










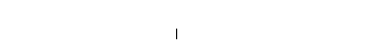

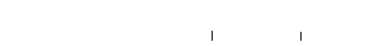








Pathway	Gene ranks	NES	pval	padj
MARK_INTERFERON_ALPHA_RESPONSE		2.41	$2.0 \cdot 10^{-8}$	$8.6 \cdot 10^{-7}$
MARK_INTERFERON_GAMMA_RESPONSE		2.30	$7.0 \cdot 10^{-8}$	$1.5 \cdot 10^{-6}$
HALLMARK_KRAS_SIGNALING_DN		1.81	$3.1 \cdot 10^{-3}$	$4.4 \cdot 10^{-2}$
MARK_UNFOLDED_PROTEIN_RESPONSE		1.31	$1.5 \cdot 10^{-2}$	$1.7 \cdot 10^{-1}$
HALLMARK_GLYCOLYSIS		1.48	$9.4 \cdot 10^{-2}$	$6.7 \cdot 10^{-1}$
HALLMARK_DNA_REPAIR		1.30	$2.0 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
EPITHELIAL_MESENCHYMAL_TRANSITION		1.22	$2.6 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_TNFA_SIGNALING_VIA_NFKB		1.20	$2.7 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
LLMARK_ESTROGEN_RESPONSE_EARLY		1.14	$3.1 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_P53_PATHWAY		1.13	$3.2 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_MITOTIC_SPINDLE		-0.56	$9.7 \cdot 10^{-1}$	$9.7 \cdot 10^{-1}$
LLMARK_OXIDATIVE_PHOSPHORYLATION		-0.73	$8.3 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_TGF_BETA_SIGNALING		-0.89	$6.2 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_G2M_CHECKPOINT		-0.89	$6.2 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_PANCREAS_BETA_CELLS		-0.92	$6.1 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_HEME_METABOLISM		-0.92	$6.1 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_BILE_ACID_METABOLISM		-0.89	$6.0 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_PEROXISOME		-0.94	$5.2 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_MTORC1_SIGNALING		-0.97	$4.8 \cdot 10^{-1}$	$9.2 \cdot 10^{-1}$
HALLMARK_UV_RESPONSE_DN		-1.72	$4.2 \cdot 10^{-2}$	$3.6 \cdot 10^{-1}$
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