Supplemental Table 10. Intersection with Glycolysis, Hypoxia, and Oxidative Stress.

Probe	Symbol	Description	P-value	Fold-Change
Glycolysis and Mitochondrial Pyruvate Metabolism				
ADXEC.261.CB3_s_at	TPI1	triosephosphate isomerase 1	0.01	3.07
ADXEC.9076.C1_s_at	PKM2	pyruvate kinase muscle	0.04	2.89
ADXEC.1248.C1_at	DHTKD1	dehydrogenase E1 and transketolase domain containing 1	0.04	2.41
ADXEC.3267.C1-a_s_at	PRKAG2	protein kinase AMP-activated gamma 2 non-catalytic	0.02	2.23
ADXECRS.39826_at	PGK1	phosphoglycerate kinase 1	0.05	2.16
ADXEC.26350.C1_at	ADPGK	ADP-dependent glucokinase	0.03	1.92
ADXECAD.22627_s_at	H6PD	hexose-6-phosphate dehydrogenase (glucose)	0.03	1.62
ADXECRS.8473_at	GAPDHS	glyceraldehyde-3-phosphate dehydrogenase, sperm	0.002	1.24
ADXECRS.3766_s_at	PDPR	pyruvate dehydrogenase phosphatase regulatory subunit	0.01	4.15
ADXEC.23135.C1-a_s_at	PDPR	pyruvate dehydrogenase phosphatase regulatory subunit	0.008	1.60
ADXEC.554.C4_at	IDH3B	isocitrate dehydrogenase 3 (NAD) beta	0.02	2.86
ADXEC.1248.C1_at	DHTKD1	dehydrogenase E1 and transketolase domain containing 1	0.04	2.41
ADXECRS.34598_x_at	PDK3	pyruvate dehydrogenase kinase isozyme 3	0.03	1.49
ADXEC.19665.C1-a_s_at	NNT	nicotinamide nucleotide transhydrogenase	0.05	1.39
Response to Hypoxia				
ADXEC.18082.C1_at	RYR1	ryanodine receptor 1 (skeletal)	0.004	2.73
ADXEC.8712.C1-a_s_at	CXCR4	chemokine (C-X-C motif) receptor 4	0.01	2.53
ADXEC.8712.C1_at	CXCR4	chemokine (C-X-C motif) receptor 4	0.02	1.60
ADXEC.6937.C1_s_at	SLC8A1	solute carrier family 8 (sodium/calcium exchanger)	0.007	2.43
ADXECAD.13897_at	SLC8A1	solute carrier family 8 (sodium/calcium exchanger)	0.02	1.69
ADXEC.7240.C1-a_s_at	ELL2	elongation factor RNA polymerase II 2	0.04	2.34
ADXEC.1226.C2_x_at	TYMS	gene for thymidylate synthase	0.02	2.27
ADXEC.1226.C2_at	TYMS	gene for thymidylate synthase	0.01	2.24
ADXECEMUTR.7780_x_at	CDC42	cell division cycle 42 (GTP binding protein 25kDa)	0.03	2.26
ADXEC.20725.C1_at	CDC42	cell division cycle 42 (GTP binding protein 25kDa)	0.03	1.81
ADXECRS.39826_at	PGK1	phosphoglycerate kinase 1	0.05	2.16
ADXEC.6420.C1-a_s_at	ASXL1	additional sex combs like 1 (Drosophila)	0.02	2.22
ADXEC.926.C1-a_s_at	TMEM106C	transmembrane protein 106C	0.04	2.22
ADXEC.926.C1_s_at	TMEM106C	transmembrane protein 106C	0.03	1.55
ADXECRS.6801_s_at	TMEM106C	transmembrane protein 106C	0.05	1.47
ADXEC.34398.C1_x_at	PPARA	peroxisome proliferative activated receptor alpha	0.02	2.20
ADXEC.2484.C1_at	TMED5	transmembrane emp24 protein transport domain	0.009	2.17
ADXECAD.16644_at	PEX26	Peroxisomal biogenesis factor 26	0.01	2.15
ADXECAD.5686_x_at	IL17RB	interleukin 17 receptor B	0.05	2.14
ADXEC.17916.C1_at	RAB14	RAB14 member RAS oncogene family	0.04	2.11
ADXEC.7891.C1_at	MED6	mediator complex subunit 6	0.03	2.05
ADXEC.22249.C1_at	MED6	mediator complex subunit 6	0.02	1.73
ADXEC.22249.C1_x_at	MED6	mediator complex subunit 6	0.02	1.67

ADXEC.111.C71_at	EEF1A1	Human elongation factor EF-1-alpha	0.05	2.04
ADXEC.32742.C1_s_at	NDRG1	N-myc downstream regulated 1	0.04	1.97
ADXEC.31875.C1_at	FAM22A	family with sequence similarity 22 member A	0.04	1.96
ADXEC.6304.C1_at	ECE1	endothelin converting enzyme 1	0.01	1.89
ADXECRS.33044_s_at	H2AFV	H2A histone family member V	0.05	1.89
ADXECAD.13671_x_at	MXD4	MAX dimerization protein 4	0.03	1.88
ADXEC.399.C22_x_at	LRP1	low density lipoprotein receptor-related protein 1	0.02	1.85
ADXEC.4862.C4_s_at	C1orf77	chromosome 1 open reading frame 77	0.0004	1.83
ADXECAD.22713_s_at	GAB1	GRB2-associated binding protein 1	0.04	1.82
ADXEC.4634.C3_at	ID2	inhibitor of DNA binding 2 dominant negative helix-loop-helix protein	0.05	1.76
ADXECAD.20490_s_at	ID2	inhibitor of DNA binding 2 dominant negative	0.05	1.61
ADXEC.11842.C1_at	SERTAD2	SERTA domain containing 2	0.03	1.75
ADXECRS.5993_at	PPAT	phosphoribosyl pyrophosphate amidotransferase	0.05	1.74
ADXEC.19219.C1_s_at	DYRK2	dual-specificity tyrosine-(Y)-phosphorylation	0.04	1.73
ADXECADA.24681_s_at	SSBP3	single stranded DNA binding protein 3	0.02	1.70
ADXECADA.634_s_at	PGPEP1	pyroglutamyl-peptidase I	0.03	1.69
ADXECAD.11135_at	SFRS3	splicing factor arginine/serine-rich 3	0.02	1.69
ADXEC.14372.C2_s_at	WEE1	WEE1 homolog (S. pombe) (WEE1)	0.05	1.69
ADXEC.2954.C1_at	SERP1	stress-associated endoplasmic reticulum protein 1	0.008	1.68
ADXEC.2424.C1_s_at	SERP1	stress-associated endoplasmic reticulum protein 1	0.01	1.32
ADXEC.39.C1_s_at	LMNB1	lamin B1	0.03	1.66
ADXECADA.20454_at	RFX3	regulatory factor X 3	0.04	1.65
ADXEC.760.C2_at	CEP250	centrosomal protein 250kDa	0.02	1.65
ADXEC.760.C2_s_at	CEP250	centrosomal protein 250kDa	0.01	1.62
ADXEC.703.C2_s_at	RAD23A	RAD23 homolog A (S. cerevisiae)	0.02	1.63
ADXEC.8507.C1-a_s_at	SERINC3	serine incorporator 3	0.04	1.62
ADXECAD.14311_at	UFM1	ubiquitin-fold modifier 1	0.008	1.61
ADXEC.10003.C2_s_at	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase	0.04	1.60
ADXEC.23157.C1_s_at	GNAI3	G protein alpha inhibiting activity polypeptide	0.03	1.60
ADXEC.2744.C2_s_at	CTTN	cortactin	0.05	1.53
ADXECNTDJ.3602_at	DCBLD2	discoidin CUB and LCCL domain containing 2	0.01	1.53
ADXECAD.19136_x_at	ERO1L	ERO1-like (S. cerevisiae)	0.04	1.47
ADXEC.2591.C1_s_at	STK4	serine/threonine kinase 4	0.05	1.43
ADXEC.83.C1-a_s_at	TMEM30A	transmembrane protein 30A	0.05	1.42
ADXECAD.20345_s_at	RAD23B	RAD23 homolog B (S. cerevisiae)	0.007	1.42
ADXEC.1119.C2_s_at	HMGB2	high-mobility group box 2	0.05	1.40
ADXECAD.1588_x_at	LITAF	Pig7	0.01	1.39
ADXEC.1357.CB1_x_at	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase	0.04	1.32
ADXECAD.17311_at	PDIA2	protein disulfide isomerase family A, member 2	0.02	1.27
ADXEC.319.C15_s_at	EIF2S2	eukaryotic translation initiation factor 2 subunit 2	0.05	1.27
ADXEC.9567.C3_at	FAM96B	Family with sequence similarity 96 member B	0.04	1.26
ADXEC.1357.CB2_s_at	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase	0.01	1.20

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ADXEC.16346.C1_at	DNAJC5	Homo sapiens mRNA for FLJ00095 protein.	0.005	3.83
ADXECNTDJ.7311_s_at	HSPBAP1	Homo sapiens HSPB (heat shock 27kDa) associated protein 1	0.02	2.62

ADXEC.989.C2_at	BTG1	B-cell translocation gene 1 anti-proliferative	0.02	2.54
ADXECADA.18434_at	GPX2	glutathione peroxidase 2 (gastrointestinal)	0.02	2.50
ADXECAD.24402_s_at	SELT	selenoprotein T (SELT) mRNA.	0.05	2.11
ADXEC.7491.C1_at	DNAJC9	DnaJ (Hsp40) homolog subfamily C member 9	0.05	2.05
ADXEC.23874.C1_s_at	ERP44	endoplasmic reticulum protein 44	0.01	1.93
ADXEC.5920.C1_s_at	SH3BGRL3	SH3 domain binding glutamic acid-rich protein like 3	0.02	1.82
ADXECAD.22145_s_at	GSR	glutathione reductase	0.04	1.79
ADXEC.14337.C2_at	PPP1R15B	protein phosphatase 1 regulatory (inhibitor) subunit	0.01	1.73
ADXEC.21098.C1_at	HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein)	0.02	1.68
ADXEC.6317.C1_at	TMX4	thioredoxin-related transmembrane protein 4	0.02	1.59
ADXEC.2401.C5-a_s_at	CDC37	cell division cycle 37 homolog (S. cerevisiae)	0.05	1.52
ADXEC.971.C3-a_s_at	EIF2AK1	eukaryotic translation initiation factor 2-alpha	0.008	1.52
ADXEC.7491.C1_x_at	DNAJC9	DnaJ (Hsp40) homolog subfamily C member 9	0.05	1.48
ADXECRS.21396_at	HSP90AB2P	heat shock protein 90kDa alpha (cytosolic) class B	0.008	1.41
ADXEC.5198.C2_s_at	HSPA4	heat shock 70kDa protein 4	0.04	1.40
ADXEC.2402.C2-a_s_at	SYVN1	synovial apoptosis inhibitor 1 synoviolin	0.05	1.35
ADXEC.931.C1_s_at	GPX1	glutathione peroxidase 1	0.05	1.26