













































Gene Set Name [# Genes (K)]	Description	# Genes in Overlap (k)	k/K	p-value	FDR q-value
HALLMARK_OXIDATIVE_PHOSPHORYLATION [200]	Genes encoding proteins involved in oxidative phosphorylation.	16		1.49 e ⁻¹⁸	7.45 e ⁻¹⁷
HALLMARK_IL2_STAT5_SIGNALING [200]	Genes up-regulated by STAT5 in response to IL2 stimulation.	7		2.42 e ⁻⁶	6.04 e ⁻⁵
HALLMARK_ALLOGRAFT_REJECTION [200]	Genes up-regulated during transplant rejection.	6		3.1 e ⁻⁵	5.16 e ⁻⁴
HALLMARK_ADIPOGENESIS [200]	Genes up-regulated during adipocyte differentiation (adipogenesis).	5		3.37 e ⁻⁴	2.81 e ⁻³
HALLMARK_INTERFERON_GAMMA_RESPONSE [200]	Genes up-regulated in response to IFNG [GeneID=3458].	5		3.37 e ⁻⁴	2.81 e ⁻³
HALLMARK_MYC_TARGETS_V1 [200]	A subgroup of genes regulated by MYC - version 1 (v1).	5		3.37 e ⁻⁴	2.81 e ⁻³
HALLMARK_APOPTOSIS [161]	Genes mediating programmed cell death (apoptosis) by activation of caspases.	4		1.38 e ⁻³	9.87 e ⁻³

Entrez Gene Id	Gene Symbol	HALLMARK_OXIDATIVE_PHOSPHORYLATION	HALLMARK_IL2_STATS_SIGNALING	HALLMARK_ALLOGRAFT_REJECTION	HALLMARK_ADIPOGENESIS	HALLMARK_INTERFERON_GAMMA_RESPONSE	HALLMARK_MYC_TARGETS_V1	HALLMARK_APOPTOSIS	Entrez	Source	Gene Description
2879	GPX4									S	glutathione peroxidase 4 (phospholipid hydroperoxidase)
10975	UQCR11									S	ubiquinol-cytochrome c reductase, complex III subunit XI
29796	UQCR10									S	ubiquinol-cytochrome c reductase, complex III subunit X
4713	NDUFB7									S	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa
9296	ATP6V1F									S	ATPase, H+ transporting, lysosomal 14kDa, V1 subunit F
1632	ECI1									S	enoyl-CoA delta isomerase 1
10476	ATP5H									S	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d
1327	COX4I1									S	cytochrome c oxidase subunit IV isoform 1
1347	COX7A2									S	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)
1350	COX7C									S	cytochrome c oxidase subunit VIIc
26517	TIMM13									S	translocase of inner mitochondrial membrane 13 homolog (yeast)
4697	NDUFA4									S	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa
518	ATP5G3									S	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C3 (subunit 9)
65003	MRPL11									S	mitochondrial ribosomal protein L11
9551	ATP5J2									S	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2
9927	MFN2									S	mitofusin 2
822	CAPG									S	capping protein (actin filament), gelsolin-like
10410	IFITM3									S	interferon induced transmembrane protein 3
8809	IL18R1									S	interleukin 18 receptor 1
9446	GSTO1									S	glutathione S-transferase omega 1

1690	COCH										S	coagulation factor C homolog, cochlin (Limulus polyphemus)
974	CD79B										S	CD79b molecule, immunoglobulin-associated beta
3108	HLA-DMA										S	major histocompatibility complex, class II, DM alpha
3109	HLA-DMB										S	major histocompatibility complex, class II, DM beta
3122	HLA-DRA										S	major histocompatibility complex, class II, DR alpha
6203	RPS9										S	ribosomal protein S9
9450	LY86										S	lymphocyte antigen 86
83871	RAB34										S	RAB34, member RAS oncogene family
8673	VAMP8										S	vesicle-associated membrane protein 8 (endobrevin)
10791	VAMP5										S	vesicle-associated membrane protein 5 (myobrevin)
3123	HLA-DRB1										S	major histocompatibility complex, class II, DR beta 1
10549	PRDX4										S	peroxiredoxin 4
6150	MRPL23										S	mitochondrial ribosomal protein L23
51690	LSM7										S	LSM7 homolog, U6 small nuclear RNA associated (S. cerevisiae)
6175	RPLP0										S	ribosomal protein, large, P0
6193	RPS5										S	ribosomal protein S5
10018	BCL2L11										S	BCL2-like 11 (apoptosis facilitator)
4255	MGMT										S	O-6-methylguanine-DNA methyltransferase