_DEVELOPMENT_LATE_UP	31	-0.690031	-196,451	0.00207039	1	Increased Expression with Increasing Exponent
NAM_FXYD5_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NAM_FXYD5_TARGETS_DN	54	0.267558	0.895529	0.588822	1	Decreased Expression with Increasing Exponent
KIM_RESPONSE_TO_TSA_AND_DECITABINE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_RESPONSE_TO_TSA_AND_DECITABINE_UP	254	0.190713	0.718994	0.844898	1	Decreased Expression with Increasing Exponent
KIM_RESPONSE_TO_TSA_AND_DECITABINE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_RESPONSE_TO_TSA_AND_DECITABINE_DN	63	0.266258	0.807008	0.651575	1	Decreased Expression with Increasing Exponent
WATANABE_COLON_CANCER_MSI_VS_MSS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WATANABE_COLON_CANCER_MSI_VS_MSS_UP	67	0.217877	0.790718	0.745968	1	Decreased Expression with Increasing Exponent
SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SOTIRIOU_BREAST_CANCER_GRADE_1_VS_3_UP	292	0.265652	0.696643	0.682509	1	Decreased Expression with Increasing Exponent
GAZDA_DIAMOND_BLACKFAN_ANEMIA_PROGENITOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAZDA_DIAMOND_BLACKFAN_ANEMIA_PROGENITOR	170	0.293855	108,795	0.341897	1	Decreased Expression with Increasing Exponent
CHEMNITZ_RESPONSE_TO_PROSTAGLANDIN_E2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHEMNITZ_RESPONSE_TO_PROSTAGLANDIN_E2_UP	343	0.149643	0.527069	0.931818	1	Decreased Expression with Increasing Exponent
IGARASHI_ATF4_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IGARASHI_ATF4_TARGETS_UP	20	0.24486	0.738521	0.818182	1	Decreased Expression with Increasing Exponent
TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_NORMAL_DUCTAL_VS_LOBULAR	230	0.18723	0.877123	0.721545	1	Decreased Expression with Increasing Exponent
TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOBULAR_NORMAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TURASHVILI_BREAST_LOBULAR_CARCINOMA_VS_LOB	288	0.216243	0.946874	0.550607	1	Decreased Expression with Increasing Exponent
CHANDRAN_METASTASIS_TO50_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHANDRAN_METASTASIS_TO50_DN	131	0.21379	0.889602	0.659574	1	Decreased Expression with Increasing Exponent
WILCOX_RESPONSE_TO_PROGESTERONE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WILCOX_RESPONSE_TO_PROGESTERONE_UP	368	0.214167	0.837053	0.638507	1	Decreased Expression with Increasing Exponent
PUIFFE_INVASION_INHIBITED_BY_ASCITES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PUIFFE_INVASION_INHIBITED_BY_ASCITES_UP	245	0.177723	0.705401	0.903162	1	Decreased Expression with Increasing Exponent
PUIFFE_INVASION_INHIBITED_BY_ASCITES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PUIFFE_INVASION_INHIBITED_BY_ASCITES_DN	406	0.164257	0.683338	0.935091	1	Decreased Expression with Increasing Exponent
PIEPOLI_LG1L_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PIEPOLI_LG1L_TARGETS_UP	40	0.338978	110,029	0.35503	1	Decreased Expression with Increasing Exponent
LIU_CMYB_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_CMYB_TARGETS_UP	398	0.16873	0.770259	0.830709	1	Decreased Expression with Increasing Exponent
LIU_CMYB_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_CMYB_TARGETS_DN	29	0.448368	132,187	0.168986	1	Decreased Expression with Increasing Exponent
LIU_VMYB_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_VMYB_TARGETS_UP	330	0.178325	0.834123	0.804264	1	Decreased Expression with Increasing Exponent
LIU_TARGETS_OF_VMYB_VS_CMYB_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_TARGETS_OF_VMYB_VS_CMYB_UP	46	0.219908	0.784895	0.778443	1	Decreased Expression with Increasing Exponent
DOANE_BREAST_CANCER_CLASSES_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DOANE_BREAST_CANCER_CLASSES_UP	187	0.206311	0.859496	0.674699	1	Decreased Expression with Increasing Exponent
DOANE_BREAST_CANCER_ESR1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DOANE_BREAST_CANCER_ESR1_UP	279	0.249744	111,493	0.256619	1	Decreased Expression with Increasing Exponent
DOANE_BREAST_CANCER_ESR1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DOANE_BREAST_CANCER_ESR1_DN	108	0.189674	0.730246	0.837838	1	Decreased Expression with Increasing Exponent
WANG_RESPONSE_TO_ANDROGEN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_RESPONSE_TO_ANDROGEN_UP	115	0.259024	106,423	0.350877	1	Decreased Expression with Increasing Exponent
WANG_RESPONSE_TO_FORSKOLIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_RESPONSE_TO_FORSKOLIN_UP	91	0.161854	0.641019	0.962745	1	Decreased Expression with Increasing Exponent
WANG_RESPONSE_TO_FORSKOLIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_RESPONSE_TO_FORSKOLIN_DN	38	0.447197	135,456	0.151874	1	Decreased Expression with Increasing Exponent
ROY_WOUND_BLOOD_VESSEL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ROY_WOUND_BLOOD_VESSEL	57	0.196209	0.62836	0.907843	1	Decreased Expression with Increasing Exponent
GRABARCZYK_BCL11B_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRABARCZYK_BCL11B_TARGETS_DN	157	0.162156	0.659575	0.957529	1	Decreased Expression with Increasing Exponent
NEWMAN_ERCC6_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NEWMAN_ERCC6_TARGETS_DN	115	0.245635	0.882783	0.61753	1	Decreased Expression with Increasing Exponent
GAL_LEUKEMIC_STEM_CELL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAL_LEUKEMIC_STEM_CELL_UP	454	0.165359	0.841338	0.869482	1	Decreased Expression with Increasing Exponent
CHOI_ATL_CHRONIC_VS_ACUTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHOI_ATL_CHRONIC_VS_ACUTE_DN	58	0.262988	0.901037	0.58159	1	Decreased Expression with Increasing Exponent
WIKMAN_ASBESTOS_LUNG_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WIKMAN_ASBESTOS_LUNG_CANCER_UP	52	0.497556	168,728	0.0123711	1	Decreased Expression with Increasing Exponent
RODRIGUES NTN1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RODRIGUES NTN1_TARGETS_UP	49	0.269395	0.813618	0.65415	1	Decreased Expression with Increasing Exponent
VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VECCHI_GASTRIC_CANCER_ADVANCED_VS_EARLY_DN	294	0.288087	115,888	0.26078	1	Decreased Expression with Increasing Exponent
BARRIER_COLON_CANCER_RECURRENCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BARRIER_COLON_CANCER_RECURRENCE_DN	55	0.185183	0.669605	0.928131	1	Decreased Expression with Increasing Exponent
SLEBOS_HEAD_AND_NECK_CANCER_WITH_HPV_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SLEBOS_HEAD_AND_NECK_CANCER_WITH_HPV_UP	158	0.233956	0.82246	0.669307	1	Decreased Expression with Increasing Exponent
JAEGER_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JAEGER_METASTASIS_UP	148	0.193128	0.693556	0.847695	1	Decreased Expression with Increasing Exponent
GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GINESTIER_BREAST_CANCER_ZNF217_AMPLIFIED_UP	283	0.195337	0.745016	0.805668	1	Decreased Expression with Increasing Exponent
GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GINESTIER_BREAST_CANCER_20Q13_AMPLIFICATION	413	0.201486	0.862311	0.644033	1	Decreased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_YELLOW_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPI	64	0.171541	0.586032	0.968354	1	Decreased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_TURQUOISE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLI	124	0.157717	0.52648	0.944444	1	Decreased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_MAGENTA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPI	24	0.552501	138,204	0.169697	1	Decreased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_LIGHTYELLOW_D	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPI	31	0.260839	0.830104	0.692157	1	Decreased Expression with Increasing Exponent
GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPIDS_GREY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARGALOVIC_RESPONSE_TO_OXIDIZED_PHOSPHOLIPI	180	0.159186	0.694534	0.949698	1	Decreased Expression with Increasing Exponent
RUNNE_GENDER_EFFECT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RUNNE_GENDER_EFFECT_UP	18	0.601265	116,155	0.378882	1	Decreased Expression with Increasing Exponent
LOPEZ_MESOTELIOMA_SURVIVAL_TIME_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_MESOTELIOMA_SURVIVAL_TIME_UP	27	0.279193	0.704472	0.731141	1	Decreased Expression with Increasing Exponent
BOGNI_TREATMENT_RELATED_MYELOID_LEUKEMIA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOGNI_TREATMENT_RELATED_MYELOID_LEUKEMIA_I	107	0.229514	0.897802	0.59	1	Decreased Expression with Increasing Exponent
BILBAN_B CLL_LPL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BILBAN_B CLL_LPL_UP	170	0.200335	0.851831	0.741483	1	Decreased Expression with Increasing Exponent
HOEBEKE_LYMPHOID_STEM_CELL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOEBEKE_LYMPHOID_STEM_CELL_DN	242	0.189875	0.867864	0.69084	1	Decreased Expression with Increasing Exponent
PEPPER_CHRONIC_LYMPHOCTIC_LEUKEMIA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PEPPER_CHRONIC_LYMPHOCTIC_LEUKEMIA_DN	50	0.287179	10,049	0.44668	1	Decreased Expression with Increasing Exponent
MULLIGHAN_NPM1_MUTATED_SIGNATURE_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MULLIGHAN_NPM1_MUTATED_SIGNATURE_2_UP	394	0.208118	0.949735	0.539216	1	Decreased Expression with Increasing Exponent
LOPEZ_MESOTHELIOMA_SURVIVAL_WORST_VS_BEST_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_MESOTHELIOMA_SURVIVAL_WORST_VS_BEST	36	0.344918	10,313	0.429461	1	Decreased Expression with Increasing Exponent
DITTMER_PTHLH_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DITTMER_PTHLH_TARGETS_UP	294	0.191488	0.738447	0.821285	1	Decreased Expression with Increasing Exponent
ODONNELL_TFRC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ODONNELL_TFRC_TARGETS_DN	352	0.159911	0.572876	0.907514	1	Decreased Expression with Increasing Exponent
ODONNELL_TARGETS_OF_MYC_AND_TFRC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ODONNELL_TARGETS_OF_MYC_AND_TFRC_DN	124	0.123959	0.3429	0.994318	1	Decreased Expression with Increasing Exponent
LEE_NEURAL_CREST_STEM_CELL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_NEURAL_CREST_STEM_CELL_DN	312	0.213175	0.901654	0.636905	1	Decreased Expression with Increasing Exponent
TIEN_INTESTINE_PROBIOTICS_2HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TIEN_INTESTINE_PROBIOTICS_2HR_UP	109	0.212182	0.755272	0.728745	1	Decreased Expression with Increasing Exponent
SABATES_COLORECTAL_ADENOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SABATES_COLORECTAL_ADENOMA_UP	266	0.236747	0.963516	0.496957	1	Decreased Expression with Increasing Exponent
SCIBETTA_KDM5B_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCIBETTA_KDM5B_TARGETS_UP	53	0.270592	0.940905	0.546012	1	Decreased Expression with Increasing Exponent
ELVIDGE_HYPOXIA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HYPOXIA_DN	402	0.196353	0.795544	0.726744	1	Decreased Expression with Increasing Exponent
ELVIDGE_HYPOXIA_BY_DMOG_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HYPOXIA_BY_DMOG_DN	156	0.269621	104,797	0.372361	1	Decreased Expression with Increasing Exponent
ELVIDGE_HIF1A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HIF1A_TARGETS_UP	173	0.179942	0.632603	0.900778	1	Decreased Expression with Increasing Exponent
ELVIDGE_HIF2A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HIF2A_TARGETS_UP	96	0.459971	112,867	0.343689	1	Decreased Expression with Increasing Exponent
ELVIDGE_HIF1A_AND_HIF2A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ELVIDGE_HIF1A_AND_HIF2A_TARGETS_UP	91	0.272067	0.912051	0.55754	1	Decreased Expression with Increasing Exponent
MOROSSETTI_FACIOSCAPULOHUMERAL_MUSCULAR_DISTROPHY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MOROSSETTI_FACIOSCAPULOHUMERAL_MUSCULAR_D	17	0.459852	116,197	0.306911	1	Decreased Expression with Increasing Exponent
GRAHAM_CML_QUIESCENT_VS_CML_DIVIDING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_QUIESCENT_VS_CML_DIVIDING_UP	55	-0.699072	-198,888	0.00195312	1	Increased Expression with Increasing Exponent
GRAHAM_CML_QUIESCENT_VS_CML_DIVIDING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_QUIESCENT_VS_CML_DIVIDING_DN	22	0.206991	0.518302	0.932927	1	Decreased Expression with Increasing Exponent
GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_CML_DIVIDING_VS_NORMAL_QUIESCENT_I	401	0.192712	0.62302	0.766859	1	Decreased Expression with Increasing Exponent
GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRAHAM_NORMAL_QUIESCENT_VS_NORMAL_DIVIDI	170	0.225982	0.601887	0.761719	1	Decreased Expression with Increasing Exponent
WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WAMUNYOKOLI_OVARIAN_CANCER_GRADES_1_2_UF	386	0.19422	0.863875	0.685371	1	Decreased Expression with Increasing Exponent
MAYBURD_RESPONSE_TO_L663536_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MAYBURD_RESPONSE_TO_L663536_UP	92	0.246406	0.981115	0.483101	1	Decreased Expression with Increasing Exponent
MAYBURD_RESPONSE_TO_L663536_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MAYBURD_RESPONSE_TO_L663536_DN	206	0.182688	0.641552	0.888462	1	Decreased Expression with Increasing Exponent
RODRIGUES_THYROID_CARCINOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RODRIGUES_THYROID_CARCINOMA_UP	32	0.428901	120,304	0.262846	1	Decreased Expression with Increasing Exponent
HAHTOLA_SEZARY_SYNDROM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_SEZARY_SYNDROM_DN	83	0.235405	0.835966	0.654959	1	Decreased Expression with Increasing Exponent
HAHTOLA_MYCOSIS_FUNGOIDES_SKIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_MYCOSIS_FUNGOIDES_SKIN_DN	93	0.2033	0.734676	0.797101	1	Decreased Expression with Increasing Exponent
PROVENZANI_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PROVENZANI_METASTASIS_UP	479	0.155427	0.703567	0.938398	1	Decreased Expression with Increasing Exponent
LIU_CDX2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_CDX2_TARGETS_UP	70	0.363674	124,519	0.180915	1	Decreased Expression with Increasing Exponent
LIU_CDX2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_CDX2_TARGETS_DN	15	0.393117	10,356	0.415507	1	Decreased Expression with Increasing Exponent
KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KOKKINAKIS_METHIONINE_DEPRIVATION_48HR_DN	171	0.226787	0.908241	0.574553	1	Decreased Expression with Increasing Exponent
KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KOKKINAKIS_METHIONINE_DEPRIVATION_96HR_DN	193	0.176703	0.685744	0.857692	1	Decreased Expression with Increasing Exponent
PASTURAL_RIZ1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PASTURAL_RIZ1_TARGETS_UP	20	0.281712	0.779939	0.701375	1	Decreased Expression with Increasing Exponent
CHOW_RASSF1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHOW_RASSF1_TARGETS_DN	61	0.477911	155,794	0.0377358	1	Decreased Expression with Increasing Exponent
YEMELYANOV_GR_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YEMELYANOV_GR_TARGETS_DN	36	0.304339	0.97445	0.474609	1	Decreased Expression with Increasing Exponent
LAU_APOPTOSIS_CDKN2A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LAU_APOPTOSIS_CDKN2A_UP	165	0.21086	0.814322	0.717391	1	Decreased Expression with Increasing Exponent
CASTELLANO_NRAS_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CASTELLANO_NRAS_TARGETS_UP	131	0.207822	0.740488	0.784585	1	Decreased Expression with Increasing Exponent
LINDGREN_BLADDER_CANCER_CLUSTER_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LINDGREN_BLADDER_CANCER_CLUSTER_1_UP	296	0.12575	0.53519	0.997976	1	Decreased Expression with Increasing Exponent
CREIGHTON_AKT1_SIGNALING_VIA_MTOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CREIGHTON_AKT1_SIGNALING_VIA_MTOR_UP	68	0.270919	0.907528	0.579568	1	Decreased Expression with Increasing Exponent
CREIGHTON_AKT1_SIGNALING_VIA_MTOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CREIGHTON_AKT1_SIGNALING_VIA_MTOR_DN	31	0.200271	0.541436	0.935223	1	Decreased Expression with Increasing Exponent
NADERI_BREAST_CANCER_PROGNOSIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NADERI_BREAST_CANCER_PROGNOSIS_UP	90	0.189875	0.607429	0.845574	1	Decreased Expression with Increasing Exponent
VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANHARANTA_UTERINE_FIBROID_WITH_7Q_DELETIO	113	0.201113	0.846085	0.742248	1	Decreased Expression with Increasing Exponent
LANDIS_ERBB2_BREAST_TUMORS_65_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LANDIS_ERBB2_BREAST_TUMORS_65_UP	52	0.241788	0.801375	0.729124	1	Decreased Expression with Increasing Exponent
LANDIS_ERBB2_BREAST_TUMORS_65_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LANDIS_ERBB2_BREAST_TUMORS_65_DN	90	0.202504	0.721459	0.830928	1	Decreased Expression with Increasing Exponent
LANDIS_ERBB2_BREAST_PRENEOPLASTIC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LANDIS_ERBB2_BREAST_PRENEOPLASTIC_DN	110	0.309337	116,588	0.268	1	Decreased Expression with Increasing Exponent

CONCANNON_APOPTOSIS_BY_EPOXOMICIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CONCANNON_APOPTOSIS_BY_EPOXOMICIN_DN	398	0.169857	0.687919	0.9	1	Decreased Expression with Increasing Exponent
ODONNELL_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ODONNELL_METASTASIS_UP	238	0.195606	0.839384	0.736948	1	Decreased Expression with Increasing Exponent
ODONNELL_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ODONNELL_METASTASIS_DN	66	0.417603	156,155	0.0314465	1	Decreased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_D_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_D_DN	18	0.248894	0.697952	0.846311	1	Decreased Expression with Increasing Exponent
GAUSSMANN_MLL_AF4_FUSION_TARGETS_G_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GAUSSMANN_MLL_AF4_FUSION_TARGETS_G_DN	88	0.30471	118,143	0.206061	1	Decreased Expression with Increasing Exponent
OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OUELLET_OVARIAN_CANCER_INVASIVE_VS_LMP_UP	297	0.185559	0.665477	0.875479	1	Decreased Expression with Increasing Exponent
BARRIER_CANCER_RELAPSE_TUMOR_SAMPLE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BARRIER_CANCER_RELAPSE_TUMOR_SAMPLE_UP	32	0.220127	0.54174	0.917865	1	Decreased Expression with Increasing Exponent
BARRIER_CANCER_RELAPSE_TUMOR_SAMPLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BARRIER_CANCER_RELAPSE_TUMOR_SAMPLE_DN	29	0.385511	123,174	0.207243	1	Decreased Expression with Increasing Exponent
BARIS_THYROID_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BARIS_THYROID_CANCER_UP	51	0.425224	141,005	0.101392	1	Decreased Expression with Increasing Exponent
TAKADA_GASTRIC_CANCER_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TAKADA_GASTRIC_CANCER_COPY_NUMBER_UP	28	0.216602	0.628029	0.862348	1	Decreased Expression with Increasing Exponent
TAKADA_GASTRIC_CANCER_COPY_NUMBER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TAKADA_GASTRIC_CANCER_COPY_NUMBER_DN	76	0.264157	0.962089	0.507187	1	Decreased Expression with Increasing Exponent
WANG_BARRETTS_ESOPHAGUS_AND_ESOPHAGUS_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_BARRETTS_ESOPHAGUS_AND_ESOPHAGUS_C/49	49	0.186625	0.585828	0.95	1	Decreased Expression with Increasing Exponent
KERLEY_RESPONSE_TO_CISPLATIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KERLEY_RESPONSE_TO_CISPLATIN_UP	106	0.328069	106,078	0.410204	1	Decreased Expression with Increasing Exponent
MISSIAGLIA_REGULATED_BY_METHYLATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MISSIAGLIA_REGULATED_BY_METHYLATION_DN	264	0.235633	0.695394	0.72	1	Decreased Expression with Increasing Exponent
WANG_BARRETTS_ESOPHAGUS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_BARRETTS_ESOPHAGUS_UP	116	0.195586	0.647267	0.89775	1	Decreased Expression with Increasing Exponent
WANG_BARRETTS_ESOPHAGUS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_BARRETTS_ESOPHAGUS_DN	64	0.233275	0.748728	0.757962	1	Decreased Expression with Increasing Exponent
WANG_ESOPHAGUS_CANCER_VS_NORMAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_ESOPHAGUS_CANCER_VS_NORMAL_DN	246	0.194395	0.830327	0.764092	1	Decreased Expression with Increasing Exponent
ROYLANCE_BREAST_CANCER_16Q_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ROYLANCE_BREAST_CANCER_16Q_COPY_NUMBER_U	128	0.369248	13,475	0.141434	1	Decreased Expression with Increasing Exponent
ROYLANCE_BREAST_CANCER_16Q_COPY_NUMBER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ROYLANCE_BREAST_CANCER_16Q_COPY_NUMBER_DI	72	0.357935	12,149	0.222649	1	Decreased Expression with Increasing Exponent
JOHANSSON_GLIOMAGENESIS_BY_PDGFBD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JOHANSSON_GLIOMAGENESIS_BY_PDGFBD_DN	52	0.135792	0.420182	0.989899	1	Decreased Expression with Increasing Exponent
LUI_THYROID_CANCER_PAX8_PPARG_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LUI_THYROID_CANCER_PAX8_PPARG_UP	149	0.194104	0.855693	0.72	1	Decreased Expression with Increasing Exponent
OUELLET_CULTURED_OVARIAN_CANCER_INVASIVE_VS_LMP_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OUELLET_CULTURED_OVARIAN_CANCER_INVASIVE_V/	162	0.239601	0.870301	0.598826	1	Decreased Expression with Increasing Exponent
HUMMERICH_MALIGNANT_SKIN_TUMOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUMMERICH_MALIGNANT_SKIN_TUMOR_DN	29	0.354549	102,468	0.452381	1	Decreased Expression with Increasing Exponent
LUCAS_HNF4A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LUCAS_HNF4A_TARGETS_UP	139	0.2807	102,353	0.432271	1	Decreased Expression with Increasing Exponent
ZIRN_TRETINOIN_RESPONSE_WT1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZIRN_TRETINOIN_RESPONSE_WT1_DN	16	0.248468	0.673967	0.878968	1	Decreased Expression with Increasing Exponent
STREICHER_LSM1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STREICHER_LSM1_TARGETS_DN	45	0.232121	0.735523	0.81	1	Decreased Expression with Increasing Exponent
BUSA_SAM68_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BUSA_SAM68_TARGETS_UP	25	0.296477	0.878392	0.608961	1	Decreased Expression with Increasing Exponent
MCBRYAN_TERMINAL_END_BUD_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCBRYAN_TERMINAL_END_BUD_UP	34	0.256209	0.743882	0.740668	1	Decreased Expression with Increasing Exponent
MCBRYAN_TERMINAL_END_BUD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MCBRYAN_TERMINAL_END_BUD_DN	51	0.267726	0.78066	0.705765	1	Decreased Expression with Increasing Exponent
DARWICHE_SKIN_TUMOR_PROMOTER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_SKIN_TUMOR_PROMOTER_DN	475	0.242381	1,204	0.128773	1	Decreased Expression with Increasing Exponent
DARWICHE_PAPILLOMA_RISK_LOW_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_PAPILLOMA_RISK_LOW_DN	430	0.199609	0.97108	0.529762	1	Decreased Expression with Increasing Exponent
DARWICHE_PAPILLOMA_RISK_HIGH_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_PAPILLOMA_RISK_HIGH_DN	447	0.227766	110,256	0.25498	1	Decreased Expression with Increasing Exponent
DARWICHE_SQUAMOUS_CELL_CARCINOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_SQUAMOUS_CELL_CARCINOMA_DN	452	0.228475	113,992	0.208333	1	Decreased Expression with Increasing Exponent
CORRADETTI_MTOR_PATHWAY_REGULATORS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CORRADETTI_MTOR_PATHWAY_REGULATORS_DN	22	0.392518	101,017	0.469667	1	Decreased Expression with Increasing Exponent
HU_ANGIOGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HU_ANGIOGENESIS_UP	47	0.325081	112,915	0.321569	1	Decreased Expression with Increasing Exponent
HU_ANGIOGENESIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HU_ANGIOGENESIS_DN	86	0.275163	0.948331	0.506667	1	Decreased Expression with Increasing Exponent
SHIRAISHI_PLZF_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SHIRAISHI_PLZF_TARGETS_UP	21	0.211962	0.557915	0.941176	1	Decreased Expression with Increasing Exponent
MOTAMED_RESPONSE_TO_ANDROGEN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MOTAMED_RESPONSE_TO_ANDROGEN_UP	22	0.202101	0.536023	0.935223	1	Decreased Expression with Increasing Exponent
RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_SMAD4_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RAMJAUN_APOPTOSIS_BY_TGFB1_VIA_SMAD4_DN	21	0.349811	104,186	0.418699	1	Decreased Expression with Increasing Exponent
CHOI_ATL_ACUTE_STAGE	http://www.broadinstitute.org/gsea/msigdb/cards/CHOI_ATL_ACUTE_STAGE	20	0.31041	0.825068	0.65	1	Decreased Expression with Increasing Exponent
CHOI_ATL_STAGE_PREDICTOR	http://www.broadinstitute.org/gsea/msigdb/cards/CHOI_ATL_STAGE_PREDICTOR	106	0.194969	0.735593	0.85119	1	Decreased Expression with Increasing Exponent
WONG_ENDOMETRIAL_CANCER_LATE	http://www.broadinstitute.org/gsea/msigdb/cards/WONG_ENDOMETRIAL_CANCER_LATE	66	0.231506	0.700951	0.789474	1	Decreased Expression with Increasing Exponent
TANAKA_METHYLATED_IN_ESOPHAGEAL_CARCINOMA	http://www.broadinstitute.org/gsea/msigdb/cards/TANAKA_METHYLATED_IN_ESOPHAGEAL_CARCINOM/	213	0.233372	106,797	0.324	1	Decreased Expression with Increasing Exponent
EGUCHI_CELL_CYCLE_RB1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/EGUCHI_CELL_CYCLE_RB1_TARGETS	47	0.308809	0.664604	0.756592	1	Decreased Expression with Increasing Exponent
IVANOV_MUTATED_IN_COLON_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/IVANOV_MUTATED_IN_COLON_CANCER	40	0.375833	116,005	0.290598	1	Decreased Expression with Increasing Exponent
LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LASTOWSKA_NEUROBLASTOMA_COPY_NUMBER_UP	467	0.262917	101,446	0.407336	1	Decreased Expression with Increasing Exponent
MUELLER_METHYLATED_IN_GLIOMASTOMA	http://www.broadinstitute.org/gsea/msigdb/cards/MUELLER_METHYLATED_IN_GLIOMASTOMA	69	0.269352	0.842125	0.641129	1	Decreased Expression with Increasing Exponent
WAKASUGI_HAVE_ZNF143_BINDING_SITES	http://www.broadinstitute.org/gsea/msigdb/cards/WAKASUGI_HAVE_ZNF143_BINDING_SITES	138	0.216629	0.710541	0.77027	1	Decreased Expression with Increasing Exponent
DACOSTA_UV_RESPONSE_VIA_ERCC3_TTD_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_UV_RESPONSE_VIA_ERCC3_TTD_UP	176	0.182557	0.732827	0.864646	1	Decreased Expression with Increasing Exponent
TURJANSKI_MAPK14_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/TURJANSKI_MAPK14_TARGETS	27	0.320809	0.97335	0.484725	1	Decreased Expression with Increasing Exponent
APIERTO_RESPONSE_TO_FENRETINIDE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/APIERTO_RESPONSE_TO_FENRETINIDE_DN	136	0.244543	0.974622	0.496047	1	Decreased Expression with Increasing Exponent
NAGY_TFTC_COMPONENTS_HUMAN	http://www.broadinstitute.org/gsea/msigdb/cards/NAGY_TFTC_COMPONENTS_HUMAN	39	0.27425	0.854285	0.621118	1	Decreased Expression with Increasing Exponent
NAGY_STAGA_COMPONENTS_HUMAN	http://www.broadinstitute.org/gsea/msigdb/cards/NAGY_STAGA_COMPONENTS_HUMAN	32	0.206201	0.650942	0.908907	1	Decreased Expression with Increasing Exponent
NAGY_PCAF_COMPONENTS_HUMAN	http://www.broadinstitute.org/gsea/msigdb/cards/NAGY_PCAF_COMPONENTS_HUMAN	19	0.460194	138,999	0.110266	1	Decreased Expression with Increasing Exponent
SEIDEN_MET_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/SEIDEN_MET_SIGNALING	61	0.193871	0.605471	0.905405	1	Decreased Expression with Increasing Exponent
AUNG_GASTRIC_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/AUNG_GASTRIC_CANCER	116	0.211262	0.880883	0.668699	1	Decreased Expression with Increasing Exponent
NAKAMURA_LUNG_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_LUNG_CANCER	17	0.272922	0.623661	0.848178	1	Decreased Expression with Increasing Exponent
MATHEW_FANCONI_ANEMIA_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/MATHEW_FANCONI_ANEMIA_GENES	28	0.270735	0.664757	0.777778	1	Decreased Expression with Increasing Exponent
SCHEIDERIT_IKK_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SCHEIDERIT_IKK_TARGETS	64	0.224653	0.8472	0.688235	1	Decreased Expression with Increasing Exponent
ROVERSI_GLIOMA_COPY_NUMBER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ROVERSI_GLIOMA_COPY_NUMBER_DN	149	0.234418	0.91216	0.563636	1	Decreased Expression with Increasing Exponent
ROVERSI_GUOMA_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ROVERSI_GLIOMA_COPY_NUMBER_UP	204	0.189611	0.757588	0.814516	1	Decreased Expression with Increasing Exponent
AIGNER_ZEB1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/AIGNER_ZEB1_TARGETS	94	0.194242	0.745659	0.831643	1	Decreased Expression with Increasing Exponent
LASTOWSKA_COAMPLIFIED_WITH_MYCN	http://www.broadinstitute.org/gsea/msigdb/cards/LASTOWSKA_COAMPLIFIED_WITH_MYCN	88	0.402639	126,319	0.211813	1	Decreased Expression with Increasing Exponent
NAKAMURA_LUNG_CANCER_DIFFERENTIATION_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAMURA_LUNG_CANCER_DIFFERENTIATION_MARI	33	0.201013	0.579629	0.946058	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_27	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_27	33	0.223126	0.685714	0.855984	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_15	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_15	27	0.284087	0.797317	0.713987	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_29	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_29	34	0.389906	107,681	0.397566	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_9	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_9	30	0.272637	0.721007	0.740042	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_16	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_16	24	0.348561	0.894009	0.572632	1	Decreased Expression with Increasing Exponent
EBAUER_TARGETS_OF_PAX3_FOXP01_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/EBAUER_TARGETS_OF_PAX3_FOXP01_FUSION_DN	132	0.233057	0.976137	0.481405	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_3	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_3	23	0.535366	129,661	0.214724	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_6	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_6	16	0.652772	144,528	0.0982987	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_12	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_12	40	0.31826	0.903549	0.582485	1	Decreased Expression with Increasing Exponent
MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_5	http://www.broadinstitute.org/gsea/msigdb/cards/MYLLYKANGAS_AMPLIFICATION_HOT_SPOT_5	25	0.409509	106,123	0.419753	1	Decreased Expression with Increasing Exponent
SCHLOSSER_MYC_TARGETS_REPRESSED_BY_SERUM	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLOSSER_MYC_TARGETS_REPRESSED_BY_SERUM	426	0.174486	0.648962	0.912281	1	Decreased Expression with Increasing Exponent
SCHLOSSER_MYC_TARGETS_AND_SERUM_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLOSSER_MYC_TARGETS_AND_SERUM_RESPONSE_DN	101	0.23679	0.783706	0.716505	1	Decreased Expression with Increasing Exponent
FARMER_BREAST_CANCER_CLUSTER_1	http://www.broadinstitute.org/gsea/msigdb/cards/FARMER_BREAST_CANCER_CLUSTER_1	113	0.152664	0.433401	0.971717	1	Decreased Expression with Increasing Exponent
FARMER_BREAST_CANCER_CLUSTER_7	http://www.broadinstitute.org/gsea/msigdb/cards/FARMER_BREAST_CANCER_CLUSTER_7	43	0.301369	0.992438	0.468045	1	Decreased Expression with Increasing Exponent
FARMER_BREAST_CANCER_CLUSTER_2	http://www.broadinstitute.org/gsea/msigdb/cards/FARMER_BREAST_CANCER_CLUSTER_2	63	0.524424	119,818	0.36699	1	Decreased Expression with Increasing Exponent
ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER	http://www.broadinstitute.org/gsea/msigdb/cards/ROSTY_CERVICAL_CANCER_PROLIFERATION_CLUSTER	271	0.291241	0.721727	0.661509	1	Decreased Expression with Increasing Exponent
JAERVINEN_AMPLIFIED_IN_LARYNGEAL_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/JAERVINEN_AMPLIFIED_IN_LARYNGEAL_CANCER	80	0.322663	129,043	0.115768	1	Decreased Expression with Increasing Exponent
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_4NM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_4N	51	0.347818	108,487	0.337423	1	Decreased Expression with Increasing Exponent
HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_4NM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HERNANDEZ_ABERRANT_MITOSIS_BY_DOCETACEL_4N	18	0.420158	117,664	0.242739	1	Decreased Expression with Increasing Exponent
HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HERNANDEZ_MITOTIC_ARREST_BY_DOCETAXEL_1_UP	115	0.232216	0.887683	0.636364	1	Decreased Expression with Increasing Exponent
XU_AKT1_TARGETS_48HR	http://www.broadinstitute.org/gsea/msigdb/cards/XU_AKT1_TARGETS_48HR	26	0.299918	0.922207	0.543933	1	Decreased Expression with Increasing Exponent
WAESCH_ANAPHASE_PROMOTING_COMPLEX	http://www.broadinstitute.org/gsea/msigdb/cards/WAESCH_ANAPHASE_PROMOTING_COMPLEX	29	0.238651	0.741875	0.797571	1	Decreased Expression with Increasing Exponent
SILIGAN_BOUND_BY_EWS_FLT1_FUSION	http://www.broadinstitute.org/gsea/msigdb/cards/SILIGAN_BOUND_BY_EWS_FLT1_FUSION	136	0.223207	0.91899	0.584	1	Decreased Expression with Increasing Exponent
KORKOLA_EMBRYONAL_CARCINOMA	http://www.broadinstitute.org/gsea/msigdb/cards/KORKOLA_EMBRYONAL_CARCINOMA	24	0.492938	132,318	0.195473	1	Decreased Expression with Increasing Exponent
TERAMOTO_OPN_TARGETS_CLUSTER_1	http://www.broadinstitute.org/gsea/msigdb/cards/TERAMOTO_OPN_TARGETS_CLUSTER_1	32	0.300658	0.957683	0.518812	1	Decreased Expression with Increasing Exponent
TERAMOTO_OPN_TARGETS_CLUSTER_5	http://www.broadinstitute.org/gsea/msigdb/cards/TERAMOTO_OPN_TARGETS_CLUSTER_5	27	0.200615	0.610621	0.930693	1	Decreased Expression with Increasing Exponent
TERAMOTO_OPN_TARGETS_CLUSTER_6	http://www.broadinstitute.org/gsea/msigdb/cards/TERAMOTO_OPN_TARGETS_CLUSTER_6	57	0.277962	0.929212	0.562863	1	Decreased Expression with Increasing Exponent
TERAMOTO_OPN_TARGETS_CLUSTER_8	http://www.broadinstitute.org/gsea/msigdb/cards/TERAMOTO_OPN_TARGETS_CLUSTER_8	16	0.238044	0.627571	0.857955	1	Decreased Expression with Increasing Exponent
SCHRAMM_INHBA_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHRAMM_INHBA_TARGETS_UP	17	0.210911	0.483532	0.953629	1	Decreased Expression with Increasing Exponent
SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELETION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SEITZ_NEOPLASTIC_TRANSFORMATION_BY_8P_DELET	63	0.301314	12,126	0.17505	1	Decreased Expression with Increasing Exponent
YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP100_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP	223	0.180368	0.813517	0.833333	1	Decreased Expression with Increasing Exponent
YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP100_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YORDY_RECIPROCAL_REGULATION_BY_ETS1_AND_SP	64	0.216212	0.784967	0.78719	1	Decreased Expression with Increasing Exponent
MEINHOLD_OVARIAN_CANCER_LOW_GRADE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MEINHOLD_OVARIAN_CANCER_LOW_GRADE_UP	49	0.323058	106,754	0.389344	1	Decreased Expression with Increasing Exponent
MEINHOLD_OVARIAN_CANCER_LOW_GRADE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MEINHOLD_OVARIAN_CANCER_LOW_GRADE_DN	59	0.219269	0.67363	0.863905	1	Decreased Expression with Increasing Exponent

HEIDENBLAD_AMPLICON_8Q24_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HEIDENBLAD_AMPLICON_8Q24_UP	95	0.185741	0.738251	0.86785	1	Decreased Expression with Increasing Exponent
HEIDENBLAD_AMPLICON_12P11_12_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HEIDENBLAD_AMPLICON_12P11_12_UP	80	0.327127	122,514	0.193277	1	Decreased Expression with Increasing Exponent
MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARTORIATI_MDM4_TARGETS_NEUROEPITHELIUM_L	428	0.180542	0.790652	0.766467	1	Decreased Expression with Increasing Exponent
MANN_RESPONSE_TO_AMIFOSTINE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MANN_RESPONSE_TO_AMIFOSTINE_DN	26	0.347869	0.91749	0.539347	1	Decreased Expression with Increasing Exponent
DARWICHE_PAPILLOMA_RISK_HIGH_VS_LOW_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DARWICHE_PAPILLOMA_RISK_HIGH_VS_LOW_DN	103	0.274904	105,878	0.378906	1	Decreased Expression with Increasing Exponent
OXFORD_RALA_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OXFORD_RALA_TARGETS_DN	24	0.337412	100,914	0.442387	1	Decreased Expression with Increasing Exponent
OXFORD_RALB_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OXFORD_RALB_TARGETS_DN	26	0.259921	0.783174	0.724206	1	Decreased Expression with Increasing Exponent
OXFORD_RALA_AND_RALB_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OXFORD_RALA_AND_RALB_TARGETS_UP	20	0.302844	0.857577	0.668008	1	Decreased Expression with Increasing Exponent
OXFORD_RALA_OR_RALB_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/OXFORD_RALA_OR_RALB_TARGETS_UP	110	0.158429	0.4403	0.928571	1	Decreased Expression with Increasing Exponent
LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LIEN_BREAST_CARCINOMA_METAPLASTIC_VS_DUCTA	225	0.274205	107,251	0.342159	1	Decreased Expression with Increasing Exponent
MOHANKUMAR_TLX1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MOHANKUMAR_TLX1_TARGETS_DN	454	0.16409	0.776318	0.919679	1	Decreased Expression with Increasing Exponent
DAWSON_METHYLATED_IN_LYMPHOMA_TCL1	http://www.broadinstitute.org/gsea/msigdb/cards/DAWSON_METHYLATED_IN_LYMPHOMA_TCL1	149	0.252634	103,068	0.409369	1	Decreased Expression with Increasing Exponent
WIEMANN_TELOMERE_SHORTENING_AND_CHRONIC_LIVER_DAMAGE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WIEMANN_TELOMERE_SHORTENING_AND_CHRONIC_	17	0.308389	0.833337	0.666667	1	Decreased Expression with Increasing Exponent
JAZAG_TGFB1_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JAZAG_TGFB1_SIGNALING_DN	75	0.325347	127,591	0.147239	1	Decreased Expression with Increasing Exponent
LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LI_WILMS_TUMOR_VS_FETAL_KIDNEY_2_UP	94	0.190513	0.613353	0.885081	1	Decreased Expression with Increasing Exponent
INAMURA_LUNG_CANCER_SCC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/INAMURA_LUNG_CANCER_SCC_UP	31	0.279498	0.889419	0.609375	1	Decreased Expression with Increasing Exponent
KIM_MYC_AMPLIFICATION_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_MYC_AMPLIFICATION_TARGETS_UP	467	0.193231	0.846902	0.697856	1	Decreased Expression with Increasing Exponent
KIM_MYCL1_AMPLIFICATION_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_MYCL1_AMPLIFICATION_TARGETS_UP	24	0.227861	0.579716	0.871227	1	Decreased Expression with Increasing Exponent
YANG_BREAST_CANCER_ESR1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_BREAST_CANCER_ESR1_UP	110	0.426185	169,681	0.00382409	1	Decreased Expression with Increasing Exponent
YANG_BREAST_CANCER_ESR1_LASER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_BREAST_CANCER_ESR1_LASER_UP	84	0.344465	1,324	0.103922	1	Decreased Expression with Increasing Exponent
SEMBA_FHIT_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SEMBA_FHIT_TARGETS_DN	29	0.348515	0.831819	0.621302	1	Decreased Expression with Increasing Exponent
SHANK_TALL1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SHANK_TALL1_TARGETS_DN	30	0.218203	0.638887	0.887814	1	Decreased Expression with Increasing Exponent
HATADA_METHYLATED_IN_LUNG_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HATADA_METHYLATED_IN_LUNG_CANCER_DN	76	0.225039	0.813952	0.698347	1	Decreased Expression with Increasing Exponent
CALVET_IRINOTECAN_SENSITIVE_VS_RESISTANT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CALVET_IRINOTECAN_SENSITIVE_VS_RESISTANT_UP	19	0.288807	0.774633	0.7251	1	Decreased Expression with Increasing Exponent
CALVET_IRINOTECAN_SENSITIVE_VS_REVERTED_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CALVET_IRINOTECAN_SENSITIVE_VS_REVERTED_UP	15	0.200598	0.514183	0.964215	1	Decreased Expression with Increasing Exponent
FURUKAWA_DUSP6_TARGETS_PCI35_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FURUKAWA_DUSP6_TARGETS_PCI35_DN	133	0.18448	0.567976	0.847195	1	Decreased Expression with Increasing Exponent
SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM2	http://www.broadinstitute.org/gsea/msigdb/cards/SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM2	362	0.173764	0.784451	0.835671	1	Decreased Expression with Increasing Exponent
SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM3	http://www.broadinstitute.org/gsea/msigdb/cards/SHETH_LIVER_CANCER_VS_TXNIP_LOSS_PAM3	152	0.191482	0.811323	0.783838	1	Decreased Expression with Increasing Exponent
TOMLINS_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TOMLINS_METASTASIS_DN	60	0.221066	0.74241	0.771429	1	Decreased Expression with Increasing Exponent
LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE_VS_TINY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_LARGE	96	0.178873	0.604225	0.925856	1	Decreased Expression with Increasing Exponent
LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_SMALL_VS_HUGE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_SMALL	114	0.25352	0.985969	0.474903	1	Decreased Expression with Increasing Exponent
SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_2FC_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SPIELMAN_LYMPHOBLAST_EUROPEAN_VS_ASIAN_2FC	31	0.447374	149,227	0.0566406	1	Decreased Expression with Increasing Exponent
DIERICK_SEROTONIN_FUNCTION_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/DIERICK_SEROTONIN_FUNCTION_GENES	20	0.281259	0.780707	0.756813	1	Decreased Expression with Increasing Exponent
SCHLESINGER_METHYLATED_IN_COLON_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLESINGER_METHYLATED_IN_COLON_CANCER	21	0.373131	0.986599	0.483871	1	Decreased Expression with Increasing Exponent
JIANG_CORE_DUPLICATION_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/JIANG_CORE_DUPLICATION_GENES	27	0.315337	0.791269	0.674227	1	Decreased Expression with Increasing Exponent
PUJANA_XPRSS_INT_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/PUJANA_XPRSS_INT_NETWORK	456	0.170754	0.511003	0.881553	1	Decreased Expression with Increasing Exponent
PUJANA_BRCA_CENTERED_NETWORK	http://www.broadinstitute.org/gsea/msigdb/cards/PUJANA_BRCA_CENTERED_NETWORK	294	0.19007	0.569404	0.852713	1	Decreased Expression with Increasing Exponent
GOERING_BLOOD_HDL_CHOLESTEROL_QTL_CIS	http://www.broadinstitute.org/gsea/msigdb/cards/GOERING_BLOOD_HDL_CHOLESTEROL_QTL_CIS	33	0.40879	127,081	0.182711	1	Decreased Expression with Increasing Exponent
GOERING_BLOOD_HDL_CHOLESTEROL_QTL_TRANS	http://www.broadinstitute.org/gsea/msigdb/cards/GOERING_BLOOD_HDL_CHOLESTEROL_QTL_TRANS	21	0.472995	12,534	0.231969	1	Decreased Expression with Increasing Exponent
KHETCHOUMIAN_TRIM24_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KHETCHOUMIAN_TRIM24_TARGETS_DN	21	0.475305	122,688	0.244821	1	Decreased Expression with Increasing Exponent
OHM_METHYLATED_IN_ADULT_CANCERS	http://www.broadinstitute.org/gsea/msigdb/cards/OHM_METHYLATED_IN_ADULT_CANCERS	74	0.366872	133,957	0.119588	1	Decreased Expression with Increasing Exponent
ALCALA_APOPTOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/ALCALA_APOPTOSIS	217	0.201919	0.807183	0.722441	1	Decreased Expression with Increasing Exponent
COWLING_MYCN_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/COWLING_MYCN_TARGETS	90	0.189565	0.662483	0.905242	1	Decreased Expression with Increasing Exponent
OZEN_MIR125B1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/OZEN_MIR125B1_TARGETS	67	0.231605	0.827	0.684631	1	Decreased Expression with Increasing Exponent
KAUFFMANN_MELANOMA_RELAPSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KAUFFMANN_MELANOMA_RELAPSE_UP	142	0.402549	11,183	0.378846	1	Decreased Expression with Increasing Exponent
WILLIAMS_ESR1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WILLIAMS_ESR1_TARGETS_UP	53	0.210955	0.706517	0.828921	1	Decreased Expression with Increasing Exponent
WILLIAMS_ESR2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WILLIAMS_ESR2_TARGETS_UP	62	0.20981	0.772956	0.767932	1	Decreased Expression with Increasing Exponent
GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GROSS_HYPOXIA_VIA_ELK3_AND_HIF1A_DN	278	0.166211	0.704483	0.927711	1	Decreased Expression with Increasing Exponent
MANTOVANI_VIRAL_GPCR_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MANTOVANI_VIRAL_GPCR_SIGNALING_DN	107	0.273138	114,972	0.217923	1	Decreased Expression with Increasing Exponent
FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FERREIRA_EWINGS_SARCOMA_UNSTABLE_VS_STABLE	222	0.203745	0.856731	0.721212	1	Decreased Expression with Increasing Exponent
LOPEZ_MBD_TARGETS_IMPRINTED_AND_X_LINKED	http://www.broadinstitute.org/gsea/msigdb/cards/LOPEZ_MBD_TARGETS_IMPRINTED_AND_X_LINKED	43	0.36042	121,493	0.231358	1	Decreased Expression with Increasing Exponent
LIU_BREAST_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_BREAST_CANCER	93	0.238303	0.960048	0.51134	1	Decreased Expression with Increasing Exponent
LIU_COMMON_CANCER_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/LIU_COMMON_CANCER_GENES	255	0.165964	0.631164	0.898	1	Decreased Expression with Increasing Exponent
LOCKWOOD_AMPLIFIED_IN_LUNG_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/LOCKWOOD_AMPLIFIED_IN_LUNG_CANCER	496	0.147266	0.6283	0.989837	1	Decreased Expression with Increasing Exponent
HASEGAWA_TUMORIGENESIS_BY_RET_C634R	http://www.broadinstitute.org/gsea/msigdb/cards/HASEGAWA_TUMORIGENESIS_BY_RET_C634R	22	0.475736	13,748	0.0971074	1	Decreased Expression with Increasing Exponent
SCIAN_CELL_CYCLE_TARGETS_OF_TP53_AND_TP73_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCIAN_CELL_CYCLE_TARGETS_OF_TP53_AND_TP73_D	48	0.263973	0.627136	0.75	1	Decreased Expression with Increasing Exponent
SCIAN_INVERSED_TARGETS_OF_TP53_AND_TP73_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCIAN_INVERSED_TARGETS_OF_TP53_AND_TP73_UP	24	0.420854	120,234	0.238866	1	Decreased Expression with Increasing Exponent
GUENTHER_GROWTH_SPHERICAL_VS_ADHERENT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GUENTHER_GROWTH_SPHERICAL_VS_ADHERENT_UP	42	0.400568	0.931784	0.553232	1	Decreased Expression with Increasing Exponent
SCHWAB_TARGETS_OF_BMYB_POLYMORPHIC_VARIANTS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHWAB_TARGETS_OF_BMYB_POLYMORPHIC_VARIAN	5	0.24156	0.868343	0.653226	1	Decreased Expression with Increasing Exponent
GOUYER_TATI_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GOUYER_TATI_TARGETS_UP	23	0.2257	0.601903	0.891348	1	Decreased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_DN	72	0.254969	0.724494	0.717602	1	Decreased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_8HR_5_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_8HR_5_DN	32	0.259022	0.695501	0.796443	1	Decreased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_8HR_3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_8HR_3_UP	18	0.361813	0.94676	0.527831	1	Decreased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_24HR_3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_24HR_3_DN	32	0.274515	0.831242	0.689379	1	Decreased Expression with Increasing Exponent
CAFFAREL_RESPONSE_TO_THC_24HR_5_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CAFFAREL_RESPONSE_TO_THC_24HR_5_DN	155	0.187729	0.716074	0.820809	1	Decreased Expression with Increasing Exponent
BERTUCCI_INVASIVE_CARCINOMA_DUCTAL_VS_LOBULAR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BERTUCCI_INVASIVE_CARCINOMA_DUCTAL_VS_LOB	68	0.245554	0.911382	0.589099	1	Decreased Expression with Increasing Exponent
FUJIWARA_PARK2_HEPATOCYTE_PROLIFERATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FUJIWARA_PARK2_HEPATOCYTE_PROLIFERATION_UP	22	0.18305	0.526803	0.961382	1	Decreased Expression with Increasing Exponent
GARCIA_TARGETS_OF_FL11_AND_DAX1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GARCIA_TARGETS_OF_FL11_AND_DAX1_DN	407	0.163763	0.627147	0.913894	1	Decreased Expression with Increasing Exponent
RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MODERATELY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_TUMOR_DIFFERENTIATED_WELL_VS_MOD	262	0.2065	0.854259	0.673428	1	Decreased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER	33	0.228502	0.710201	0.802248	1	Decreased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER	23	0.360118	100,781	0.442424	1	Decreased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX4_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER	46	0.246508	0.736399	0.763265	1	Decreased Expression with Increasing Exponent
SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER_BOX5_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHAEFFER_PROSTATE_DEVELOPMENT_AND_CANCER	29	0.208988	0.558687	0.924303	1	Decreased Expression with Increasing Exponent
RICKMAN_HEAD_AND_NECK_CANCER_A	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_HEAD_AND_NECK_CANCER_A	216	0.241857	100,479	0.428295	1	Decreased Expression with Increasing Exponent
RICKMAN_HEAD_AND_NECK_CANCER_D	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_HEAD_AND_NECK_CANCER_D	111	0.286652	0.914428	0.54251	1	Decreased Expression with Increasing Exponent
RICKMAN_HEAD_AND_NECK_CANCER_E	http://www.broadinstitute.org/gsea/msigdb/cards/RICKMAN_HEAD_AND_NECK_CANCER_E	188	0.230917	0.880147	0.642857	1	Decreased Expression with Increasing Exponent
TAGHAVI_NEOPLASTIC_TRANSFORMATION	http://www.broadinstitute.org/gsea/msigdb/cards/TAGHAVI_NEOPLASTIC_TRANSFORMATION	35	0.2168	0.690274	0.852083	1	Decreased Expression with Increasing Exponent
COLIN_PILOCYTIC_ASTROCYTOMA_VS_GLIOBLASTOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/COLIN_PILOCYTIC_ASTROCYTOMA_VS_GLIOBLASTOM	82	0.277061	0.898366	0.567829	1	Decreased Expression with Increasing Exponent
HE_PTEN_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HE_PTEN_TARGETS_UP	58	0.226642	0.729788	0.794411	1	Decreased Expression with Increasing Exponent
DEN_INTERACT_WITH_LCA5	http://www.broadinstitute.org/gsea/msigdb/cards/DEN_INTERACT_WITH_LCA5	80	0.244966	0.761959	0.717842	1	Decreased Expression with Increasing Exponent
BENPORATH_ES_2	http://www.broadinstitute.org/gsea/msigdb/cards/BENPORATH_ES_2	79	0.295641	100,262	0.448485	1	Decreased Expression with Increasing Exponent
BENPORATH_PROLIFERATION	http://www.broadinstitute.org/gsea/msigdb/cards/BENPORATH_PROLIFERATION	326	0.161806	0.499382	0.912621	1	Decreased Expression with Increasing Exponent
STARK_HYPPOCAMPUS_22Q11_DELETION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/STARK_HYPPOCAMPUS_22Q11_DELETION_UP	149	0.177363	0.706466	0.868263	1	Decreased Expression with Increasing Exponent
BENPORATH_ES_CORE_NINE	http://www.broadinstitute.org/gsea/msigdb/cards/BENPORATH_ES_CORE_NINE	21	0.225624	0.594536	0.906375	1	Decreased Expression with Increasing Exponent
PETRETTO_HEART_MASS_QTL_CIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PETRETTO_HEART_MASS_QTL_CIS_UP	58	0.196806	0.708605	0.893145	1	Decreased Expression with Increasing Exponent
PETRETTO_LEFT_VENTRICLE_MASS_QTL_CIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PETRETTO_LEFT_VENTRICLE_MASS_QTL_CIS_DN	19	0.281029	0.836507	0.689655	1	Decreased Expression with Increasing Exponent
AMIT_EGF_RESPONSE_120_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_EGF_RESPONSE_120_MCF10A	115	0.169134	0.615395	0.926	1	Decreased Expression with Increasing Exponent
AMIT_SERUM_RESPONSE_480_MCF10A	http://www.broadinstitute.org/gsea/msigdb/cards/AMIT_SERUM_RESPONSE_480_MCF10A	85	0.29811	107,203	0.368313	1	Decreased Expression with Increasing Exponent
SAKAI_TUMOR_INFILTRATING_MONOCYTES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SAKAI_TUMOR_INFILTRATING_MONOCYTES_DN	214	0.168677	0.632325	0.938247	1	Decreased Expression with Increasing Exponent
SAKAI_CHRONIC_HEPATITIS_VS_LIVER_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SAKAI_CHRONIC_HEPATITIS_VS_LIVER_CANCER_DN	98	0.255918	0.966257	0.504098	1	Decreased Expression with Increasing Exponent
SUNG_METASTASIS_STROMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SUNG_METASTASIS_STROMA_DN	110	0.192596	0.691345	0.847358	1	Decreased Expression with Increasing Exponent
SHIN_B_CELL_LYMPHOMA_CLUSTER_1	http://www.broadinstitute.org/gsea/msigdb/cards/SHIN_B_CELL_LYMPHOMA_CLUSTER_1	23	0.303589	0.928339	0.529774	1	Decreased Expression with Increasing Exponent
ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_RESPONSE_TO_IKK_INHIBITOR_AND_TNF_DN	288	0.184043	0.786863	0.809249	1	Decreased Expression with Increasing Exponent
MORI_LARGE_PRE_BII_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_LARGE_PRE_BII_LYMPHOCYTE_UP	210	0.170204	0.475951	0.897485	1	Decreased Expression with Increasing Exponent
MORI_IMMATURE_B_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_IMMATURE_B_LYMPHOCYTE_DN	204	0.165127	0.449018	0.902486	1	Decreased Expression with Increasing Exponent
MORI_MATURE_B_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_MATURE_B_LYMPHOCYTE_DN	169	0.211968	0.750168	0.731898	1	Decreased Expression with Increasing Exponent
MORI_EMU_MYC_LYMPHOMA_BY_ONSET_TIME_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MORI_EMU_MYC_LYMPHOMA_BY_ONSET_TIME_UP	264	0.205651	0.762333	0.737443	1	Decreased Expression with Increasing Exponent
COLLIS_PRKDC_SUBSTRATES	http://www.broadinstitute.org/gsea/msigdb/cards/COLLIS_PRKDC_SUBSTRATES	89	0.227968	0.913103	0.595238	1	Decreased Expression with Increasing Exponent

LEE_TARGETS_OF_PTCH1_AND_SUFU_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_TARGETS_OF_PTCH1_AND_SUFU_UP	116	0.161063	0.588055	0.968254	1	Decreased Expression with Increasing Exponent
KAUFFMANN_DNA_REPLICATION_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/KAUFFMANN_DNA_REPLICATION_GENES	362	0.236471	0.902954	0.55773	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_1Q21_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_1Q21_AMPLICON	60	0.236253	0.719922	0.709877	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_5P15_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_5P15_AMPLICON	44	0.476502	138,936	0.129817	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_7P22_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_7P22_AMPLICON	100	0.399484	122,451	0.24187	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_7P15_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_7P15_AMPLICON	18	0.558086	105,757	0.473077	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_8P12_P11_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_8P12_P11_AMPLICON	130	0.352697	121,078	0.262397	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_8Q12_Q22_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_8Q12_Q22_AMPLICON	289	0.336863	110,835	0.380342	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_8Q23_Q24_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_8Q23_Q24_AMPLICON	293	0.408937	148,589	0.0549451	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_10Q22_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_10Q22_AMPLICON	18	0.24954	0.557804	0.872917	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_11Q12_Q14_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_11Q12_Q14_AMPLICON	308	0.230216	0.931192	0.516068	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_12Q24_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_12Q24_AMPLICON	33	0.283214	0.886195	0.599609	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_15Q26_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_15Q26_AMPLICON	52	0.257747	0.821582	0.677551	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_16P13_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_16P13_AMPLICON	215	0.315673	114,576	0.280392	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_16Q24_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_16Q24_AMPLICON	115	0.342169	120,709	0.246964	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_17P11_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_17P11_AMPLICON	20	0.317368	0.720855	0.735178	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_20Q11_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_20Q11_AMPLICON	62	0.447854	116,469	0.331992	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_20Q12_Q13_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_20Q12_Q13_AMPLICON	305	0.364364	123,538	0.26572	1	Decreased Expression with Increasing Exponent
NIKOLSKY_BREAST_CANCER_21Q22_AMPLICON	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_BREAST_CANCER_21Q22_AMPLICON	63	0.269832	0.899878	0.568273	1	Decreased Expression with Increasing Exponent
NIKOLSKY_MUTATED_AND_AMPLIFIED_IN_BREAST_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_MUTATED_AND_AMPLIFIED_IN_BREAST_C	220	0.168817	0.790495	0.907328	1	Decreased Expression with Increasing Exponent
WHITEHURST_PACLITAXEL_SENSITIVITY	http://www.broadinstitute.org/gsea/msigdb/cards/WHITEHURST_PACLITAXEL_SENSITIVITY	75	0.243609	0.941315	0.518962	1	Decreased Expression with Increasing Exponent
DING_LUNG_CANCER_MUTATED_SIGNIFICANTLY	http://www.broadinstitute.org/gsea/msigdb/cards/DING_LUNG_CANCER_MUTATED_SIGNIFICANTLY	103	0.25634	0.934262	0.518072	1	Decreased Expression with Increasing Exponent
DING_LUNG_CANCER_MUTATED_FREQUENTLY	http://www.broadinstitute.org/gsea/msigdb/cards/DING_LUNG_CANCER_MUTATED_FREQUENTLY	44	0.192836	0.587744	0.923554	1	Decreased Expression with Increasing Exponent
DING_LUNG_CANCER_EXPRESSION_BY_COPY_NUMBER	http://www.broadinstitute.org/gsea/msigdb/cards/DING_LUNG_CANCER_EXPRESSION_BY_COPY_NUMBE	291	0.166848	0.578812	0.934292	1	Decreased Expression with Increasing Exponent
ONDER_CDH1_TARGETS_3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ONDER_CDH1_TARGETS_3_UP	52	0.217444	0.674548	0.858268	1	Decreased Expression with Increasing Exponent
ROZANOV_MMP14_CORRELATED	http://www.broadinstitute.org/gsea/msigdb/cards/ROZANOV_MMP14_CORRELATED	37	0.448788	126,945	0.232465	1	Decreased Expression with Increasing Exponent
LE_EGR2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LE_EGR2_TARGETS_DN	250	0.166396	0.609741	0.94274	1	Decreased Expression with Increasing Exponent
ROSS_ACUTE_MYELOID_LEUKEMIA_CBF	http://www.broadinstitute.org/gsea/msigdb/cards/ROSS_ACUTE_MYELOID_LEUKEMIA_CBF	203	0.167997	0.688535	0.950855	1	Decreased Expression with Increasing Exponent
NELSON_RESPONSE_TO_ANDROGEN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NELSON_RESPONSE_TO_ANDROGEN_DN	46	0.208094	0.708287	0.841699	1	Decreased Expression with Increasing Exponent
SHEPARD_CRUSH_AND_BURN_MUTANT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SHEPARD_CRUSH_AND_BURN_MUTANT_UP	439	0.188741	0.772876	0.765914	1	Decreased Expression with Increasing Exponent
PARK_HSC_VS_MULTIPOTENT_PROGENITORS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_HSC_VS_MULTIPOTENT_PROGENITORS_DN	53	0.175425	0.593821	0.942574	1	Decreased Expression with Increasing Exponent
LEE_LIVER_CANCER_CIPROFIBRATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_CIPROFIBRATE_DN	126	0.220047	0.864356	0.702259	1	Decreased Expression with Increasing Exponent
CHESLER_BRAIN_D6MIT150_QTL_CIS	http://www.broadinstitute.org/gsea/msigdb/cards/CHESLER_BRAIN_D6MIT150_QTL_CIS	16	0.342585	0.951014	0.519763	1	Decreased Expression with Increasing Exponent
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_FGF3	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTRYKH_HEMATOPOIESIS_STEM_CELL_FGF3	19	0.276994	0.806503	0.674044	1	Decreased Expression with Increasing Exponent
CHESLER_BRAIN_QTL_CIS	http://www.broadinstitute.org/gsea/msigdb/cards/CHESLER_BRAIN_QTL_CIS	225	0.1912	0.89755	0.693878	1	Decreased Expression with Increasing Exponent
PENG_LEUCINE_DEPRIVATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PENG_LEUCINE_DEPRIVATION_UP	349	0.188047	0.910347	0.652695	1	Decreased Expression with Increasing Exponent
GOLDRATH_HOMEOSTATIC_PROLIFERATION	http://www.broadinstitute.org/gsea/msigdb/cards/GOLDRATH_HOMEOSTATIC_PROLIFERATION	480	0.227843	0.952767	0.481625	1	Decreased Expression with Increasing Exponent
LAMB_CCND1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/LAMB_CCND1_TARGETS	40	0.186035	0.622966	0.920319	1	Decreased Expression with Increasing Exponent
SHEPARD_BMYB_MORPHOLINO_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SHEPARD_BMYB_MORPHOLINO_DN	473	0.167496	0.747406	0.870155	1	Decreased Expression with Increasing Exponent
LEE_LIVER_CANCER_ACOX1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_ACOX1_DN	137	0.191065	0.742723	0.855131	1	Decreased Expression with Increasing Exponent
PENG_GLUCOSE_DEPRIVATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PENG_GLUCOSE_DEPRIVATION_UP	123	0.259823	105,237	0.352362	1	Decreased Expression with Increasing Exponent
MENSSEN_MYC_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/MENSSEN_MYC_TARGETS	117	0.199157	0.697757	0.871893	1	Decreased Expression with Increasing Exponent
DER_IFN_ALPHA_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DER_IFN_ALPHA_RESPONSE_UP	173	0.135968	0.411839	0.984344	1	Decreased Expression with Increasing Exponent
PENG GLUTAMINE_DEPRIVATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PENG GLUTAMINE_DEPRIVATION_UP	96	0.219996	0.859745	0.675835	1	Decreased Expression with Increasing Exponent
KLEIN_PRIMARY_EFFUSION_LYMPHOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KLEIN_PRIMARY_EFFUSION_LYMPHOMA_DN	139	0.226241	0.79498	0.680894	1	Decreased Expression with Increasing Exponent
SHEPARD_BMYB_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SHEPARD_BMYB_TARGETS	188	0.186507	0.735011	0.774011	1	Decreased Expression with Increasing Exponent
SANA_TNF_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SANA_TNF_SIGNALING_DN	229	0.179824	0.66287	0.873984	1	Decreased Expression with Increasing Exponent
PENG_LEUCINE_DEPRIVATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PENG_LEUCINE_DEPRIVATION_DN	455	0.175312	0.661036	0.875717	1	Decreased Expression with Increasing Exponent
IZUKA_LIVER_CANCER_PROGRESSION_G1_G2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IZUKA_LIVER_CANCER_PROGRESSION_G1_G2_UP	34	0.184594	0.508697	0.934263	1	Decreased Expression with Increasing Exponent
IIZUKA_LIVER_CANCER_PROGRESSION_G2_G3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IIZUKA_LIVER_CANCER_PROGRESSION_G2_G3_DN	20	0.345266	0.895571	0.572874	1	Decreased Expression with Increasing Exponent
CHEOK_RESPONSE_TO_MERCAPTOPURINE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHEOK_RESPONSE_TO_MERCAPTOPURINE_UP	31	0.199375	0.54387	0.950884	1	Decreased Expression with Increasing Exponent
UEDA_PERIFERAL_CLOCK	http://www.broadinstitute.org/gsea/msigdb/cards/UEDA_PERIFERAL_CLOCK	430	0.164127	0.763918	0.884232	1	Decreased Expression with Increasing Exponent
CHESLER_BRAIN_HIGHEST_GENETIC_VARIANCE	http://www.broadinstitute.org/gsea/msigdb/cards/CHESLER_BRAIN_HIGHEST_GENETIC_VARIANCE	115	0.198536	0.794711	0.820513	1	Decreased Expression with Increasing Exponent
VANTVEER_BREAST_CANCER_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANTVEER_BREAST_CANCER_METASTASIS_DN	282	0.192103	0.642576	0.799611	1	Decreased Expression with Increasing Exponent
SMITH_LIVER_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/SMITH_LIVER_CANCER	106	0.226535	0.83501	0.674419	1	Decreased Expression with Increasing Exponent
POMEROY_MEDULLOBLASTOMA_PROGNOSIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/POMEROY_MEDULLOBLASTOMA_PROGNOSIS_UP	95	0.215298	0.8222	0.677104	1	Decreased Expression with Increasing Exponent
SCHUHMACHER_MYC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHUHMACHER_MYC_TARGETS_UP	168	0.18514	0.641838	0.868979	1	Decreased Expression with Increasing Exponent
MAGRANGEAS_MULTIPLE_MYELOMA_IGG_VS_IGA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MAGRANGEAS_MULTIPLE_MYELOMA_IGG_VS_IGA_U	63	0.303147	0.970473	0.489195	1	Decreased Expression with Increasing Exponent
LEE_LIVER_CANCER_DENA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_DENA_DN	132	0.237812	0.870411	0.646943	1	Decreased Expression with Increasing Exponent
VANTVEER_BREAST_CANCER_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANTVEER_BREAST_CANCER_METASTASIS_UP	132	0.208052	0.864714	0.688129	1	Decreased Expression with Increasing Exponent
COLLER_MYC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/COLLER_MYC_TARGETS_UP	56	0.279011	0.821235	0.642023	1	Decreased Expression with Increasing Exponent
REN_BOUND_BY_E2F	http://www.broadinstitute.org/gsea/msigdb/cards/REN_BOUND_BY_E2F	144	0.281276	0.759966	0.667992	1	Decreased Expression with Increasing Exponent
WONG_IFNA2_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WONG_IFNA2_RESISTANCE_DN	78	0.275525	111,951	0.281314	1	Decreased Expression with Increasing Exponent
RADAEVA_RESPONSE_TO_IFNA1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RADAEVA_RESPONSE_TO_IFNA1_DN	18	0.353521	0.957502	0.504	1	Decreased Expression with Increasing Exponent
PEART_HDAC_PROLIFERATION_CLUSTER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PEART_HDAC_PROLIFERATION_CLUSTER_DN	192	0.194968	0.78037	0.747191	1	Decreased Expression with Increasing Exponent
FLECHNER_PBL_KIDNEY_TRANSPLANT_REJECTED_VS_OK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FLECHNER_PBL_KIDNEY_TRANSPLANT_REJECTED_VS_	172	0.162283	0.68486	0.945892	1	Decreased Expression with Increasing Exponent
GOLDRATH_IMMUNE_MEMORY	http://www.broadinstitute.org/gsea/msigdb/cards/GOLDRATH_IMMUNE_MEMORY	155	0.204856	0.855932	0.672691	1	Decreased Expression with Increasing Exponent
HASLINGER_B_CLL_WITH_17P13_DELETION	http://www.broadinstitute.org/gsea/msigdb/cards/HASLINGER_B_CLL_WITH_17P13_DELETION	46	0.400692	12,911	0.195402	1	Decreased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_CD1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_CD1_UP	83	0.199906	0.796646	0.830339	1	Decreased Expression with Increasing Exponent
YU_MYC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YU_MYC_TARGETS_UP	88	0.191438	0.48748	0.872549	1	Decreased Expression with Increasing Exponent
MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MOREAUX_B_LYMPHOCYTE_MATURATION_BY_TACI_	169	0.231802	0.76199	0.72179	1	Decreased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_SPIKED	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_SPIKED	46	0.153586	0.498198	0.998028	1	Decreased Expression with Increasing Exponent
ASTIER_INTEGRIN_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/ASTIER_INTEGRIN_SIGNALING	148	0.20653	0.892274	0.642586	1	Decreased Expression with Increasing Exponent
NADLER_OBESITY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NADLER_OBESITY_DN	100	0.334341	130,926	0.122772	1	Decreased Expression with Increasing Exponent
FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FERRANDO_T_ALL_WITH_MLL_ENL_FUSION_DN	218	0.197993	0.726054	0.779093	1	Decreased Expression with Increasing Exponent
GALE_APL_WITH_FLT3_MUTATED_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GALE_APL_WITH_FLT3_MUTATED_DN	41	0.330981	0.91859	0.545455	1	Decreased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_CD1_AND_CD2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_CD1_AND_CD2_UP	257	0.183692	0.741356	0.860236	1	Decreased Expression with Increasing Exponent
NADLER_HYPERGLYCEMIA_AT_OBESITY	http://www.broadinstitute.org/gsea/msigdb/cards/NADLER_HYPERGLYCEMIA_AT_OBESITY	126	0.213463	0.899791	0.639376	1	Decreased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_PR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_PR_UP	87	0.409988	0.947601	0.555556	1	Decreased Expression with Increasing Exponent
WANG_TARGETS_OF_MLL_CBP_FUSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_TARGETS_OF_MLL_CBP_FUSION_DN	103	0.169423	0.650292	0.942801	1	Decreased Expression with Increasing Exponent
ABBUD_LIF_SIGNALING_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ABBUD_LIF_SIGNALING_1_UP	96	0.229806	0.731088	0.770325	1	Decreased Expression with Increasing Exponent
JAIRN_NFKB_SIGNALING	http://www.broadinstitute.org/gsea/msigdb/cards/JAIRN_NFKB_SIGNALING	185	0.186622	0.726348	0.865424	1	Decreased Expression with Increasing Exponent
FAELT_B_CLL_WITH_VH_REARRANGEMENTS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FAELT_B_CLL_WITH_VH_REARRANGEMENTS_DN	113	0.227351	0.863061	0.662675	1	Decreased Expression with Increasing Exponent
VERNELL_RETINOBLASTOMA_PATHWAY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VERNELL_RETINOBLASTOMA_PATHWAY_UP	161	0.329954	0.999734	0.455577	1	Decreased Expression with Increasing Exponent
ALCALAY_AML_BY_NPM1_LOCALIZATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ALCALAY_AML_BY_NPM1_LOCALIZATION_DN	442	0.146603	0.590026	0.982	1	Decreased Expression with Increasing Exponent
HESS_TARGETS_OF_HOXA9_AND_MEIS1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HESS_TARGETS_OF_HOXA9_AND_MEIS1_UP	135	0.180833	0.661153	0.911708	1	Decreased Expression with Increasing Exponent
XU_RESPONSE_TO_TRETINOIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/XU_RESPONSE_TO_TRETINOIN_UP	34	0.142352	0.406332	0.997899	1	Decreased Expression with Increasing Exponent
CROMER_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CROMER_METASTASIS_DN	193	0.233239	0.937294	0.545455	1	Decreased Expression with Increasing Exponent
YAGI_AML_SURVIVAL	http://www.broadinstitute.org/gsea/msigdb/cards/YAGI_AML_SURVIVAL	346	0.246319	114,669	0.206186	1	Decreased Expression with Increasing Exponent
XU_CREBBP_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/XU_CREBBP_TARGETS_UP	36	0.191197	0.581926	0.94152	1	Decreased Expression with Increasing Exponent
MOREAUX_MULTIPLE_MYELOMA_BY_TACI_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MOREAUX_MULTIPLE_MYELOMA_BY_TACI_DN	462	0.240765	0.849137	0.606654	1	Decreased Expression with Increasing Exponent
KAMMINGA_EZH2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KAMMINGA_EZH2_TARGETS	90	0.407086	104,544	0.453831	1	Decreased Expression with Increasing Exponent
HASLINGER_B_CLL_WITH_6Q21_DELETION	http://www.broadinstitute.org/gsea/msigdb/cards/HASLINGER_B_CLL_WITH_6Q21_DELETION	52	0.232409	0.693648	0.791252	1	Decreased Expression with Increasing Exponent
HANSON_HRAS_SIGNALING_VIA_NFKB	http://www.broadinstitute.org/gsea/msigdb/cards/HANSON_HRAS_SIGNALING_VIA_NFKB	45	0.220974	0.716184	0.82582	1	Decreased Expression with Increasing Exponent
NOUZOVA_TRETINOIN_AND_H4_ACETYLATION	http://www.broadinstitute.org/gsea/msigdb/cards/NOUZOVA_TRETINOIN_AND_H4_ACETYLATION	329	0.169892	0.674166	0.905622	1	Decreased Expression with Increasing Exponent
PETROVA_PROX1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PETROVA_PROX1_TARGETS_UP	59	0.199519	0.632203	0.870656	1	Decreased Expression with Increasing Exponent
MARTINEZ_RESPONSE_TO TRABECTEDIN	http://www.broadinstitute.org/gsea/msigdb/cards/MARTINEZ_RESPONSE_TO TRABECTEDIN	147	0.160096	0.630345	0.949698	1	Decreased Expression with Increasing Exponent
TAKAO_RESPONSE_TO_UVB_RADIATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TAKAO_RESPONSE_TO_UVB_RADIATION_UP	188	0.239256	100,579	0.434343	1	Decreased Expression with Increasing Exponent

URS_ADIPOCYTE_DIFFERENTIATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/URS_ADIPOCYTE_DIFFERENTIATION_UP	157	0.279427	117,509	0.23092	1	Decreased Expression with Increasing Exponent
LEE_AGING_NEOCORTEX_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_AGING_NEOCORTEX_DN	188	0.197904	0.940522	0.576699	1	Decreased Expression with Increasing Exponent
MODY_HIPPOCAMPUS_POSTNATAL	http://www.broadinstitute.org/gsea/msigdb/cards/MODY_HIPPOCAMPUS_POSTNATAL	142	0.229911	0.818829	0.666667	1	Decreased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_10	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_10	86	0.229149	0.849774	0.658103	1	Decreased Expression with Increasing Exponent
WEBER_METHYLATED_IN_COLON_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_IN_COLON_CANCER	41	0.329316	0.974305	0.489022	1	Decreased Expression with Increasing Exponent
SU_PANCREAS	http://www.broadinstitute.org/gsea/msigdb/cards/SU_PANCREAS	133	0.273693	114,732	0.268924	1	Decreased Expression with Increasing Exponent
RUAN_RESPONSE_TO_TROGLITAZONE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RUAN_RESPONSE_TO_TROGLITAZONE_UP	74	0.245776	0.830799	0.670543	1	Decreased Expression with Increasing Exponent
WHITESIDE_CISPLATIN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WHITESIDE_CISPLATIN_RESISTANCE_UP	29	0.366907	104,926	0.43662	1	Decreased Expression with Increasing Exponent
RUAN_RESPONSE_TO_TNF_TROGLITAZONE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RUAN_RESPONSE_TO_TNF_TROGLITAZONE_DN	82	0.253955	0.943929	0.529412	1	Decreased Expression with Increasing Exponent
SU_SALIVARY_GLAND	http://www.broadinstitute.org/gsea/msigdb/cards/SU_SALIVARY_GLAND	38	0.37446	123,233	0.181263	1	Decreased Expression with Increasing Exponent
KAYO_CALORIE_RESTRICTION_MUSCLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KAYO_CALORIE_RESTRICTION_MUSCLE_DN	199	0.288494	116,748	0.235908	1	Decreased Expression with Increasing Exponent
MARIADASON_RESPONSE_TO_CURCUMIN_SULINDAC_7	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_RESPONSE_TO_CURCUMIN_SULINDAC_7	49	0.307047	104,369	0.405882	1	Decreased Expression with Increasing Exponent
SESTO_RESPONSE_TO_UV_C4	http://www.broadinstitute.org/gsea/msigdb/cards/SESTO_RESPONSE_TO_UV_C4	41	0.273973	0.861705	0.621901	1	Decreased Expression with Increasing Exponent
SU_TESTIS	http://www.broadinstitute.org/gsea/msigdb/cards/SU_TESTIS	186	0.228475	0.906354	0.531373	1	Decreased Expression with Increasing Exponent
RODWELL_AGING_KIDNEY_NO_BLOOD_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RODWELL_AGING_KIDNEY_NO_BLOOD_DN	462	0.267778	117,389	0.227926	1	Decreased Expression with Increasing Exponent
PAL_PRMT5_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PAL_PRMT5_TARGETS_UP	500	0.19377	0.737459	0.77176	1	Decreased Expression with Increasing Exponent
HEDENFALK_BREAST_CANCER_BRACX_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HEDENFALK_BREAST_CANCER_BRACX_DN	88	0.180626	0.656336	0.922921	1	Decreased Expression with Increasing Exponent
JIANG_AGING_HYPOTHALAMUS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IIANG_AGING_HYPOTHALAMUS_DN	94	0.16696	0.59258	0.96008	1	Decreased Expression with Increasing Exponent
MARIADASON_RESPONSE_TO_BUTYRATE_CURCUMIN_SULINDAC_TSA_8	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_RESPONSE_TO_BUTYRATE_CURCUMIN_8	58	0.28981	105,401	0.395582	1	Decreased Expression with Increasing Exponent
VISALA_RESPONSE_TO_HEAT_SHOCK_AND_AGING_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VISALA_RESPONSE_TO_HEAT_SHOCK_AND_AGING_UI44	44	0.332173	114,332	0.288618	1	Decreased Expression with Increasing Exponent
CHUANG_OXIDATIVE_STRESS_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHUANG_OXIDATIVE_STRESS_RESPONSE_DN	25	0.350053	0.933663	0.531482	1	Decreased Expression with Increasing Exponent
HU_GENOTOXIN_ACTION_DIRECT_VS_INDIRECT_24HR	http://www.broadinstitute.org/gsea/msigdb/cards/HU_GENOTOXIN_ACTION_DIRECT_VS_INDIRECT_24HR	146	0.262956	0.990291	0.473477	1	Decreased Expression with Increasing Exponent
JIANG_VHL_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/IIANG_VHL_TARGETS	361	0.162028	0.700544	0.931035	1	Decreased Expression with Increasing Exponent
CUI_TCF21_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CUI_TCF21_TARGETS_DN	76	0.296495	107,883	0.345455	1	Decreased Expression with Increasing Exponent
KANG_FLUOROURACIL_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_FLUOROURACIL_RESISTANCE_DN	34	0.242176	0.748329	0.79089	1	Decreased Expression with Increasing Exponent
KEEN_RESPONSE_TO_ROSIGLITAZONE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KEEN_RESPONSE_TO_ROSIGLITAZONE_UP	93	0.380056	142,378	0.0792079	1	Decreased Expression with Increasing Exponent
RUAN_RESPONSE_TO_TNF_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RUAN_RESPONSE_TO_TNF_DN	177	0.201857	0.80991	0.737864	1	Decreased Expression with Increasing Exponent
KAYO_AGING_MUSCLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KAYO_AGING_MUSCLE_DN	288	0.187603	0.842117	0.719231	1	Decreased Expression with Increasing Exponent
NIELSEN_LIPOSARCOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_LIPOSARCOMA_UP	35	0.273814	0.861907	0.647541	1	Decreased Expression with Increasing Exponent
RODWELL_AGING_KIDNEY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RODWELL_AGING_KIDNEY_DN	435	0.226655	100,122	0.43659	1	Decreased Expression with Increasing Exponent
KANG_DOXORUBICIN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_DOXORUBICIN_RESISTANCE_UP	117	0.383919	0.899518	0.57115	1	Decreased Expression with Increasing Exponent
MA_PITUITARY_FETAL_VS_ADULT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MA_PITUITARY_FETAL_VS_ADULT_DN	67	0.119468	0.42241	1	1	Decreased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_5	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_5	254	0.292785	115,298	0.269006	1	Decreased Expression with Increasing Exponent
KIM_GASTRIC_CANCER_CHEMOSENSITIVITY	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_GASTRIC_CANCER_CHEMOSENSITIVITY	310	0.240911	108,133	0.325153	1	Decreased Expression with Increasing Exponent
RHODES_UNDIFFERENTIATED_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/RHODES_UNDIFFERENTIATED_CANCER	120	0.211684	0.545304	0.807843	1	Decreased Expression with Increasing Exponent
MACLACHLAN_BRCA1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MACLACHLAN_BRCA1_TARGETS_UP	47	0.294401	0.859794	0.605416	1	Decreased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_3	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_3	219	0.199817	0.576799	0.801158	1	Decreased Expression with Increasing Exponent
XU_GH1_EXOGENOUS_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/XU_GH1_EXOGENOUS_TARGETS_UP	229	0.181352	0.829988	0.794492	1	Decreased Expression with Increasing Exponent
SU_KIDNEY	http://www.broadinstitute.org/gsea/msigdb/cards/SU_KIDNEY	31	0.304995	0.871549	0.611691	1	Decreased Expression with Increasing Exponent
SATO_SILENCED_EPIGENETICALLY_IN_PANCREATIC_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/SATO_SILENCED_EPIGENETICALLY_IN_PANCREATIC_CANCER	89	0.226567	0.847547	0.687375	1	Decreased Expression with Increasing Exponent
MOREIRA_RESPONSE_TO_TSA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MOREIRA_RESPONSE_TO_TSA_UP	58	0.194456	0.71822	0.884232	1	Decreased Expression with Increasing Exponent
IVANOVA_HEMATOPOIESIS_STEM_CELL_SHORT_TERM	http://www.broadinstitute.org/gsea/msigdb/cards/IVANOVA_HEMATOPOIESIS_STEM_CELL_SHORT_TERM	99	0.265706	0.986651	0.469008	1	Decreased Expression with Increasing Exponent
ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_ANTIVIRAL_RESPONSE_TO_RIBAVIRIN_UP	60	0.267644	0.81415	0.656687	1	Decreased Expression with Increasing Exponent
MARIADASON_RESPONSE_TO_BUTYRATE_SULINDAC_4	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_RESPONSE_TO_BUTYRATE_SULINDAC_4	64	0.227595	0.845095	0.703922	1	Decreased Expression with Increasing Exponent
ZHANG_RESPONSE_TO_CANTHARIDIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_RESPONSE_TO_CANTHARIDIN_DN	164	0.289526	101,723	0.442623	1	Decreased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_PEAK_AT_24HR	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_PEAK_AT_24HR	96	0.185491	0.534407	0.876471	1	Decreased Expression with Increasing Exponent
KANG_DOXORUBICIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_DOXORUBICIN_RESISTANCE_DN	60	0.224499	0.726693	0.800395	1	Decreased Expression with Increasing Exponent
MCCLUNG_CREB1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCCLUNG_CREB1_TARGETS_UP	230	0.182116	0.716259	0.868687	1	Decreased Expression with Increasing Exponent
TSENG_IRS1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TSENG_IRS1_TARGETS_DN	365	0.187297	0.821292	0.747475	1	Decreased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_4	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_4	114	0.21557	0.802687	0.721212	1	Decreased Expression with Increasing Exponent
IVANOVA_HEMATOPOIESIS_INTERMEDIATE_PROGENITOR	http://www.broadinstitute.org/gsea/msigdb/cards/IVANOVA_HEMATOPOIESIS_INTERMEDIATE_PROGENITOR	322	0.243715	0.997053	0.417625	1	Decreased Expression with Increasing Exponent
SU_LIVER	http://www.broadinstitute.org/gsea/msigdb/cards/SU_LIVER	86	0.232893	0.837169	0.696356	1	Decreased Expression with Increasing Exponent
BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BLALOCK_ALZHEIMERS_DISEASE_INCIPIENT_DN	437	0.208278	0.871742	0.608696	1	Decreased Expression with Increasing Exponent
SONG_TARGETS_OF_IE86_CMV_PROTEIN	http://www.broadinstitute.org/gsea/msigdb/cards/SONG_TARGETS_OF_IE86_CMV_PROTEIN	126	0.219625	0.601519	0.791188	1	Decreased Expression with Increasing Exponent
WENG_POR_TARGETS_GLOBAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WENG_POR_TARGETS_GLOBAL_UP	38	0.217124	0.651556	0.829569	1	Decreased Expression with Increasing Exponent
WU_HBX_TARGETS_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WU_HBX_TARGETS_1_UP	43	0.342717	0.907435	0.578732	1	Decreased Expression with Increasing Exponent
LIANG_SILENCED_BY_METHYLATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IIANG_SILENCED_BY_METHYLATION_DN	20	0.435698	0.902807	0.583004	1	Decreased Expression with Increasing Exponent
MOREIRA_RESPONSE_TO_TSA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MOREIRA_RESPONSE_TO_TSA_DN	45	0.26515	0.877463	0.608961	1	Decreased Expression with Increasing Exponent
WENG_POR_TARGETS_GLOBAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WENG_POR_TARGETS_GLOBAL_DN	57	0.31352	106,042	0.388889	1	Decreased Expression with Increasing Exponent
SARTIPY_BLUNTED_BY_INSULIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SARTIPY_BLUNTED_BY_INSULIN_RESISTANCE_DN	45	0.233385	0.808493	0.750524	1	Decreased Expression with Increasing Exponent
SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SCHLINGEMANN_SKIN_CARCINOGENESIS_TPA_DN	50	0.252221	0.795791	0.701961	1	Decreased Expression with Increasing Exponent
BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_48HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_WITHOUT_MGMT_48HR_UP	38	0.221487	0.794621	0.787018	1	Decreased Expression with Increasing Exponent
KALMA_E2F1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KALMA_E2F1_TARGETS	20	0.213309	0.477046	0.900383	1	Decreased Expression with Increasing Exponent
NIELSEN_GIST_AND_SYNOVIAL_SARCOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_GIST_AND_SYNOVIAL_SARCOMA_UP	39	0.228224	0.665415	0.848	1	Decreased Expression with Increasing Exponent
MARIADASON_RESPONSE_TO_CURCUMIN_SULINDAC_5	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_RESPONSE_TO_CURCUMIN_SULINDAC_5	53	0.274992	100,663	0.444015	1	Decreased Expression with Increasing Exponent
MURAKAMI_UV_RESPONSE_24HR	http://www.broadinstitute.org/gsea/msigdb/cards/MURAKAMI_UV_RESPONSE_24HR	30	0.308628	0.902275	0.586	1	Decreased Expression with Increasing Exponent
JIANG_HYPOXIA_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/IIANG_HYPOXIA_CANCER	197	0.21777	0.871031	0.609901	1	Decreased Expression with Increasing Exponent
YIH_RESPONSE_TO_ARSENITE_C1	http://www.broadinstitute.org/gsea/msigdb/cards/YIH_RESPONSE_TO_ARSENITE_C1	66	0.174373	0.575874	0.939096	1	Decreased Expression with Increasing Exponent
SIMBULAN_PARP1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SIMBULAN_PARP1_TARGETS_DN	39	0.218119	0.553949	0.893333	1	Decreased Expression with Increasing Exponent
WU_HBX_TARGETS_2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WU_HBX_TARGETS_2_UP	57	0.282541	0.912083	0.548134	1	Decreased Expression with Increasing Exponent
HU_GENOTOXIC_DAMAGE_4HR	http://www.broadinstitute.org/gsea/msigdb/cards/HU_GENOTOXIC_DAMAGE_4HR	83	0.194082	0.618974	0.857143	1	Decreased Expression with Increasing Exponent
MARIADASON_RESPONSE_TO_BUTYRATE_SULINDAC_6	http://www.broadinstitute.org/gsea/msigdb/cards/MARIADASON_RESPONSE_TO_BUTYRATE_SULINDAC_6	174	0.162715	0.666993	0.940239	1	Decreased Expression with Increasing Exponent
SARTIPY_NORMAL_AT_INSULIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SARTIPY_NORMAL_AT_INSULIN_RESISTANCE_DN	60	0.191448	0.62555	0.895966	1	Decreased Expression with Increasing Exponent
KRASNOSELSKAYA_ILF3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KRASNOSELSKAYA_ILF3_TARGETS_DN	110	0.245801	109,196	0.291667	1	Decreased Expression with Increasing Exponent
JI_RESPONSE_TO_FSH_UP	http://www.broadinstitute.org/gsea/msigdb/cards/II_RESPONSE_TO_FSH_UP	184	0.167637	0.718031	0.925926	1	Decreased Expression with Increasing Exponent
LEE_CALORIE_RESTRICTION_MUSCLE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_CALORIE_RESTRICTION_MUSCLE_DN	171	0.182204	0.791009	0.831703	1	Decreased Expression with Increasing Exponent
CARDOSO_RESPONSE_TO_GAMMA_RADIATION_AND_3AB	http://www.broadinstitute.org/gsea/msigdb/cards/CARDOSO_RESPONSE_TO_GAMMA_RADIATION_AND_3AB	46	0.262677	0.868551	0.590631	1	Decreased Expression with Increasing Exponent
MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MULLIGAN_NTF3_SIGNALING_VIA_INSR_AND_IGF1R_DN	31	0.292393	0.836347	0.667368	1	Decreased Expression with Increasing Exponent
CHEN_ETV5_TARGETS_TESTIS	http://www.broadinstitute.org/gsea/msigdb/cards/CHEN_ETV5_TARGETS_TESTIS	51	0.293521	0.791689	0.662813	1	Decreased Expression with Increasing Exponent
JIANG_AGING_HYPOTHALAMUS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/IIANG_AGING_HYPOTHALAMUS_UP	113	0.266742	0.923095	0.550781	1	Decreased Expression with Increasing Exponent
WENG_POR_TARGETS_LIVER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WENG_POR_TARGETS_LIVER_DN	47	0.210758	0.652925	0.875	1	Decreased Expression with Increasing Exponent
SU_PLACENTA	http://www.broadinstitute.org/gsea/msigdb/cards/SU_PLACENTA	82	0.21311	0.772152	0.77381	1	Decreased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_6	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_6	425	0.397834	157,967	0.0262097	1	Decreased Expression with Increasing Exponent
BURTON_ADIPOGENESIS_PEAK_AT_16HR	http://www.broadinstitute.org/gsea/msigdb/cards/BURTON_ADIPOGENESIS_PEAK_AT_16HR	91	0.250527	0.743556	0.687861	1	Decreased Expression with Increasing Exponent
DURCHDEWALD_SKIN_CARCINOGENESIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DURCHDEWALD_SKIN_CARCINOGENESIS_UP	170	0.289447	123,902	0.149194	1	Decreased Expression with Increasing Exponent
LI_CYTIDINE_ANALOG_PATHWAY	http://www.broadinstitute.org/gsea/msigdb/cards/LI_CYTIDINE_ANALOG_PATHWAY	32	0.325811	0.977283	0.494163	1	Decreased Expression with Increasing Exponent
KIM_LIRC3B_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_LIRC3B_TARGETS	85	0.203078	0.556241	0.837022	1	Decreased Expression with Increasing Exponent
YANG_MUC2_TARGETS_DUODENUM_3MO_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_MUC2_TARGETS_DUODENUM_3MO_DN	50	0.330816	106,523	0.386965	1	Decreased Expression with Increasing Exponent
YANG_MUC2_TARGETS_DUODENUM_6MO_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_MUC2_TARGETS_DUODENUM_6MO_UP	18	0.397697	100,612	0.469602	1	Decreased Expression with Increasing Exponent
YANG_MUC2_TARGETS_DUODENUM_6MO_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_MUC2_TARGETS_DUODENUM_6MO_DN	47	0.338768	109,453	0.351129	1	Decreased Expression with Increasing Exponent
YANG_MUC2_TARGETS_COLON_3MO_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YANG_MUC2_TARGETS_COLON_3MO_DN	15	0.494492	123,988	0.238289	1	Decreased Expression with Increasing Exponent
MCCOLLUM_GELDANAMYCIN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCCOLLUM_GELDANAMYCIN_RESISTANCE_UP	29	0.211058	0.588273	0.916168	1	Decreased Expression with Increasing Exponent
SINGH_NFE2L2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SINGH_NFE2L2_TARGETS	35	0.254838	0.647553	0.812877	1	Decreased Expression with Increasing Exponent
PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PELLICCIOTTA_HDAC_IN_ANTIGEN_PRESENTATION_DN	121	0.296456	0.961247	0.49812	1	Decreased Expression with Increasing Exponent
LOPES_METHYLATED_IN_COLON_CANCER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LOPES_METHYLATED_IN_COLON_CANCER_UP	78	0.406329	148,495	0.0492505	1	Decreased Expression with Increasing Exponent
LOPES_METHYLATED_IN_COLON_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LOPES_METHYLATED_IN_COLON_CANCER_DN	75	0.260035	104,289	0.394841	1	Decreased Expression with Increasing Exponent
HARRIS_BRAIN_CANCER_PROGENITORS	http://www.broadinstitute.org/gsea/msigdb/cards/HARRIS_BRAIN_CANCER_PROGENITORS	80	0.206659	0.709708	0.825103	1	Decreased Expression with Increasing Exponent
TUOMISTO_TUMOR_SUPPRESSION_BY_COL13A1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TUOMISTO_TUMOR_SUPPRESSION_BY_COL13A1_UP	35	0.395418	123,973	0.214859	1	Decreased Expression with Increasing Exponent

TUOMISTO_TUMOR_SUPPRESSION_BY_COL13A1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TUOMISTO_TUMOR_SUPPRESSION_BY_COL13A1_DN	25	0.247107	0.761482	0.799587	1	Decreased Expression with Increasing Exponent
DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_UP	http://www.broadinstitute.org/gsea/msigdb/cards/DACOSTA_UV_RESPONSE_VIA_ERCC3_COMMON_UP	161	0.199785	0.865372	0.700772	1	Decreased Expression with Increasing Exponent
LEIN_NEURON_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_NEURON_MARKERS	182	0.215741	0.675043	0.784114	1	Decreased Expression with Increasing Exponent
LEIN_ASTROCYTE_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_ASTROCYTE_MARKERS	104	0.223575	0.798257	0.703065	1	Decreased Expression with Increasing Exponent
LEIN_MIDBRAIN_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_MIDBRAIN_MARKERS	169	0.182899	0.79858	0.842553	1	Decreased Expression with Increasing Exponent
LEIN_PONS_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_PONS_MARKERS	199	0.22438	0.954725	0.529412	1	Decreased Expression with Increasing Exponent
LEIN_MEDULLA_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_MEDULLA_MARKERS	174	0.183336	0.777228	0.854806	1	Decreased Expression with Increasing Exponent
LEIN_CEREBELLUM_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_CEREBELLUM_MARKERS	182	0.215746	0.973102	0.511583	1	Decreased Expression with Increasing Exponent
LEIN_LOCALIZED_TO_DISTAL_AND_PROXIMAL_DENDRITES	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_LOCALIZED_TO_DISTAL_AND_PROXIMAL_DENDRITES	36	0.188996	0.534376	0.930894	1	Decreased Expression with Increasing Exponent
LEIN_LOCALIZED_TO_PROXIMAL_DENDRITES	http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_LOCALIZED_TO_PROXIMAL_DENDRITES	93	0.185731	0.630463	0.87269	1	Decreased Expression with Increasing Exponent
GAVIN_FOXP3_TARGETS_CLUSTER_T7	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_FOXP3_TARGETS_CLUSTER_T7	228	0.176995	0.724184	0.900596	1	Decreased Expression with Increasing Exponent
GAVIN_FOXP3_TARGETS_CLUSTER_P6	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_FOXP3_TARGETS_CLUSTER_P6	190	0.200755	0.671647	0.736641	1	Decreased Expression with Increasing Exponent
GAVIN_IL2_RESPONSIVE_FOXP3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GAVIN_IL2_RESPONSIVE_FOXP3_TARGETS_UP	49	0.23187	0.868836	0.649057	1	Decreased Expression with Increasing Exponent
ZHENG_FOXP3_TARGETS_IN_T_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_FOXP3_TARGETS_IN_T_LYMPHOCYTE_UP	34	0.425282	130,337	0.157996	1	Decreased Expression with Increasing Exponent
ZHENG_FOXP3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_FOXP3_TARGETS_UP	87	0.194417	0.621771	0.884	1	Decreased Expression with Increasing Exponent
ZHENG_FOXP3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHENG_FOXP3_TARGETS_DN	20	0.435322	110,801	0.359528	1	Decreased Expression with Increasing Exponent
SANSOM_APC_MYC_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SANSOM_APC_MYC_TARGETS	493	0.177485	0.8493	0.773694	1	Decreased Expression with Increasing Exponent
SANSOM_APC_TARGETS_REQUIRE_MYC	http://www.broadinstitute.org/gsea/msigdb/cards/SANSOM_APC_TARGETS_REQUIRE_MYC	441	0.195511	0.814116	0.726378	1	Decreased Expression with Increasing Exponent
YEGNASUBRAMANIAN_PROSTATE_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/YEGNASUBRAMANIAN_PROSTATE_CANCER	318	0.281065	124,299	0.131631	1	Decreased Expression with Increasing Exponent
RIGGINS_TAMOXIFEN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RIGGINS_TAMOXIFEN_RESISTANCE_UP	148	0.180191	0.743539	0.889583	1	Decreased Expression with Increasing Exponent
NIKOLSKY_OVERCONNECTED_IN_BREAST_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/NIKOLSKY_OVERCONNECTED_IN_BREAST_CANCER	67	0.298281	108,471	0.337398	1	Decreased Expression with Increasing Exponent
TESAR_JAK_TARGETS_MOUSE_ES_D3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TESAR_JAK_TARGETS_MOUSE_ES_D3_DN	25	0.43541	129,736	0.184426	1	Decreased Expression with Increasing Exponent
GAZIN_EPIGENETIC_SILENCING_BY_KRAS	http://www.broadinstitute.org/gsea/msigdb/cards/GAZIN_EPIGENETIC_SILENCING_BY_KRAS	59	0.225513	0.842525	0.702811	1	Decreased Expression with Increasing Exponent
JEPSEN_SMRT_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/IEPSEN_SMRT_TARGETS	77	0.209687	0.804531	0.749515	1	Decreased Expression with Increasing Exponent
KYNG_DNA_DAMAGE_BY_GAMMA_RADIATION	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_DNA_DAMAGE_BY_GAMMA_RADIATION	255	0.166816	0.745366	0.9	1	Decreased Expression with Increasing Exponent
KYNG_DNA_DAMAGE_BY_4NQO_OR_UV	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_DNA_DAMAGE_BY_4NQO_OR_UV	161	0.237625	109,504	0.265849	1	Decreased Expression with Increasing Exponent
KONDO_COLON_CANCER_HCP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/KONDO_COLON_CANCER_HCP_WITH_H3K27ME3	49	0.428115	122,414	0.261209	1	Decreased Expression with Increasing Exponent
LEE_LIVER_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER	94	0.240419	0.869183	0.631579	1	Decreased Expression with Increasing Exponent
KANG_CISPLATIN_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_CISPLATIN_RESISTANCE_UP	41	0.225248	0.641718	0.873181	1	Decreased Expression with Increasing Exponent
KANG_CISPLATIN_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KANG_CISPLATIN_RESISTANCE_DN	19	0.363808	105,949	0.401639	1	Decreased Expression with Increasing Exponent
CLAUS_PGR_POSITIVE_MENINGIOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CLAUS_PGR_POSITIVE_MENINGIOMA_UP	24	0.281693	0.827488	0.700382	1	Decreased Expression with Increasing Exponent
WONG_MITOCHONDRIA_GENE_MODULE	http://www.broadinstitute.org/gsea/msigdb/cards/WONG_MITOCHONDRIA_GENE_MODULE	434	0.451433	169,192	0.023622	1	Decreased Expression with Increasing Exponent
WONG_PROTEASOME_GENE_MODULE	http://www.broadinstitute.org/gsea/msigdb/cards/WONG_PROTEASOME_GENE_MODULE	113	0.192803	0.670157	0.858238	1	Decreased Expression with Increasing Exponent
AMUNDSON_GAMMA_RADIATION_RESPONSE	http://www.broadinstitute.org/gsea/msigdb/cards/AMUNDSON_GAMMA_RADIATION_RESPONSE	81	0.361004	0.919712	0.53816	1	Decreased Expression with Increasing Exponent
COATES_MACROPHAGE_M1_VS_M2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/COATES_MACROPHAGE_M1_VS_M2_DN	220	0.189391	0.799616	0.805274	1	Decreased Expression with Increasing Exponent
LEE_METASTASIS_AND_ALTERNATIVE_SPLICING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_METASTASIS_AND_ALTERNATIVE_SPLICING_DN	125	0.145208	0.622945	0.984158	1	Decreased Expression with Increasing Exponent
FINETTI_BREAST_CANCER_KINOME_RED	http://www.broadinstitute.org/gsea/msigdb/cards/FINETTI_BREAST_CANCER_KINOME_RED	33	0.482974	106,708	0.44186	1	Decreased Expression with Increasing Exponent
WALLACE_PROSTATE_CANCER_RACE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WALLACE_PROSTATE_CANCER_RACE_DN	265	0.164646	0.736913	0.930693	1	Decreased Expression with Increasing Exponent
QUILLETTE_CLL_13Q14_DELETION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/QUILLETTE_CLL_13Q14_DELETION_DN	174	0.166275	0.721525	0.932099	1	Decreased Expression with Increasing Exponent
CAMPS_COLON_CANCER_COPY_NUMBER_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CAMPS_COLON_CANCER_COPY_NUMBER_UP	190	0.266936	12,158	0.139721	1	Decreased Expression with Increasing Exponent
RIZKI_TUMOR_INVASIVENESS_2D_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RIZKI_TUMOR_INVASIVENESS_2D_DN	163	0.17307	0.748282	0.899029	1	Decreased Expression with Increasing Exponent
POS_RESPONSE_TO_HISTAMINE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/POS_RESPONSE_TO_HISTAMINE_DN	27	0.369747	107,542	0.382413	1	Decreased Expression with Increasing Exponent
DAIRKEE_CANCER_PRONE_RESPONSE_BPA	http://www.broadinstitute.org/gsea/msigdb/cards/DAIRKEE_CANCER_PRONE_RESPONSE_BPA	131	0.253109	0.935396	0.52988	1	Decreased Expression with Increasing Exponent
OUYANG_PROSTATE_CANCER_PROGRESSION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/OUYANG_PROSTATE_CANCER_PROGRESSION_DN	80	0.3479	119,137	0.253968	1	Decreased Expression with Increasing Exponent
AMBROSINI_FLAVOPIRIDOL_TREATMENT_TP53	http://www.broadinstitute.org/gsea/msigdb/cards/AMBROSINI_FLAVOPIRIDOL_TREATMENT_TP53	292	0.186913	0.886719	0.697959	1	Decreased Expression with Increasing Exponent
HANN_RESISTANCE_TO_BCL2_INHIBITOR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HANN_RESISTANCE_TO_BCL2_INHIBITOR_DN	97	0.181803	0.683049	0.907816	1	Decreased Expression with Increasing Exponent
MCCABE_HOXC6_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MCCABE_HOXC6_TARGETS_UP	30	0.2897	0.793939	0.663883	1	Decreased Expression with Increasing Exponent
MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_UP	178	0.231589	0.920006	0.58483	1	Decreased Expression with Increasing Exponent
MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MOLENAAR_TARGETS_OF_CCND1_AND_CDK4_DN	104	0.40501	111,542	0.388571	1	Decreased Expression with Increasing Exponent
ACEVEDO_NORMAL_TISSUE_ADJACENT_TO_LIVER_TUMOR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ACEVEDO_NORMAL_TISSUE_ADJACENT_TO_LIVER_TUMOR_UP	398	0.186576	0.841599	0.741803	1	Decreased Expression with Increasing Exponent
ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ACEVEDO_LIVER_CANCER_WITH_H3K9ME3_DN	215	0.202877	0.898862	0.63048	1	Decreased Expression with Increasing Exponent
SAGIV_CD24_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SAGIV_CD24_TARGETS_UP	79	0.134693	0.49653	0.994094	1	Decreased Expression with Increasing Exponent
SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_UP	85	0.173798	0.641339	0.938856	1	Decreased Expression with Increasing Exponent
SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_RELAPSE_IN_BRAIN_DN	242	0.250247	110,057	0.284848	1	Decreased Expression with Increasing Exponent
SMID_BREAST_CANCER_RELAPSE_IN_BONE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_RELAPSE_IN_BONE_UP	220	0.264409	111,586	0.292276	1	Decreased Expression with Increasing Exponent
SMID_BREAST_CANCER_RELAPSE_IN_LUNG_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_RELAPSE_IN_LUNG_UP	41	0.35622	121,228	0.2	1	Decreased Expression with Increasing Exponent
SMID_BREAST_CANCER_RELAPSE_IN_LIVER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_RELAPSE_IN_LIVER_DN	24	0.294751	0.842953	0.645621	1	Decreased Expression with Increasing Exponent
SMID_BREAST_CANCER_LUMINAL_B_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_LUMINAL_B_UP	412	0.214893	0.950432	0.516878	1	Decreased Expression with Increasing Exponent
SMID_BREAST_CANCER_ERBB2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMID_BREAST_CANCER_ERBB2_UP	418	0.180662	0.767042	0.823409	1	Decreased Expression with Increasing Exponent
BONOME_OVARIAN_CANCER_POOR_SURVIVAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BONOME_OVARIAN_CANCER_POOR_SURVIVAL_UP	104	0.40129	145,476	0.0801603	1	Decreased Expression with Increasing Exponent
BONOME_OVARIAN_CANCER_POOR_SURVIVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BONOME_OVARIAN_CANCER_POOR_SURVIVAL_DN	59	0.165782	0.620026	0.968992	1	Decreased Expression with Increasing Exponent
WILSON_PROTEASES_AT_TUMOR_BONE_INTERFACE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WILSON_PROTEASES_AT_TUMOR_BONE_INTERFACE_UP	58	0.194404	0.715969	0.871542	1	Decreased Expression with Increasing Exponent
WEBER_METHYLATED_HCP_IN_FIBROBLAST_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_HCP_IN_FIBROBLAST_DN	60	0.277527	0.960877	0.503043	1	Decreased Expression with Increasing Exponent
WEBER_METHYLATED_HCP_IN_SPERM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_HCP_IN_SPERM_UP	30	0.317418	0.9959	0.470707	1	Decreased Expression with Increasing Exponent
BASSO_HAIRY_CELL_LEUKEMIA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BASSO_HAIRY_CELL_LEUKEMIA_UP	16	0.324513	0.775646	0.709611	1	Decreased Expression with Increasing Exponent
BERNARD_PPAPDC1B_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BERNARD_PPAPDC1B_TARGETS_UP	127	0.254748	100,107	0.455621	1	Decreased Expression with Increasing Exponent
EHLERS_ANEUPLOIDY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/EHLERS_ANEUPLOIDY_DN	31	0.273409	0.869265	0.616302	1	Decreased Expression with Increasing Exponent
JONES_TCOF1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/JONES_TCOF1_TARGETS	16	0.680596	158,074	0.0595238	1	Decreased Expression with Increasing Exponent
MATZUK_MATERNAL_EFFECT	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_MATERNAL_EFFECT	16	0.253363	0.661216	0.845842	1	Decreased Expression with Increasing Exponent
MATZUK_IMPLANTATION_AND_UTERINE	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_IMPLANTATION_AND_UTERINE	54	0.325333	111,749	0.342466	1	Decreased Expression with Increasing Exponent
MATZUK_STEROIDOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_STEROIDOGENESIS	20	0.246002	0.67385	0.870021	1	Decreased Expression with Increasing Exponent
MATZUK_LUTEAL_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_LUTEAL_GENES	19	0.26694	0.73336	0.790419	1	Decreased Expression with Increasing Exponent
MATZUK_PREOVULATORY_FOLLICLE	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_PREOVULATORY_FOLLICLE	28	0.419994	128,213	0.185567	1	Decreased Expression with Increasing Exponent
MATZUK_MALE_REPRODUCTION_SERTOLI	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_MALE_REPRODUCTION_SERTOLI	63	0.278742	100,434	0.47093	1	Decreased Expression with Increasing Exponent
MATZUK_SPERMATOGONIA	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_SPERMATOGONIA	50	0.212582	0.786108	0.785124	1	Decreased Expression with Increasing Exponent
MATZUK_SPERMATID_DIFFERENTIATION	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_SPERMATID_DIFFERENTIATION	98	0.20695	0.798766	0.742515	1	Decreased Expression with Increasing Exponent
MATZUK_SPERMATOZOA	http://www.broadinstitute.org/gsea/msigdb/cards/MATZUK_SPERMATOZOA	280	0.244867	112,778	0.235417	1	Decreased Expression with Increasing Exponent
CHUNG_BLISTER_CYTOTOXICITY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHUNG_BLISTER_CYTOTOXICITY_UP	296	0.243478	0.986034	0.472763	1	Decreased Expression with Increasing Exponent
WHITEFORD_PEDIATRIC_CANCER_MARKERS	http://www.broadinstitute.org/gsea/msigdb/cards/WHITEFORD_PEDIATRIC_CANCER_MARKERS	268	0.216874	0.592431	0.783203	1	Decreased Expression with Increasing Exponent
GRADE_COLON_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GRADE_COLON_CANCER_DN	69	0.232937	0.913634	0.606855	1	Decreased Expression with Increasing Exponent
LABBE_TGFB1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LABBE_TGFB1_TARGETS_DN	277	0.194718	0.832951	0.737705	1	Decreased Expression with Increasing Exponent
GRATIAS_RETINOBLASTOMA_16Q24	http://www.broadinstitute.org/gsea/msigdb/cards/GRATIAS_RETINOBLASTOMA_16Q24	41	0.354325	108,905	0.370079	1	Decreased Expression with Increasing Exponent
WEST_ADRENOCHORTICAL_CARCINOMA_VS_ADENOMA_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WEST_ADRENOCHORTICAL_CARCINOMA_VS_ADENOMA_UP	39	0.21046	0.687121	0.869388	1	Decreased Expression with Increasing Exponent
RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RAY_TUMORIGENESIS_BY_ERBB2_CDC25A_UP	222	0.233799	103,337	0.41129	1	Decreased Expression with Increasing Exponent
BRUECKNER_TARGETS_OF_MIRLET7A3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BRUECKNER_TARGETS_OF_MIRLET7A3_UP	269	0.193116	0.886744	0.68	1	Decreased Expression with Increasing Exponent
CADWELL_ATG16L1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CADWELL_ATG16L1_TARGETS_DN	209	0.200884	0.935864	0.613169	1	Decreased Expression with Increasing Exponent
BREDEMEYER_RAG_SIGNALING_NOT_VIA_ATM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BREDEMEYER_RAG_SIGNALING_NOT_VIA_ATM_UP	152	0.176698	0.773181	0.856566	1	Decreased Expression with Increasing Exponent
BREDEMEYER_RAG_SIGNALING_NOT_VIA_ATM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BREDEMEYER_RAG_SIGNALING_NOT_VIA_ATM_DN	161	0.160899	0.718009	0.941296	1	Decreased Expression with Increasing Exponent
HUANG_DASATINIB_RESISTANCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUANG_DASATINIB_RESISTANCE_DN	238	0.169475	0.767284	0.873967	1	Decreased Expression with Increasing Exponent
MATTHEWS_SKIN_CARCINOGENESIS_VIA_JUN	http://www.broadinstitute.org/gsea/msigdb/cards/MATTHEWS_SKIN_CARCINOGENESIS_VIA_JUN	41	0.353022	105,852	0.395161	1	Decreased Expression with Increasing Exponent
TAYLOR_METHYLATED_IN_ACUTE_LYMPHOBLASTIC_LEUKEMIA	http://www.broadinstitute.org/gsea/msigdb/cards/TAYLOR_METHYLATED_IN_ACUTE_LYMPHOBLASTIC_L	185	0.194122	0.820431	0.788306	1	Decreased Expression with Increasing Exponent
CHNG_MULTIPLE_MYELOMA_HYPERPLOID_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHNG_MULTIPLE_MYELOMA_HYPERPLOID_DN	99	0.293523	110,787	0.315152	1	Decreased Expression with Increasing Exponent
HUPER_BREAST_BASAL_VS_LUMINAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HUPER_BREAST_BASAL_VS_LUMINAL_DN	132	0.212664	0.797741	0.709278	1	Decreased Expression with Increasing Exponent
MALONEY_RESPONSE_TO_17AAG_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MALONEY_RESPONSE_TO_17AAG_DN	226	0.218721	0.807531	0.718053	1	Decreased Expression with Increasing Exponent
CUI_GLUCOSE_DEPRIVATION	http://www.broadinstitute.org/gsea/msigdb/cards/CUI_GLUCOSE_DEPRIVATION	130	0.22784	0.791065	0.701581	1	Decreased Expression with Increasing Exponent
ALONSO_METASTASIS_EMT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ALONSO_METASTASIS_EMT_DN	18	0.526573	123,475	0.272541	1	Decreased Expression with Increasing Exponent
ALONSO_METASTASIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ALONSO_METASTASIS_DN	76	0.206693	0.72751	0.831933	1	Decreased Expression with Increasing Exponent
CROMER_TUMORIGENESIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CROMER_TUMORIGENESIS_DN	121	0.201882	0.732061	0.82	1	Decreased Expression with Increasing Exponent

KRISHNAN_FURIN_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KRISHNAN_FURIN_TARGETS_DN	32	0.509833	155,422	0.0417495	1	Decreased Expression with Increasing Exponent
YAUCH_HEDGEHOG_SIGNALING_PARACRINE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YAUCH_HEDGEHOG_SIGNALING_PARACRINE_UP	365	0.206444	0.947466	0.58498	1	Decreased Expression with Increasing Exponent
ZHOU_PANCREATIC_ENDOCRINE_PROGENITOR	http://www.broadinstitute.org/gsea/msigdb/cards/ZHOU_PANCREATIC_ENDOCRINE_PROGENITOR	23	0.219504	0.669455	0.898167	1	Decreased Expression with Increasing Exponent
ZHOU_PANCREATIC_BETA_CELL	http://www.broadinstitute.org/gsea/msigdb/cards/ZHOU_PANCREATIC_BETA_CELL	23	0.326846	0.972346	0.499014	1	Decreased Expression with Increasing Exponent
JIANG_TIP30_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IIANG_TIP30_TARGETS_DN	59	0.222746	0.784777	0.735772	1	Decreased Expression with Increasing Exponent
SASAI_TARGETS_OF_CXCR6_AND_PTCH1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SASAI_TARGETS_OF_CXCR6_AND_PTCH1_DN	17	0.227748	0.572113	0.915521	1	Decreased Expression with Increasing Exponent
MIKI_COEXPRESSED_WITH_CYP19A1	http://www.broadinstitute.org/gsea/msigdb/cards/MIKI_COEXPRESSED_WITH_CYP19A1	30	0.331688	0.997028	0.450304	1	Decreased Expression with Increasing Exponent
LEE_LIVER_CANCER_SURVIVAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_LIVER_CANCER_SURVIVAL_UP	386	0.200579	0.815939	0.726141	1	Decreased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_D_CLUSTER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_D_CLUSTER_DN	99	0.184948	0.713745	0.89901	1	Decreased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_C_D_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_C_D_UP	385	0.184393	0.816711	0.752495	1	Decreased Expression with Increasing Exponent
TOOKER_GEMCITABINE_RESISTANCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TOOKER_GEMCITABINE_RESISTANCE_UP	179	0.245428	101,764	0.417647	1	Decreased Expression with Increasing Exponent
FLOTHO_PEDIATRIC_ALL_THERAPY_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FLOTHO_PEDIATRIC_ALL_THERAPY_RESPONSE_DN	67	0.216994	0.826383	0.716535	1	Decreased Expression with Increasing Exponent
SPIRA_SMOKERS_LUNG_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SPIRA_SMOKERS_LUNG_CANCER_DN	76	0.242657	0.77984	0.695391	1	Decreased Expression with Increasing Exponent
RAY_ALZHEIMERS_DISEASE	http://www.broadinstitute.org/gsea/msigdb/cards/RAY_ALZHEIMERS_DISEASE	19	0.195353	0.524447	0.96044	1	Decreased Expression with Increasing Exponent
PIONTEK_PKD1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PIONTEK_PKD1_TARGETS_UP	80	0.223099	0.787047	0.713718	1	Decreased Expression with Increasing Exponent
FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_UP	58	0.414285	143,869	0.0859375	1	Decreased Expression with Increasing Exponent
FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FRASOR_RESPONSE_TO_SERM_OR_FULVESTRANT_DN	103	0.265098	0.766482	0.650763	1	Decreased Expression with Increasing Exponent
ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ICHIBA_GRAFT_VERSUS_HOST_DISEASE_35D_DN	117	0.193956	0.786303	0.811088	1	Decreased Expression with Increasing Exponent
MARSHALL_VIRAL_INFECTION_RESPONSE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MARSHALL_VIRAL_INFECTION_RESPONSE_DN	49	0.287275	0.913117	0.55489	1	Decreased Expression with Increasing Exponent
MARTINELLI_IMMATURE_NEUTROPHIL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MARTINELLI_IMMATURE_NEUTROPHIL_UP	18	0.267604	0.670877	0.800821	1	Decreased Expression with Increasing Exponent
NUTT_GBM_VS_AO_GLIOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NUTT_GBM_VS_AO_GLIOMA_DN	117	0.291512	0.864908	0.600849	1	Decreased Expression with Increasing Exponent
PARK_APL_PATHOGENESIS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PARK_APL_PATHOGENESIS_DN	101	0.163251	0.502416	0.981818	1	Decreased Expression with Increasing Exponent
WU_ALZHEIMER_DISEASE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WU_ALZHEIMER_DISEASE_UP	34	0.201074	0.600935	0.93254	1	Decreased Expression with Increasing Exponent
CHAN_INTERFERON_PRODUCING_DENDRITIC_CELL	http://www.broadinstitute.org/gsea/msigdb/cards/CHAN_INTERFERON_PRODUCING_DENDRITIC_CELL	19	0.535632	130,778	0.191898	1	Decreased Expression with Increasing Exponent
RAY_TARGETS_OF_P210_BCR_ABL_FUSION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/RAY_TARGETS_OF_P210_BCR_ABL_FUSION_UP	54	0.232832	0.806554	0.729508	1	Decreased Expression with Increasing Exponent
RUIZ_TNC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RUIZ_TNC_TARGETS_DN	355	0.13775	0.487365	0.976	1	Decreased Expression with Increasing Exponent
CHANG_CORE_SERUM_RESPONSE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHANG_CORE_SERUM_RESPONSE_UP	477	0.20073	0.723051	0.756436	1	Decreased Expression with Increasing Exponent
CHANG_CYCLING_GENES	http://www.broadinstitute.org/gsea/msigdb/cards/CHANG_CYCLING_GENES	334	0.195988	0.570095	0.787276	1	Decreased Expression with Increasing Exponent
VANASSE_BCL2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANASSE_BCL2_TARGETS_UP	142	0.189478	0.719607	0.854	1	Decreased Expression with Increasing Exponent
VANTVEER_BREAST_CANCER_ESR1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANTVEER_BREAST_CANCER_ESR1_UP	413	0.168674	0.806718	0.876356	1	Decreased Expression with Increasing Exponent
VANTVEER_BREAST_CANCER_BRCA1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANTVEER_BREAST_CANCER_BRCA1_UP	115	0.214695	0.82655	0.704591	1	Decreased Expression with Increasing Exponent
VANTVEER_BREAST_CANCER_BRCA1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANTVEER_BREAST_CANCER_BRCA1_DN	117	0.159117	0.614033	0.966245	1	Decreased Expression with Increasing Exponent
WALLACE_JAK2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WALLACE_JAK2_TARGETS_UP	70	0.280128	104,759	0.380671	1	Decreased Expression with Increasing Exponent
HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_PRE_BI_TO_LARGE_PRE_BII_LYMPHOCYT	108	0.213165	0.910968	0.622318	1	Decreased Expression with Increasing Exponent
HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_LARGE_TO_SMALL_PRE_BII_LYMPHOCYT	101	0.14183	0.46198	0.944551	1	Decreased Expression with Increasing Exponent
HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCYTE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFFMANN_IMMATURE_TO_MATURE_B_LYMPHOCY	119	0.169056	0.684184	0.956701	1	Decreased Expression with Increasing Exponent
HOFMANN_MYELODYSPLASTIC_SYNDROM_HIGH_RISK_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOFMANN_MYELODYSPLASTIC_SYNDROM_HIGH_RIS	27	0.291321	0.891166	0.605263	1	Decreased Expression with Increasing Exponent
HOFMANN_MYELODYSPLASTIC_SYNDROM_HIGH_RISK_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOFMANN_MYELODYSPLASTIC_SYNDROM_HIGH_RIS	54	0.276297	100,342	0.437759	1	Decreased Expression with Increasing Exponent
LEE_EARLY_T_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_EARLY_T_LYMPHOCYTE_UP	236	0.217646	0.640314	0.746589	1	Decreased Expression with Increasing Exponent
LEE_DOUBLE_POLAR_THYMOCYTE	http://www.broadinstitute.org/gsea/msigdb/cards/LEE_DOUBLE_POLAR_THYMOCYTE	57	0.217417	0.847167	0.734568	1	Decreased Expression with Increasing Exponent
BRUNEAU_SEPTATION_VENTRICULAR	http://www.broadinstitute.org/gsea/msigdb/cards/BRUNEAU_SEPTATION_VENTRICULAR	35	0.302069	0.904044	0.54326	1	Decreased Expression with Increasing Exponent
ZHANG_TLX_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZHANG_TLX_TARGETS_UP	198	0.231911	0.640441	0.759296	1	Decreased Expression with Increasing Exponent
MELLMAN_TUT1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MELLMAN_TUT1_TARGETS_UP	61	0.240086	0.765661	0.761523	1	Decreased Expression with Increasing Exponent
MIKKELSEN_PLURIPOTENT_STATE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_PLURIPOTENT_STATE_UP	20	0.372378	109,471	0.353293	1	Decreased Expression with Increasing Exponent
MIKKELSEN_PLURIPOTENT_STATE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_PLURIPOTENT_STATE_DN	27	0.295271	0.77441	0.7154	1	Decreased Expression with Increasing Exponent
MIKKELSEN_PARTIALLY_REPROGRAMMED_TO_PLURIPOTENCY	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_PARTIALLY_REPROGRAMMED_TO_PLURIF	23	0.235899	0.700464	0.85	1	Decreased Expression with Increasing Exponent
ELLWOOD_MYC_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ELLWOOD_MYC_TARGETS_DN	100	0.243323	100,613	0.448203	1	Decreased Expression with Increasing Exponent
SHAFFER_IRF4_TARGETS_IN_ACTIVATED_B_LYMPHOCYTE	http://www.broadinstitute.org/gsea/msigdb/cards/SHAFFER_IRF4_TARGETS_IN_ACTIVATED_B_LYMPHOC	217	0.154349	0.630511	0.962227	1	Decreased Expression with Increasing Exponent
MEISSNER_NPC_HCP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_NPC_HCP_WITH_H3K27ME3	134	0.243863	0.858088	0.638384	1	Decreased Expression with Increasing Exponent
MEISSNER_NPC_HCP_WITH_H3K4ME3_AND_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_NPC_HCP_WITH_H3K4ME3_AND_H3K27M	285	0.15721	0.624474	0.970711	1	Decreased Expression with Increasing Exponent
MEISSNER_BRAIN_HCP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_BRAIN_HCP_WITH_H3K27ME3	449	0.226987	0.872853	0.613412	1	Decreased Expression with Increasing Exponent
MEISSNER_BRAIN_HCP_WITH_H3_UNMETHYLATED	http://www.broadinstitute.org/gsea/msigdb/cards/MEISSNER_BRAIN_HCP_WITH_H3_UNMETHYLATED	64	0.272681	0.923838	0.557957	1	Decreased Expression with Increasing Exponent
WENDT_COHESIN_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WENDT_COHESIN_TARGETS_UP	123	0.233456	0.857438	0.633891	1	Decreased Expression with Increasing Exponent
FERRANDO_HOX11_NEIGHBORS	http://www.broadinstitute.org/gsea/msigdb/cards/FERRANDO_HOX11_NEIGHBORS	50	0.192417	0.578959	0.92986	1	Decreased Expression with Increasing Exponent
CHEOK_RESPONSE_TO_MERCAPTOPURINE_AND_HD_MTX_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHEOK_RESPONSE_TO_MERCAPTOPURINE_AND_HD_	57	0.190927	0.668666	0.907258	1	Decreased Expression with Increasing Exponent
ZHAN_EARLY_DIFFERENTIATION_GENES_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_EARLY_DIFFERENTIATION_GENES_DN	89	0.175697	0.656485	0.936508	1	Decreased Expression with Increasing Exponent
CROONQUIST_IL6_DEPRIVATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CROONQUIST_IL6_DEPRIVATION_DN	212	0.271989	0.721852	0.671233	1	Decreased Expression with Increasing Exponent
CROONQUIST_NRAS_SIGNALING_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CROONQUIST_NRAS_SIGNALING_DN	149	0.307041	0.768616	0.671233	1	Decreased Expression with Increasing Exponent
CROONQUIST_NRAS_VS_STROMAL_STIMULATION_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CROONQUIST_NRAS_VS_STROMAL_STIMULATION_UP	132	0.261031	0.949692	0.537255	1	Decreased Expression with Increasing Exponent
ISHIDA_E2F_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/ISHIDA_E2F_TARGETS	98	0.327079	0.748336	0.697087	1	Decreased Expression with Increasing Exponent
VALK_AML_CLUSTER_4	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_4	63	0.21973	0.756131	0.784394	1	Decreased Expression with Increasing Exponent
VALK_AML_CLUSTER_7	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_7	92	0.120275	0.413199	1	1	Decreased Expression with Increasing Exponent
VALK_AML_CLUSTER_9	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_9	79	0.30835	0.999086	0.452138	1	Decreased Expression with Increasing Exponent
VALK_AML_CLUSTER_10	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_10	118	0.264147	100,583	0.421053	1	Decreased Expression with Increasing Exponent
VALK_AML_CLUSTER_12	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_CLUSTER_12	83	0.255528	0.910198	0.572939	1	Decreased Expression with Increasing Exponent
VALK_AML_WITH_T_8_21_TRANSLOCATION	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_WITH_T_8_21_TRANSLOCATION	21	0.400493	0.970117	0.504098	1	Decreased Expression with Increasing Exponent
VALK_AML_WITH_EV1	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_WITH_EV1	90	0.253969	0.891054	0.581028	1	Decreased Expression with Increasing Exponent
VALK_AML_WITH_CEBPA	http://www.broadinstitute.org/gsea/msigdb/cards/VALK_AML_WITH_CEBPA	118	0.208422	0.761135	0.803181	1	Decreased Expression with Increasing Exponent
POOLA_INVASIVE_BREAST_CANCER_DN	http://www.broadinstitute.org/gsea/msigdb/cards/POOLA_INVASIVE_BREAST_CANCER_DN	375	0.184379	0.826692	0.758483	1	Decreased Expression with Increasing Exponent
DING_LUNG_CANCER_MUTATED_RECURRENTLY	http://www.broadinstitute.org/gsea/msigdb/cards/DING_LUNG_CANCER_MUTATED_RECURRENTLY	24	0.280725	0.735915	0.712062	1	Decreased Expression with Increasing Exponent
DING_LUNG_CANCER_BY_MUTATION_RATE	http://www.broadinstitute.org/gsea/msigdb/cards/DING_LUNG_CANCER_BY_MUTATION_RATE	58	0.236342	0.786577	0.724752	1	Decreased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G1_DN	108	0.223919	0.801695	0.720472	1	Decreased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G3_DN	117	0.393365	133,965	0.15261	1	Decreased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G6_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G6_UP	162	0.244462	103,622	0.381048	1	Decreased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G12_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G12_DN	33	0.261039	0.71549	0.804829	1	Decreased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G23_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G23_DN	25	0.395529	112,689	0.327381	1	Decreased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G56_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G56_UP	35	0.542933	162,377	0.0323887	1	Decreased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G123_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G123_UP	121	0.165564	0.507931	0.958661	1	Decreased Expression with Increasing Exponent
BOYAUULT_LIVER_CANCER_SUBCLASS_G123_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYAUULT_LIVER_CANCER_SUBCLASS_G123_DN	109	0.348511	131,835	0.138196	1	Decreased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_CTNNB1_UP	375	0.236964	102,057	0.44334	1	Decreased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_PROLIFERATION_I	345	0.331991	12,809	0.152439	1	Decreased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_POLYSOMY7_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_POLYSOMY7_UP	145	0.239893	101,501	0.421471	1	Decreased Expression with Increasing Exponent
CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHIANG_LIVER_CANCER_SUBCLASS_UNANNOTATED_I	370	0.172668	0.577948	0.907336	1	Decreased Expression with Increasing Exponent
COULOUARN_TEMPORAL_TGFB1_SIGNATURE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/COULOUARN_TEMPORAL_TGFB1_SIGNATURE_DN	351	0.200535	0.873617	0.680894	1	Decreased Expression with Increasing Exponent
YAMASHITA_LIVER_CANCER_STEM_CELL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/YAMASHITA_LIVER_CANCER_STEM_CELL_UP	140	0.215084	0.910948	0.594017	1	Decreased Expression with Increasing Exponent
YAMASHITA_LIVER_CANCER_STEM_CELL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YAMASHITA_LIVER_CANCER_STEM_CELL_DN	174	0.206441	0.775216	0.78	1	Decreased Expression with Increasing Exponent
WOO_LIVER_CANCER_RECURRENCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WOO_LIVER_CANCER_RECURRENCE_DN	172	0.2347	0.824974	0.674134	1	Decreased Expression with Increasing Exponent
YAMANAKA_GLIOMASTOMA_SURVIVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/YAMANAKA_GLIOMASTOMA_SURVIVAL_DN	23	0.243799	0.634073	0.884	1	Decreased Expression with Increasing Exponent
MONTERO_THYROID_CANCER_POOR_SURVIVAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MONTERO_THYROID_CANCER_POOR_SURVIVAL_UP	26	0.236836	0.48032	0.888889	1	Decreased Expression with Increasing Exponent
MONTERO_THYROID_CANCER_POOR_SURVIVAL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/MONTERO_THYROID_CANCER_POOR_SURVIVAL_DN	33	0.24561	0.777945	0.743434	1	Decreased Expression with Increasing Exponent
MIKKELSEN_MCV6_ICP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MCV6_ICP_WITH_H3K27ME3	124	0.190511	0.691277	0.876797	1	Decreased Expression with Increasing Exponent
MIKKELSEN_MCV6_LCP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MCV6_LCP_WITH_H3K27ME3	28	0.447685	129,525	0.178357	1	Decreased Expression with Increasing Exponent
MIKKELSEN_MEF_ICP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MEF_ICP_WITH_H3K27ME3	347	0.202809	0.779079	0.770213	1	Decreased Expression with Increasing Exponent
MIKKELSEN_MEF_LCP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MEF_LCP_WITH_H3K27ME3	105	0.318988	105,386	0.410901	1	Decreased Expression with Increasing Exponent
MIKKELSEN_IPS_HCP_WITH_H3_UNMETHYLATED	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_IPS_HCP_WITH_H3_UNMETHYLATED	134	0.242278	0.965513	0.506098	1	Decreased Expression with Increasing Exponent
MIKKELSEN_IPS_ICP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_IPS_ICP_WITH_H3K27ME3	97	0.176231	0.64109	0.937759	1	Decreased Expression with Increasing Exponent
MIKKELSEN_IPS_LCP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_IPS_LCP_WITH_H3K27ME3	22	0.499052	130,717	0.201195	1	Decreased Expression with Increasing Exponent
MIKKELSEN_IPS_LCP_WITH_H3K4ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_IPS_LCP_WITH_H3K4ME3	298	0.170593	0.622806	0.929006	1	Decreased Expression with Increasing Exponent

GLINSKY_CANCER_DEATH_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GLINSKY_CANCER_DEATH_UP	20	0.337776	0.861968	0.577603	1	Decreased Expression with Increasing Exponent
KUROKAWA_LIVER_CANCER_EARLY_RECURRENCE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KUROKAWA_LIVER_CANCER_EARLY_RECURRENCE_UP	29	0.362064	114,568	0.248532	1	Decreased Expression with Increasing Exponent
KUROKAWA_LIVER_CANCER_EARLY_RECURRENCE_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KUROKAWA_LIVER_CANCER_EARLY_RECURRENCE_DN	16	0.584608	136,092	0.177481	1	Decreased Expression with Increasing Exponent
KESHELAVA_MULTIPLE_DRUG_RESISTANCE	http://www.broadinstitute.org/gsea/msigdb/cards/KESHELAVA_MULTIPLE_DRUG_RESISTANCE	246	0.175705	0.70363	0.892276	1	Decreased Expression with Increasing Exponent
LI_PROSTATE_CANCER_EPIGENETIC	http://www.broadinstitute.org/gsea/msigdb/cards/LI_PROSTATE_CANCER_EPIGENETIC	97	0.210322	0.779196	0.756972	1	Decreased Expression with Increasing Exponent
FONTAINE_PAPILLARY_THYROID_CARCINOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FONTAINE_PAPILLARY_THYROID_CARCINOMA_DN	171	0.157078	0.660733	0.975309	1	Decreased Expression with Increasing Exponent
LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_QTL	http://www.broadinstitute.org/gsea/msigdb/cards/LIANG_HEMATOPOIESIS_STEM_CELL_NUMBER_QTL	44	0.27483	0.921054	0.581741	1	Decreased Expression with Increasing Exponent
WEBER_METHYLATED_ICP_IN_FIBROBLAST	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_ICP_IN_FIBROBLAST	34	0.301379	0.946317	0.512821	1	Decreased Expression with Increasing Exponent
WEBER_METHYLATED_ICP_IN_SPERM_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_ICP_IN_SPERM_DN	21	0.333643	0.903734	0.570858	1	Decreased Expression with Increasing Exponent
WEBER_METHYLATED_LCP_IN_SPERM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WEBER_METHYLATED_LCP_IN_SPERM_UP	18	0.285101	0.771459	0.741036	1	Decreased Expression with Increasing Exponent
STEIN_ESR1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/STEIN_ESR1_TARGETS	219	0.184418	0.703763	0.819767	1	Decreased Expression with Increasing Exponent
STEIN_ESTROGEN_RESPONSE_NOT_VIA_ESRRA	http://www.broadinstitute.org/gsea/msigdb/cards/STEIN_ESTROGEN_RESPONSE_NOT_VIA_ESRRA	44	0.313496	112,528	0.275591	1	Decreased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_PCA1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_PCA1_DN	19	0.23907	0.595668	0.908549	1	Decreased Expression with Increasing Exponent
BOYLAN_MULTIPLE_MYELOMA_PCA3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BOYLAN_MULTIPLE_MYELOMA_PCA3_DN	165	0.196236	0.80123	0.765748	1	Decreased Expression with Increasing Exponent
CAIRO_LIVER_DEVELOPMENT_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CAIRO_LIVER_DEVELOPMENT_DN	447	0.166436	0.70178	0.927165	1	Decreased Expression with Increasing Exponent
GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GUTIERREZ_WALDENSTROEMS_MACROGLOBULINEMIA_1_UP	31	0.264318	0.760274	0.738	1	Decreased Expression with Increasing Exponent
GUTIERREZ_MULTIPLE_MYELOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GUTIERREZ_MULTIPLE_MYELOMA_DN	104	0.300129	0.981248	0.462598	1	Decreased Expression with Increasing Exponent
WINNEPENNINGCK_MELANOMA_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WINNEPENNINGCK_MELANOMA_METASTASIS_UP	374	0.158429	0.479989	0.904854	1	Decreased Expression with Increasing Exponent
HAHTOLA_CTCL_PATHOGENESIS	http://www.broadinstitute.org/gsea/msigdb/cards/HAHTOLA_CTCL_PATHOGENESIS	33	0.321509	0.852084	0.615546	1	Decreased Expression with Increasing Exponent
VANTVEER_BREAST_CANCER_POOR_PROGNOSIS	http://www.broadinstitute.org/gsea/msigdb/cards/VANTVEER_BREAST_CANCER_POOR_PROGNOSIS	123	0.241574	0.836094	0.658153	1	Decreased Expression with Increasing Exponent
KYNG_WERNER_SYNDROM_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_WERNER_SYNDROM_UP	54	0.201277	0.739962	0.847423	1	Decreased Expression with Increasing Exponent
CHIARETTI_T_ALL_REFRACTORY_TO_THERAPY	http://www.broadinstitute.org/gsea/msigdb/cards/CHIARETTI_T_ALL_REFRACTORY_TO_THERAPY	71	0.193097	0.765846	0.835417	1	Decreased Expression with Increasing Exponent
BYSTRYKH_HEMATOPOIESIS_STEM_CELL_IL3RA	http://www.broadinstitute.org/gsea/msigdb/cards/BYSTRYKH_HEMATOPOIESIS_STEM_CELL_IL3RA	16	0.311131	0.813581	0.658777	1	Decreased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_LB_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_LB_DN	89	0.188566	0.614437	0.886179	1	Decreased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_MF_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_MF_DN	105	0.251824	0.915417	0.535642	1	Decreased Expression with Increasing Exponent
ZHAN_MULTIPLE_MYELOMA_MS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZHAN_MULTIPLE_MYELOMA_MS_DN	117	0.174853	0.707316	0.917526	1	Decreased Expression with Increasing Exponent
NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NAKAYAMA_SOFT_TISSUE_TUMORS_PCA1_DN	200	0.295548	11,118	0.329243	1	Decreased Expression with Increasing Exponent
MIKKELSEN_ES_HCP_WITH_H3_UNMETHYLATED	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_ES_HCP_WITH_H3_UNMETHYLATED	121	0.294107	112,548	0.304904	1	Decreased Expression with Increasing Exponent
MIKKELSEN_ES_ICP_WITH_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_ES_ICP_WITH_H3K27ME3	66	0.234058	0.785158	0.722	1	Decreased Expression with Increasing Exponent
MIKKELSEN_ES_LCP_WITH_H3K4ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_ES_LCP_WITH_H3K4ME3	242	0.203611	0.729976	0.787321	1	Decreased Expression with Increasing Exponent
MIKKELSEN_NPC_HCP_WITH_H3K4ME3_AND_H3K27ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_NPC_HCP_WITH_H3K4ME3_AND_H3K27ME3	442	0.193572	0.799526	0.743158	1	Decreased Expression with Increasing Exponent
MIKKELSEN_NPC_LCP_WITH_H3K4ME3	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_NPC_LCP_WITH_H3K4ME3	125	0.190239	0.715887	0.85447	1	Decreased Expression with Increasing Exponent
MIKKELSEN_MEF_HCP_WITH_H3_UNMETHYLATED	http://www.broadinstitute.org/gsea/msigdb/cards/MIKKELSEN_MEF_HCP_WITH_H3_UNMETHYLATED	396	0.204694	0.862634	0.697959	1	Decreased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_0	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_0	193	0.18223	0.721752	0.880808	1	Decreased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_3	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_3	77	0.348381	121,119	0.238956	1	Decreased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_9	192	0.240474	107,268	0.341897	1	Decreased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_11	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_11	234	0.166649	0.636577	0.967347	1	Decreased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_12	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_12	198	0.19477	0.790408	0.779528	1	Decreased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_13	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_13	329	0.395036	147,624	0.0856031	1	Decreased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_15	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_15	86	0.235572	0.868484	0.633267	1	Decreased Expression with Increasing Exponent
YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17	http://www.broadinstitute.org/gsea/msigdb/cards/YAO_TEMPORAL_RESPONSE_TO_PROGESTERONE_CLUSTER_17	415	0.244363	0.91271	0.583497	1	Decreased Expression with Increasing Exponent
SENGUPTA_EBNA1_ANTICORRELATED	http://www.broadinstitute.org/gsea/msigdb/cards/SENGUPTA_EBNA1_ANTICORRELATED	452	0.174594	0.721587	0.903689	1	Decreased Expression with Increasing Exponent
MOOTHA_PYR	http://www.broadinstitute.org/gsea/msigdb/cards/MOOTHA_PYR	20	0.448905	112,144	0.351967	1	Decreased Expression with Increasing Exponent
MOOTHA_FFA_OXYDATION	http://www.broadinstitute.org/gsea/msigdb/cards/MOOTHA_FFA_OXYDATION	52	0.457035	143,884	0.0808081	1	Decreased Expression with Increasing Exponent
MOOTHA_GLYCOGEN_METABOLISM	http://www.broadinstitute.org/gsea/msigdb/cards/MOOTHA_GLYCOGEN_METABOLISM	43	0.318938	110,499	0.323353	1	Decreased Expression with Increasing Exponent
RAMPON_ENRICHED_LEARNING_ENVIRONMENT_EARLY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/RAMPON_ENRICHED_LEARNING_ENVIRONMENT_EARLY_DN	31	0.494643	14,502	0.101338	1	Decreased Expression with Increasing Exponent
BAUS_TFF2_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BAUS_TFF2_TARGETS_UP	101	0.274399	0.908772	0.533066	1	Decreased Expression with Increasing Exponent
BAUS_TFF2_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BAUS_TFF2_TARGETS_DN	27	0.282645	0.868868	0.628968	1	Decreased Expression with Increasing Exponent
HO_LIVER_CANCER_VASCULAR_INVASION	http://www.broadinstitute.org/gsea/msigdb/cards/HO_LIVER_CANCER_VASCULAR_INVASION	28	0.367999	120,374	0.208577	1	Decreased Expression with Increasing Exponent
MURAKAMI_UV_RESPONSE_1HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MURAKAMI_UV_RESPONSE_1HR_UP	34	0.245088	0.745998	0.793436	1	Decreased Expression with Increasing Exponent
KYNG_RESPONSE_TO_H2O2_VIA_ERCC6_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KYNG_RESPONSE_TO_H2O2_VIA_ERCC6_UP	116	0.192036	0.744925	0.854617	1	Decreased Expression with Increasing Exponent
VISALA_AGING_LYMPHOCYTE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VISALA_AGING_LYMPHOCYTE_UP	30	0.221571	0.643152	0.86747	1	Decreased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_FLUOROURACIL	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_FLUOROURACIL	40	0.233709	0.85498	0.710059	1	Decreased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_CISPLATIN	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_CISPLATIN	44	0.305417	109,788	0.307071	1	Decreased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_CYCLOPHOSPHAMIDE	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_CYCLOPHOSPHAMIDE	43	0.275694	0.875615	0.615385	1	Decreased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_VINCRISTINE	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_VINCRISTINE	44	0.281286	100,398	0.450704	1	Decreased Expression with Increasing Exponent
ZEMBUTSU_SENSITIVITY_TO_VINBLASTINE	http://www.broadinstitute.org/gsea/msigdb/cards/ZEMBUTSU_SENSITIVITY_TO_VINBLASTINE	65	0.296971	102,082	0.435052	1	Decreased Expression with Increasing Exponent
NIELSEN_GIST	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_GIST	272	0.244415	0.933277	0.543568	1	Decreased Expression with Increasing Exponent
NIELSEN_MALIGNANT_FIBROUS_HISTIOCYTOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_MALIGNANT_FIBROUS_HISTIOCYTOMA_DN	60	0.30163	102,137	0.426035	1	Decreased Expression with Increasing Exponent
NIELSEN_SCHWANNOMA_DN	http://www.broadinstitute.org/gsea/msigdb/cards/NIELSEN_SCHWANNOMA_DN	55	0.236919	0.79945	0.71831	1	Decreased Expression with Increasing Exponent
BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_24HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BANDRES_RESPONSE_TO_CARMUSTIN_MGMT_24HR_UP	18	0.408371	118,842	0.269461	1	Decreased Expression with Increasing Exponent
WHITFIELD_CELL_CYCLE_LITERATURE	http://www.broadinstitute.org/gsea/msigdb/cards/WHITFIELD_CELL_CYCLE_LITERATURE	95	0.218733	0.530431	0.829126	1	Decreased Expression with Increasing Exponent
JIANG_HYPOXIA_VIA_VHL	http://www.broadinstitute.org/gsea/msigdb/cards/JIANG_HYPOXIA_VIA_VHL	107	0.229285	0.803627	0.694118	1	Decreased Expression with Increasing Exponent
WU_APOPTOSIS_BY_CDKN1A_VIA_TP53	http://www.broadinstitute.org/gsea/msigdb/cards/WU_APOPTOSIS_BY_CDKN1A_VIA_TP53	113	0.192064	0.481363	0.858268	1	Decreased Expression with Increasing Exponent
SASSON_RESPONSE_TO_FORSKOLIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SASSON_RESPONSE_TO_FORSKOLIN_UP	269	0.160511	0.645037	0.946322	1	Decreased Expression with Increasing Exponent
BAE_BRCA1_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BAE_BRCA1_TARGETS_UP	188	0.201886	0.80003	0.747628	1	Decreased Expression with Increasing Exponent
BROWNE_HCMV_INFECTION_1HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/BROWNE_HCMV_INFECTION_1HR_UP	168	0.223582	0.934518	0.536145	1	Decreased Expression with Increasing Exponent
WHITFIELD_CELL_CYCLE_G1_S	http://www.broadinstitute.org/gsea/msigdb/cards/WHITFIELD_CELL_CYCLE_G1_S	375	0.133601	0.512994	0.998062	1	Decreased Expression with Increasing Exponent
WANG_METASTASIS_OF_BREAST_CANCER_ESR1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_METASTASIS_OF_BREAST_CANCER_ESR1_UP	57	0.253862	0.70602	0.756385	1	Decreased Expression with Increasing Exponent
WANG_METASTASIS_OF_BREAST_CANCER	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_METASTASIS_OF_BREAST_CANCER	35	0.245627	0.829132	0.710359	1	Decreased Expression with Increasing Exponent
NOUSHMEHR_GBM_SOMATIC_MUTATED	http://www.broadinstitute.org/gsea/msigdb/cards/NOUSHMEHR_GBM_SOMATIC_MUTATED	35	0.24158	0.733565	0.809717	1	Decreased Expression with Increasing Exponent
NOUSHMEHR_GBM_SILENCED_BY_METHYLATION	http://www.broadinstitute.org/gsea/msigdb/cards/NOUSHMEHR_GBM_SILENCED_BY_METHYLATION	80	0.181523	0.460378	0.945455	1	Decreased Expression with Increasing Exponent
STAMBOLSKY_TARGETS_OF_MUTATED_TP53_DN	http://www.broadinstitute.org/gsea/msigdb/cards/STAMBOLSKY_TARGETS_OF_MUTATED_TP53_DN	112	0.163312	0.503909	0.929897	1	Decreased Expression with Increasing Exponent
KIM_ALL_DISORDERS_OLIGODENDROCYTE_NUMBER_CORR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_ALL_DISORDERS_OLIGODENDROCYTE_NUMBER_CORR_DN	102	0.164206	0.580745	0.963489	1	Decreased Expression with Increasing Exponent
KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_CORR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_BIPOLAR_DISORDER_OLIGODENDROCYTE_DENSITY_CORR_DN	154	0.340621	129,778	0.142857	1	Decreased Expression with Increasing Exponent
KIM_ALL_DISORDERS_DURATION_CORR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_ALL_DISORDERS_DURATION_CORR_DN	265	0.326878	132,137	0.137931	1	Decreased Expression with Increasing Exponent
VERHAAK_GLIOBLASTOMA_NEURAL	http://www.broadinstitute.org/gsea/msigdb/cards/VERHAAK_GLIOBLASTOMA_NEURAL	285	0.265225	0.787719	0.651116	1	Decreased Expression with Increasing Exponent
CHICAS_RB1_TARGETS_LOW_SERUM	http://www.broadinstitute.org/gsea/msigdb/cards/CHICAS_RB1_TARGETS_LOW_SERUM	252	0.264301	104,326	0.381958	1	Decreased Expression with Increasing Exponent
GREGORY_SYNTHETIC_LETHAL_WITH_IMATINIB	http://www.broadinstitute.org/gsea/msigdb/cards/GREGORY_SYNTHETIC_LETHAL_WITH_IMATINIB	500	0.17047	0.825158	0.85124	1	Decreased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_1_UP	241	0.157891	0.746167	0.949896	1	Decreased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_3_UP	349	0.166444	0.792497	0.901575	1	Decreased Expression with Increasing Exponent
FIGUEROA_AML_METHYLATION_CLUSTER_6_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FIGUEROA_AML_METHYLATION_CLUSTER_6_DN	52	0.249211	0.933679	0.566116	1	Decreased Expression with Increasing Exponent
LI_DCP2_BOUND_MRNA	http://www.broadinstitute.org/gsea/msigdb/cards/LI_DCP2_BOUND_MRNA	212	0.220549	0.849204	0.626719	1	Decreased Expression with Increasing Exponent
THILLAINADESAN_ZNF217_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/THILLAINADESAN_ZNF217_TARGETS_DN	17	0.310649	0.902953	0.591919	1	Decreased Expression with Increasing Exponent
PHESSSE_TARGETS_OF_APC_AND_MBD2_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PHESSSE_TARGETS_OF_APC_AND_MBD2_UP	35	0.370485	13,236	0.106719	1	Decreased Expression with Increasing Exponent
PHESSSE_TARGETS_OF_APC_AND_MBD2_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PHESSSE_TARGETS_OF_APC_AND_MBD2_DN	32	0.209333	0.598194	0.884328	1	Decreased Expression with Increasing Exponent
ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ACOSTA_PROLIFERATION_INDEPENDENT_MYC_TARGETS_UP	189	0.215129	0.881062	0.619329	1	Decreased Expression with Increasing Exponent
JOHNSTONE_PARVB_TARGETS_1_UP	http://www.broadinstitute.org/gsea/msigdb/cards/JOHNSTONE_PARVB_TARGETS_1_UP	24	0.276544	0.739404	0.758065	1	Decreased Expression with Increasing Exponent
JOHNSTONE_PARVB_TARGETS_1_DN	http://www.broadinstitute.org/gsea/msigdb/cards/JOHNSTONE_PARVB_TARGETS_1_DN	215	0.191088	0.733463	0.819417	1	Decreased Expression with Increasing Exponent
BRUINS_UVC_RESPONSE_MIDDLE	http://www.broadinstitute.org/gsea/msigdb/cards/BRUINS_UVC_RESPONSE_MIDDLE	196	0.228242	101,397	0.42485	1	Decreased Expression with Increasing Exponent
CERIBELLI_PROMOTERS_INACTIVE_AND_BOUND_BY_NFY	http://www.broadinstitute.org/gsea/msigdb/cards/CERIBELLI_PROMOTERS_INACTIVE_AND_BOUND_BY_NFY	79	0.188093	0.711379	0.883534	1	Decreased Expression with Increasing Exponent
CERIBELLI_GENES_INACTIVE_AND_BOUND_BY_NFY	http://www.broadinstitute.org/gsea/msigdb/cards/CERIBELLI_GENES_INACTIVE_AND_BOUND_BY_NFY	75	0.203663	0.793661	0.784519	1	Decreased Expression with Increasing Exponent
KIM_GLI52_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_GLI52_TARGETS_DN	18	0.186982	0.507259	0.972399	1	Decreased Expression with Increasing Exponent
MIKHAYLOVA_OXIDATIVE_STRESS_RESPONSE_VIA_VHL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/MIKHAYLOVA_OXIDATIVE_STRESS_RESPONSE_VIA_VHL_UP	19	0.52447	131,681	0.158763	1	Decreased Expression with Increasing Exponent
KIM_PTEN_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/KIM_PTEN_TARGETS_UP	56	0.289617	0.947654	0.501014	1	Decreased Expression with Increasing Exponent
MAEKAWA_ATF2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/MAEKAWA_ATF2_TARGETS	48	0.267843	102,059	0.415534	1	Decreased Expression with Increasing Exponent
CHANGOLKAR_H2AFY_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHANGOLKAR_H2AFY_TARGETS_UP	132	0.164173	0.677385	0.940358	1	Decreased Expression with Increasing Exponent
PASINI_SUZ12_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PASINI_SUZ12_TARGETS_UP	228	0.178171	0.777895	0.898	1	Decreased Expression with Increasing Exponent

BAKKER_FOXO3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/BAKKER_FOXO3_TARGETS_DN	457	0.184136	0.94628	0.59751	1	Decreased Expression with Increasing Exponent
VANDESLUIS_COMMD1_TARGETS_GROUP_3_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANDESLUIS_COMMD1_TARGETS_GROUP_3_UP	191	0.193897	0.757382	0.805785	1	Decreased Expression with Increasing Exponent
SUMI_HNF4A_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SUMI_HNF4A_TARGETS	74	0.301521	107,752	0.36345	1	Decreased Expression with Increasing Exponent
WANG_NFKB_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_NFKB_TARGETS	42	0.285485	0.905325	0.556452	1	Decreased Expression with Increasing Exponent
AZARE_NEOPLASTIC_TRANSFORMATION_BY_STAT3_DN	http://www.broadinstitute.org/gsea/msigdb/cards/AZARE_NEOPLASTIC_TRANSFORMATION_BY_STAT3_DN	37	0.2565	0.812011	0.724806	1	Decreased Expression with Increasing Exponent
DELPUECH_FOXO3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/DELPUECH_FOXO3_TARGETS_DN	91	0.226399	0.733314	0.760314	1	Decreased Expression with Increasing Exponent
FARDIN_HYPOXIA_9	http://www.broadinstitute.org/gsea/msigdb/cards/FARDIN_HYPOXIA_9	20	0.161807	0.3397	0.988095	1	Decreased Expression with Increasing Exponent
VANLOO_SP3_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/VANLOO_SP3_TARGETS_UP	16	0.258176	0.694643	0.810757	1	Decreased Expression with Increasing Exponent
VANLOO_SP3_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/VANLOO_SP3_TARGETS_DN	173	0.262624	0.980808	0.472279	1	Decreased Expression with Increasing Exponent
YUAN_ZNF143_PARTNERS	http://www.broadinstitute.org/gsea/msigdb/cards/YUAN_ZNF143_PARTNERS	67	0.148917	0.49844	0.983773	1	Decreased Expression with Increasing Exponent
TERAO_AOX4_TARGETS_HG_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TERAO_AOX4_TARGETS_HG_UP	79	0.240026	0.890887	0.611429	1	Decreased Expression with Increasing Exponent
TERAO_AOX4_TARGETS_SKIN_UP	http://www.broadinstitute.org/gsea/msigdb/cards/TERAO_AOX4_TARGETS_SKIN_UP	93	0.173559	0.65809	0.946392	1	Decreased Expression with Increasing Exponent
TERAO_AOX4_TARGETS_SKIN_DN	http://www.broadinstitute.org/gsea/msigdb/cards/TERAO_AOX4_TARGETS_SKIN_DN	70	0.183655	0.662295	0.924211	1	Decreased Expression with Increasing Exponent
IKEDA_MIR1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IKEDA_MIR1_TARGETS_DN	24	0.242159	0.696335	0.834646	1	Decreased Expression with Increasing Exponent
IKEDA_MIR133_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/IKEDA_MIR133_TARGETS_DN	31	0.285767	0.862462	0.60274	1	Decreased Expression with Increasing Exponent
SCHMIDT_POR_TARGETS_IN_LIMB_BUD_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SCHMIDT_POR_TARGETS_IN_LIMB_BUD_UP	55	0.28277	0.734844	0.714575	1	Decreased Expression with Increasing Exponent
WANG_THOC1_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/WANG_THOC1_TARGETS_DN	38	0.433448	138,809	0.0963855	1	Decreased Expression with Increasing Exponent
SERVITJA_ISLET_HNF1A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SERVITJA_ISLET_HNF1A_TARGETS_DN	242	0.23254	0.930255	0.565392	1	Decreased Expression with Increasing Exponent
SERVITJA_LIVER_HNF1A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/SERVITJA_LIVER_HNF1A_TARGETS_DN	353	0.156437	0.651105	0.979633	1	Decreased Expression with Increasing Exponent
MADAN_DPPA4_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/MADAN_DPPA4_TARGETS	73	0.247199	0.938299	0.549061	1	Decreased Expression with Increasing Exponent
KOHOUTEK_CCNT1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KOHOUTEK_CCNT1_TARGETS	95	0.258852	0.821876	0.64741	1	Decreased Expression with Increasing Exponent
KOHOUTEK_CCNT2_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KOHOUTEK_CCNT2_TARGETS	101	0.230488	100,896	0.432548	1	Decreased Expression with Increasing Exponent
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_36HR	http://www.broadinstitute.org/gsea/msigdb/cards/WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_36HR	356	0.174411	0.779496	0.880952	1	Decreased Expression with Increasing Exponent
WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_WITH_H4K20ME1	http://www.broadinstitute.org/gsea/msigdb/cards/WAKABAYASHI_ADIPOGENESIS_PPARG_RXRA_BOUND_WITH_H4K20ME1	322	0.290748	11,588	0.272031	1	Decreased Expression with Increasing Exponent
LE_NEURONAL_DIFFERENTIATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/LE_NEURONAL_DIFFERENTIATION_DN	45	0.303675	0.939874	0.522449	1	Decreased Expression with Increasing Exponent
PLASARI_TGFB1_TARGETS_1HR_DN	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_TGFB1_TARGETS_1HR_DN	18	0.586937	125,072	0.270541	1	Decreased Expression with Increasing Exponent
PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PLASARI_TGFB1_SIGNALING_VIA_NFIC_10HR_UP	153	0.192716	0.804279	0.801636	1	Decreased Expression with Increasing Exponent
SANDERSON_PPARA_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/SANDERSON_PPARA_TARGETS	27	0.344037	0.992715	0.454545	1	Decreased Expression with Increasing Exponent
FU_INTERACT_WITH_ALKBH8	http://www.broadinstitute.org/gsea/msigdb/cards/FU_INTERACT_WITH_ALKBH8	26	0.524601	1,303	0.18677	1	Decreased Expression with Increasing Exponent
SUZUKI_CTCFL_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SUZUKI_CTCFL_TARGETS_UP	24	0.349973	103,725	0.42029	1	Decreased Expression with Increasing Exponent
GUILLAUMOND_KLF10_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/GUILLAUMOND_KLF10_TARGETS_UP	112	0.319772	123,906	0.198381	1	Decreased Expression with Increasing Exponent
PEDRIOLI_MIR31_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/PEDRIOLI_MIR31_TARGETS_UP	479	0.195206	0.961921	0.542857	1	Decreased Expression with Increasing Exponent
KINNEY_DNMT1_METHYLATION_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/KINNEY_DNMT1_METHYLATION_TARGETS	19	0.302818	0.865912	0.617476	1	Decreased Expression with Increasing Exponent
FOSTER_KDM1A_TARGETS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/FOSTER_KDM1A_TARGETS_UP	496	0.171617	0.733478	0.90121	1	Decreased Expression with Increasing Exponent
FOSTER_KDM1A_TARGETS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/FOSTER_KDM1A_TARGETS_DN	492	0.249768	122,789	0.0905512	1	Decreased Expression with Increasing Exponent
YU_BAP1_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/YU_BAP1_TARGETS	77	0.287103	0.857666	0.588462	1	Decreased Expression with Increasing Exponent
RAO_BOUND_BY_SALL4_ISOFORM_A	http://www.broadinstitute.org/gsea/msigdb/cards/RAO_BOUND_BY_SALL4_ISOFORM_A	388	0.167397	0.822212	0.859794	1	Decreased Expression with Increasing Exponent
BOSCO_TH1_CYTOTOXIC_MODULE	http://www.broadinstitute.org/gsea/msigdb/cards/BOSCO_TH1_CYTOTOXIC_MODULE	212	0.169481	0.595895	0.922131	1	Decreased Expression with Increasing Exponent
BOSCO_EPITHELIAL_DIFFERENTIATION_MODULE	http://www.broadinstitute.org/gsea/msigdb/cards/BOSCO_EPITHELIAL_DIFFERENTIATION_MODULE	187	0.252228	0.87503	0.587771	1	Decreased Expression with Increasing Exponent
MIZUSHIMA_AUTOPHAGOSOME_FORMATION	http://www.broadinstitute.org/gsea/msigdb/cards/MIZUSHIMA_AUTOPHAGOSOME_FORMATION	49	0.247691	0.830695	0.695327	1	Decreased Expression with Increasing Exponent
ROESSLER_LIVER_CANCER_METASTASIS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ROESSLER_LIVER_CANCER_METASTASIS_UP	234	0.216706	0.96544	0.491018	1	Decreased Expression with Increasing Exponent
HOLLEMAN_PREDNISOLONE_RESISTANCE_B_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_PREDNISOLONE_RESISTANCE_B_ALL_UP	58	0.269784	0.954379	0.524752	1	Decreased Expression with Increasing Exponent
HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_ASPARAGINASE_RESISTANCE_B_ALL_DN	36	0.258832	0.761517	0.734127	1	Decreased Expression with Increasing Exponent
HOLLEMAN_DAUNORUBICIN_B_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_DAUNORUBICIN_B_ALL_DN	38	0.461137	151,759	0.0558767	1	Decreased Expression with Increasing Exponent
HOLLEMAN_PREDNISOLONE_RESISTANCE_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_PREDNISOLONE_RESISTANCE_ALL_UP	55	0.172996	0.596658	0.959839	1	Decreased Expression with Increasing Exponent
HOLLEMAN_VINCISTINE_RESISTANCE_ALL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_VINCISTINE_RESISTANCE_ALL_UP	87	0.151675	0.568028	0.980545	1	Decreased Expression with Increasing Exponent
HOLLEMAN_DAUNORUBICIN_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_DAUNORUBICIN_ALL_DN	28	0.505732	146,713	0.0936864	1	Decreased Expression with Increasing Exponent
HOLLEMAN_ASPARAGINASE_RESISTANCE_ALL_DN	http://www.broadinstitute.org/gsea/msigdb/cards/HOLLEMAN_ASPARAGINASE_RESISTANCE_ALL_DN	71	0.279077	0.880855	0.60735	1	Decreased Expression with Increasing Exponent
LIM_MAMMARY_LUMINAL_MATURE_UP	http://www.broadinstitute.org/gsea/msigdb/cards/LIM_MAMMARY_LUMINAL_MATURE_UP	266	0.259684	110,501	0.323467	1	Decreased Expression with Increasing Exponent
SMIRNOV_RESPONSE_TO_IR_6HR_UP	http://www.broadinstitute.org/gsea/msigdb/cards/SMIRNOV_RESPONSE_TO_IR_6HR_UP	366	0.216249	0.952463	0.498077	1	Decreased Expression with Increasing Exponent
GHANDHI_DIRECT_IRRADIATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GHANDHI_DIRECT_IRRADIATION_DN	61	0.281358	102,692	0.426877	1	Decreased Expression with Increasing Exponent
GHANDHI_BYSTANDER_IRRADIATION_DN	http://www.broadinstitute.org/gsea/msigdb/cards/GHANDHI_BYSTANDER_IRRADIATION_DN	43	0.28006	0.904755	0.584158	1	Decreased Expression with Increasing Exponent
WARTERS_RESPONSE_TO_IR_SKIN	http://www.broadinstitute.org/gsea/msigdb/cards/WARTERS_RESPONSE_TO_IR_SKIN	195	0.270508	104,197	0.394231	1	Decreased Expression with Increasing Exponent
WARTERS_IR_RESPONSE_5GY	http://www.broadinstitute.org/gsea/msigdb/cards/WARTERS_IR_RESPONSE_5GY	102	0.245701	0.918349	0.51992	1	Decreased Expression with Increasing Exponent
ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_6HR	http://www.broadinstitute.org/gsea/msigdb/cards/ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_6HR	146	0.245483	0.64526	0.758555	1	Decreased Expression with Increasing Exponent
ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR	http://www.broadinstitute.org/gsea/msigdb/cards/ZHOU_CELL_CYCLE_GENES_IN_IR_RESPONSE_24HR	250	0.258399	0.742054	0.666019	1	Decreased Expression with Increasing Exponent
ZWANG_EGF_PERSISTENTLY_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZWANG_EGF_PERSISTENTLY_UP	80	0.300961	114,652	0.247984	1	Decreased Expression with Increasing Exponent
ZWANG_EGF_INTERVAL_UP	http://www.broadinstitute.org/gsea/msigdb/cards/ZWANG_EGF_INTERVAL_UP	199	0.15504	0.741971	0.962105	1	Decreased Expression with Increasing Exponent
ZWANG_EGF_PERSISTENTLY_DN	http://www.broadinstitute.org/gsea/msigdb/cards/ZWANG_EGF_PERSISTENTLY_DN	130	0.199089	0.814335	0.761811	1	Decreased Expression with Increasing Exponent
CHEMELLO_SOLEUS_VS_EDL_MYOFIBERS_UP	http://www.broadinstitute.org/gsea/msigdb/cards/CHEMELLO_SOLEUS_VS_EDL_MYOFIBERS_UP	66	0.264454	0.990057	0.464706	1	Decreased Expression with Increasing Exponent
CHEMELLO_SOLEUS_VS_EDL_MYOFIBERS_DN	http://www.broadinstitute.org/gsea/msigdb/cards/CHEMELLO_SOLEUS_VS_EDL_MYOFIBERS_DN	48	0.265031	0.873255	0.597701	1	Decreased Expression with Increasing Exponent
HORTON_SREBF_TARGETS	http://www.broadinstitute.org/gsea/msigdb/cards/HORTON_SREBF_TARGETS	53	0.363877	0.960486	0.522088	1	Decreased Expression with Increasing Exponent
NABA_BASEMENT_MEMBRANES	http://www.broadinstitute.org/gsea/msigdb/cards/NABA_BASEMENT_MEMBRANES	94	0.260592	0.860938	0.597938	1	Decreased Expression with Increasing Exponent

Figure S4 The full set of 4,080 gene sets.