

	Target Gene		Tissue
Reference Genes	Glyceraldehyde-3-phosphate dehydrogenase	GAPDH	Heart/Lung
	Histone H3	H3	Heart/Lung
	Ubiquitin 3	UBC	Heart/Lung
	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta	YWHAZ	Heart/Lung
Hormone Receptors	Adrenergic receptor β 1/2	ADRB1/2	Heart/Lung
	Androgen receptor	AR	Heart/Lung
	Estrogen receptors α and β	ER α /ER β	Heart/Lung
	Growth hormone receptor	GHR	Heart/Lung
	Glucocorticoid receptor α	GR α	Heart/Lung
	Progesterone receptor	PR	Heart/Lung
Transcription Factors/ Proliferation	RAC-gamma serine/threonine-protein kinase	AKT3	Lung
	Bone morphogenetic proteins	BMP-2,-4	Heart/Lung
	Bone morphogenetic protein receptor	BMP-2R	Heart/Lung
	Calpastatin	CAST	Heart/Lung
	CCAAT/enhancer binding proteins	CEBPA, CEBPD	Heart/Lung
	E2F Transcription factor 8	E2F8	Heart
	Epidermal growth factor	EGF	Heart/Lung
	Erythropoietin	EPO	Lung
	Insulin-like-growth-factor 1 and 2	IGF-1,-2	Heart/Lung
	Insulin-like-growth-factor 1 receptor	IGF-1 R	Heart/Lung
	IGF binding protein 2 and 3	IGFBP-2,-3	Heart/Lung
	Hypoxia-inducible factor	HIF1 α	Heart/Lung
	Kirsten rat sarcoma viral oncogene homolog	KRAS	Lung
	Myostatin	MSTN	Heart
	Myogenin	MYOD	Heart
	Inflammatory factor nuclear factor of kappa light polypeptide gene	NF κ B	Heart/Lung
	Cyclin-dependent kinase inhibitor 1B	P27	Heart
	Phosphatidylinositol-4,5-bisphosphate 3-kinase	PI3K	Heart/Lung
	Prohibitin	PHB	Heart
	Retinoblastoma-1	RB-1	Heart/Lung
Retinoblastoma binding protein-1	RBBP-1	Heart	

	SMAD	Smad2	Heart/Lung
	Son of sevenless homolog 1	SOS1	Lung
	Serum response factor	SRF	Heart/Lung
	Signal transducer and activator of transcription 2	STAT2	Lung
	Transcription factor binding to IGHM enhancer 3	TFE3	Lung
	Transforming growth factor β/β	TGF- α/β	Heart/Lung
	Thymosin beta 4	TMSB4	Heart/Lung
Angiogenesis Regulators	Angiopoietins 1/2	ANGPT-1,-2	Heart/Lung
	Endothelial nitric oxide synthase 3	eNOS	Heart/Lung
	Fibroblast growth factors	FGF-1,-2,-7	Heart
	Vascular endothelial growth factor receptor Flt-1	Flt-1	Heart/Lung
	Vascular endothelial growth factor receptor Flk-1	Flk-1	Heart
	Inducible nitric oxide synthase 2	iNOS	Heart
	Matrix metalloproteinase 2	MMP-2	Heart
	Matrix metalloproteinase 23B	MMP-23B	Heart
	Thrombospondin	THBS	Heart
	Tissue inhibitor of matrix metalloproteinase 2	TIMP-2	Heart
	Vascular endothelial growth factor A	VEGF A	Heart/Lung
	Vascular endothelial growth factors	VEGF-120, 164	Heart/Lung
	Apoptosis Regulators	Bcl-2-associated death promoter	BAD
B-cell CLL/lymphoma 2		bcl-2	Heart/Lung
B-cell leukemia/lymphoma x		bcl-xl	Heart/Lung
Caspase 3		CASP3	Heart/Lung
Caspase 8		CASP8	Lung
TNF receptor superfamily member 6		FAS	Heart/Lung
TNF receptor superfamily member 6 ligand		FASL	Heart/Lung
Prohibitin		PHB	Heart
Tumor necrosis factor α		TNF α	Heart/Lung
Immune Factors		Complement components C7	C7
	Colony stimulating factor 2	CSF2	Lung
	Fc receptor, IgE, high affinity I, gamma polypeptide	FceR1g	Lung

	Interferon g	IFN-g	Lung
	Interleukin 3	IL-3	Lung
	Interleukin 10	IL-10	Lung
	Interleukin 13	IL-13	Lung
	Interleukin 15	IL-15	Heart/Lung
	Janus Kinase 2	JAK2	Lung
	RAS-related protein-1a	RAP1A	Lung
	Tumor necrosis factor α	TNF α	Heart/Lung
	TNF Receptor 1/2	TNFR1/2	Lung
Oncogenes	c-jun transcription factor	c-jun	Heart
	Myelocytomatosis cellular oncogene homolog	c-myc	Heart/Lung
	c-src tyrosine kinase	c-Src	Heart
	c-Fos transcription factor	c-Fos	Heart
	Fragile histidine triad	FHIT	Heart/Lung
	p53 tumor suppressor gene	p53	Heart/Lung
Protein Metabolism/Structural Proteins	Collagen	COL1A1/3	Heart
	Collagen	COL3A1	Lung
	Cathepsin B	CTSB	Heart
	Endothelin	EDN1	Heart
	Myosin, heavy chain 1	MYH1	Heart
	Myozenin 1	MYOZ1	Heart
Glucose Metabolism	Tether containing UBX domain for GLUT4	ASPSR1	Lung
	Enolase 1	ENO1	Heart/Lung
	Glucose transporter 1	GLUT1	Heart
	Hexokinase 1	HK-1	Heart
	Insulin receptor α/β	IR α/β	Heart/Lung
	Lactatdehydrogenase A	LDHA	Heart
Lipid metabolism	Apolipoprotein A1, A4	APOA1/4	Heart/Lung
	Apolipoprotein C2	APOC2	Lung
	Fatty acid synthase	FASN	Lung
	Hormone sensitive lipase	LIPE	Heart
	Lipoprotein Lipase	LPL	Lung
	Phospholipase C γ	PLC γ	Heart/Lung
Blood Pressure Regulators	Angiotensin II receptor, type 1	AGTR1	Heart
	Endothelin	EDN1	Heart

Others	Adenylate kinase isoenzyme 4, mitochondrial	AK3L1	Lung
	Calmodulin-like	CALM	Lung
	Calmodulin 1	CALM1	Lung
	Calmodulin 2	CALM3	Lung
	Muscarinic acetylcholine receptor M2	CHRM2	Lung
	Cysteinyl leukotriene receptor 1/2	CYSLTR1/2	Lung
	Cytochrome b-245, beta polypeptide	CYBB	Heart
	F-box protein 39	FBXO39	Lung
	Glycerophosphodiester phosphodiesterase domain containing 1	GDPD1	Lung
	HMG Coenzyme A synthase	HMG-CoAS	Lung
	Histamine receptor H	HRH	Lung
	Inhibin A	INHA	Heart
	Lactate dehydrogenase A	LDHA	Heart
	Laminin, alpha 2	LAMA2	Lung
	Leukotriene C4 synthase	LTC4S	Lung
	Matrix Gla protein	MGP	Lung
	Membrane-spanning 4-domains, subfamily A, member 2	MS4A2	Lung
	3-oxoacid CoA transferase 1	OXCT1	Lung
	Phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha	PIK3CA	Lung
	Protein kinase B/C	PKB/C	Heart/Lung
	Protein phosphatase 3, catalytic subunit, alpha isoform	PPP3CA	Lung
	Prostaglandin D2 synthase	PTGDS	Lung
	Rabaptin, RAB GTPase binding effector protein 1	RABEP1	Lung
	Serpin peptidase inhibitor, clade E	SERPINE1	Heart/Lung
	Tyrosine kinase endothelial	TEK	Lung

Supplemental Table 1: Overview of quantified genes grouped in functional classes

Gene		Primer Sequence 5' → 3'	Annealing Temp.	Product Length [bp]	Accession Number
ADRB2	for	ATT TCA GGA TTG CCT TCC AG	60	120	NM174231
	rev	ATC CAC TCT GTT CCC CTG TG			
AGTR1	for	AGA TCG CTT CAG CCA GTG TC	66	168	NM_174233.2
	rev	AAC CTG CCA GCA GCC AAA TA			
AK3L1	for	GTT GAA ACA TAG CAC CAG GAG G	64	197	NM_001077933
	rev	TGG AGC ACG GAT ACA GAG AAG			
AKT3	for	AGG TTG GGT TCA GAA GAG GG	60	189	NM_001191309.1
	rev	AAT GTG TTT GGC TTT GGT CGT			
ANGPT1	for	TCG GAG ATG GCT CAG ATA CAG	60	229	AF093573
	rev	CCA GCA GTT GTA TTT CAA GTC GA			
ANGPT2	for	TA TTC AGC GAC GTG AAG ACG G	62	187	NM_001098855
	rev	CAG CGA GTA AGC CTC ATT CC			
APOA1	for	TTT GGG AAA ACA GCT CAA Cct	63	240	NM_174242
	rev	GCC ACT TCT TCT GGA ACT CG			
APOA4	for	TTT CTG AAG GCT GTG GTC CTG	60	187	NM_001037480
	rev	CTT GGA AGA GGG TGT TGA GC			
APOC2	for	GGG TTT CTC ATC CTC CTG GT	63	215	NM_001102380
	rev	AAT CCC TGC ATA GGT GGT CAc			
AR	for	CCT GGT TTT TCA ATG AGT ACC GCA TG	60	172	AY862875
	rev	TTG ATT TTT CAG CCC ATC CAC TGG A			
ASPSR1	for	CTT GGC CCA ACT CAA GAG TGA	60	139	NM_001104980.1
	rev	GTA GCG GTC AGG AAA CAG GA			
BAD	for	GGT CAG GGG CCT CAT TAT CG	62	149	NM_001035459.1
	rev	CAG TGC TTG CTG AGA CCT GG			
bcl-2	for	ATG ACT TCT CTC GGC GCT AC	64/66	245	XM_586976
	rev	CCG GTT CAG GTA CTC GGT CA			
bcl-xL	for	GGC ATT CAG CGA CCT GAC	60	203	AF245489
	rev	CCA TCC AAG TTG CGA TCC			
BMP-2	for	CAG TAG GTG GGA GAG CTT CG	60	194	NM_0010099141

	rev	TGA CAA GCA AGG GCC TTA TCT GT			
BMP-2 R	for	CAA AGA TTG GCC CTT ATC CA	60	109	AJ534390
	rev	CTG GAC ATC GAA TGA TCT GA			
BMP-4	for	GAG CTT CCA CCA CGA AGA AC	60	179	NM_001045877
	rev	TAC GAT GAA GC CCT GT CCC			
C7	for	GGC GGT CAA TTG CTG TTT ATG G	60	232	NM_001045966
	rev	GGT CTG CTT TCT GCA TCC TC			
CALM	for	CGA GCT GAG TGG TTG TGT GA	65,5	192	NM_001166508
	rev	TGC TTC TGT GGG ATT CTG CC			
CALM1	for	CAG AGC CGT TAG CGC AGT T	62	235	NM_001242572.1
	rev	TGC CAT CAC CGT CTT TGT CA			
CALM3	for	AGC GAT CTC AAG CTG TCC TG	65	245	NM_001046249.2
	rev	CCG GCA GGG CTG TTT TAT TG			
Casp 8	for	TAG CAT AGC ACG GAA GCA GG	60	294	DQ319070
	rev	GCC AGT GAA GTA AGA GGT CAG			
CASP3	for	TGC AGA AGT CTG ACT GGA AAA CCC AAA C	60/66	101	NM_001077840
	rev	TCA TCC TCA GCA CCA CTG TCT GTC TC			
CAST	for	GGA AGC AGA TCC AGA AGA CG	60/66	216	NM174003
	rev	GAC AGA GCA TCG AGG AGG A			
CEBPA	for	CCA AGA AGT CCG TGG ACA AG	60	184	NM_176784
	rev	AGT TCG CGG CTC AGT TGT TC			
CEBPD	for	ATC GAC TTC AGC GCC TAC ATC	62	101	BC133581
	rev	GCT TTG TGG TTG CTG TTG AAG AG			
c-Fos	for	GCT CCA GGC GGA GAC AGA	60	302	AF069515
	rev	AGG GTG AAG GCC TCC TCA GA			
CHRM2	for	CCA TTG CAG CCT TCT ATT TGC C	64	199	NM_001080733
	rev	TGC TCC AAG CCA TCA TCA CTC			
c-Jun	for	TCA ACG CCT CGT TCC TCC	60	278	AF069515
	rev	CTC ATC TGT CAC GTT CTT GGG GCA			
c-Myc	for	TCT TGC GCC TAA ATT GAC CTA TTG	54/60	153	ENSBTAT00000011066
	rev	GCC AAG GTT GTG AGG TTG TTC			
COL1A1	for	TCA GTG GTT TGG ATG GTG CC	66	180	NM_001034039.2

	rev	CAC CAG TCG CAC CAT CAT TT			
COL1A3	for	ATC TCC TGG TTC AAG TGG CG	66	240	NM_001076831.1
	rev	TTC TTA CCG GGT TCA CCT GC			
COL3A1	for	ATC TCC TGG TTC AAG TGG CG	64	240	NM_001076831.1
	rev	TTC TTA CCG GGT TCA CCT GC			
CSF2	for	GAA GTG AAG CAG GCC AAA CC	64	110	NM_174027.2
	rev	TGG TCC CTC CAG TGT GAA GA			
c-Src	for	CGG CAT AGC AAC CTG GTA CA	66	181	NM_001075397.1
	rev	ATT CCA TGG CCT CAC AGA CG			
CTSB	for	GAT CTG CAT CCA CAG CCA	60	192	NM174031
	rev	ATG GAG TAC GGT CTG CAA CC			
CYBB	for	TGC TGC CTG TCT GTC GAA AT	66	193	NM_174035.4
	rev	TTG ACT CGG GCA TTC ACA CA			
CYSLTR1	for	TTT GAT CAG CTT CAT GCC GT	64	130	NM_001099726.1
	rev	TGC AGC CAG AGA CAA GGT TA			
CYSLTR2	for	TGT GCT TGG AGC TGA ATC GT	64	153	NM_001102240.1
	rev	CTA ATT CTG GGA CCT CCG CC			
E2F8	for	CTC AGC CCA GTC CTT CCT TG	66	119	NM_001191234.1
	rev	GAT GGG TGT CGG GTG AAG TT			
EDN1	for	TGG ACT CGG AAG CCC TTC TA	66	162	NM_181010.2
	rev	TCC ATG GAG TCT TGG TCC CT			
EGF	for	TGC TGT CTC ACC TTG GGA AG	64	136	AY195611.1
	rev	CAG GAG AAC AGG TTG GCA ATG			
ENO1	for	GTC ATC AAC GGT GGC TCT CA	66	241	NM_174049.2
	rev	CGATGGCATTCTTCAGCAGC			
EPO	for	CCA GCG GTA ACA TCT CAG GG	64-66	247	NM_173909.2
	rev	TCT CCA GTC CAT CCT GTC CC			
ERa	for	AGG GAA GCT CCT ATT TGC TCC	60	233	NM_001001443
	rev	GGT GGA TGT GGT CCT TCT C			
ERb (lung)	for	TTA GCC ATC CAT TGC CAG CC	66	248	NM_174051
	rev	GCC TTA CAT CCT TCA CAC GAC			
ERb (heart)	for	AAT CCA TCC TAC CCC TGG AG	66	248	NM_174061.1

	rev	ATT TGG GCT TGT GGT CTG TCG			
FAS	for	TGT TGT CAG CCT TGT CCT CC	60	174	U34794
	rev	GTT CCA CTT CTA GCC CAT GTT C			
FasL	for	CAT CTT TGG AGA AGC AAA TAG	56/60	205	XM_584322
	rev	GGA ATA CAC AAA ATA CAG CCC			
FASN	for	CTG AGT CGG AGA ACC TGG AG	62	232	NM_001012669.1
	rev	ACA ATG GCT CGT AGG TGA C			
FBX039	for	CAA GTG CCA CAT TCA TGA CC	62	107	NM_001037613.1
	rev	CCC GCT CAA AGA AGA AGT TG			
FceRIg	for	CAA GTT GCA GGT GCG AAA GG	66	214	NM_174537.3
	rev	TGG CAT TTA TGG TGG GGA GG			
FGF-1	for	TTG TAC GGC TCA CAG ACA CC	60	169	NM_174055
	rev	CTT TCT GGC CGA TGT GAG TC			
FGF-2	for	AGC CTT GCA ACT CTG CTT GT	60	210	NM_174056.3
	rev	CGA ATT CAG ATC CCT CCT GA			
FGF-7	for	GAC ATG GAT CCT GCC AAG TT	60	129	XM_869016
	rev	GGG CTG GAA CAG TTC ACA TT			
FHIT	for	ATG AGT CCC GAA GAA GTG GC	64	219	NM_001040646.1
	rev	TCT GTC GTG TTT CTC GAG CG			
FLK-1	for	GCT TCT ACC AGG ACA CTG ACA T	60	144	X94298
	rev	AAC ACG GAA TCA CCA CCA CAG TT			
FLT-1	for	ATG ACC GAA GGG AAG AAG GTG	60	193	XM_001249768
	rev	TGA CTG TTG TCT CGC AGG TC			
GAPDH	for	GTC TTC ACT ACC ATG GAG AAG G	60	197	U85042
	rev	TCA TGG ATG ACC TTG GCC CAG			
GDPD1	for	TGG TGA AGC AGT ACA GAC GAG	64	139	NM_001076400
	rev	AAC AGG CCA AGA ACG AGC AG			
GHR	for	CCA GTT TCC ATG GTT CTT AAT TAT	60	136	NM176608
	rev	TTC CTT TAA TCT TTG GAA CTG G			
GLUT1	for	CGT GTC GCT ATT TGT GGT GG	66	124	NM_174602
	rev	GGC CAC AAT GCT CAG GTA GG			
GRa	for	TTC GAA GAA AAA ACT GCC CAG C	62/64	190	AY238475

	rev	CAG TGT TGG GGT GAG TTG TG			
HIF1 α	for	GAG CCT GAT GCT TTA ACT TTG C	60/66	199	NM_174339.3
	rev	GAG TTT CAG AGG CAG GTA ATG G			
Histon	for	ACT GCT ACA AAA GCC GCT C	60	233	NM_001014389
	rev	ACT TGC CTC CTG CAA AGC AC			
HK	for	CAA GAC GCA CCC ACA GTA TCC	66	211	NM001012668
	rev	TCA CCT CCA GCA GCA TTT CCT T			
HMG-CoA-S	for	GAT GGT CGC TAT GCA CTG GT	66	246	NM_001045883.1
	rev	GCC CTC TCT CGA GGA CCA GA			
HRH	for	TCA CTT CCA GCC AAA GAC CC	66	198	NM_174083.3
	rev	GGG AAG GAC CCG TTG ATG AG			
IFNG	for	GCA GAT CCA GCG CAA AGC CAT AAA TG	57 - 60	112	NM_174086
	rev	TCT CCG GCC TCG AAA GAG ATT CTG AC			
IGF-1	for	CAT CCT CCT CGC ATC TCT TC	62/64	238	NM_001077828
	rev	CTC CAG CCT CCT CAG ATC AC			
IGF-1 R	for	TTA AAA TGG CCA GAA CCT GAG	60/62	314	X54980
	rev	ATT ATA ACC AAG CCT CCC AC			
IGF-2	for	ACC CTC CAG TTT GTC TGT GG	54/64	166	NM_174087
	rev	ACA CAT CCC TCT CGG ACT TG			
IGFBP2	for	AGC ATG GCC TGT ACA ACC TC	60	157	NM_174555
	rev	CCC TGC TGC TCG TTG TAG AA			
IGFBP3	for	ACA GAC ACC CAG AAC TTC TCC T	60/64	202	NM_174556.1
	rev	AGA AAC CCC GCT TCC TGC C			
IL-15	for	TTC CAT CCA GTG CTA CTT GTG	60	127	NM_174090
	rev	ACA TAC TGC CAG TTT GCT TCT G			
IL-10	for	TGA TGC CAC AGG CTG AGA ACC AC	66	118	NM_174088
	rev	TCG CAG GGC AGA AAG CGA TGA C			
IL-13	for	AAT GGC AGC ATG GTG TGG AG	57	149	NM_174089.1
	rev	TGC TTA GCT GAG GGC TTG TG			
IL-3	for	CAC ACC CAC GGA AGA TCC AAT	57	150	NM_173920.2
	rev	GGG AAC TGG GCT TCA GAC TT			
IL-5	for	AGA ATC AAA CTG CAC AAG GGG A	64	229	XM_002706164.2

	rev	TCC TTC TCC TCC TCC AGA AAC T			
INHA	for	CTT CAG CTG CTC CTC TTG CT	60	233	NM_174094
	rev	TGG GAG ACA TCT TGG TCC TC			
iNOS	for	ACC ATG AGG CTC AAA TCG CA	65,5	247	NM_001076799.1
	rev	CCT TGA CCC AAT AGC TGC CA			
IRa	for	TCC TCA AGG AGC TGG AGG AGT	64	89	AJ320235
	rev	TTT CCT CGA AGG CCT GGG GAT			
IRb	for	TCC TCA AGG AGC TGG AGG AGT	64	111	AJ320235
	rev	TAG CGT CCT CGG CAA CAG G			
JAK2	for	GAC ACT CGG ACC TTT GCC TG	65	176	XM_005209981.1
	rev	CCA TTC CCA TGC AGA GTC GT			
Kras	for	TCT TTC TGC TCC ATC CAT ACT GT	62	100	NM_001110001.1
	rev	AAA CGC AGG GAA TAC TGG CA			
LAMA2	for	GCT ACC AAG GTG ACA GCA GA	66	102	XM_002690220.2
	rev	CTG GGC CAA GGC CTT AAT GA			
LDHA	for	GTG GCT TGG AAG ATA AGT GG	60	155	NM174099
	rev	ACT AGA GTC ACC ATG CTC C			
LIPE	for	TCG TGG CTC AAC TCC TTC TTG	60	101	NM_001080220.1
	rev	AGG GCT GCT TCA GAC ACA CTG			
LPL	for	CTC CTG ATG ATG CGG ATT TTG TA	60	196	NM_001075120
	rev	ACC AGC TGA TCC ACA TCT CC			
LTC4S	for	GCT GCA AGC CTA CTT CTC TCT	60	115	NM_001046098.2
	rev	GTT CAC TTG GGC TCG GTA GA			
MGP	for	CCG TGG CAG CTC TGT GTT AT	60	241	NM_174707.2
	rev	CGG TCG TAG GCA GCA TTG TA			
MMP-2	for	CCC AGA CAG TGG ATG ATG C	60	237	NM_174745
	rev	TTG TCC TTC TCC CAG GGT C			
MMP-23B	for	CGC T ACA GCT GGA AGA AAG G	66	163	NM_001038556
	rev	ACA GCT CGT CCT GCG ATA GT			
MS4A2	for	ATC TGA TTC GCG GAT GCC TG	60	178	XM_610492.4
	rev	ATC ATC GCC ACA ACT TCG GT			
MSTN	for	GCC TGT CAA GAC TCC TGC GA	66	173	AY160688

	rev	TGT TTG AGC CAG TTC TGC AAC AC			
MYH1	for	AGG GTC TTT GAT TGG GCT GC	66	198	NM_174117.1
	rev	TCT GCA CAG TTG CTT TCA CG			
MYOZ1	for	TGC CTA GCT CGG GTT CTC TA	62	109	NM_174397.2
		GCA TTG TGG AGG TGG ATG GA			
NFkB	for	GCC TGT CCT CTC TCA CCC CAT CTT TG	60	149	NM_001076409
	rev	ACA CCT CGA TGT CCT CTT TCT GCA CC			
NOS3	for	CCA GCT CAA GAC TGG AGA CC	66	156	NM_181037.3
	rev	TCA ATG TCA TGC AGC CTC TCC TG			
OXCT1	for	AGC ACA CGT CAC CAT ACC AA	65	183	NM_001076070.2
	rev	GTC AAC CCC AGC ATT GTT GC			
p27	for	GCT TGC AGA AAC CTC TTT GG	60	130	NM_001100346.1
	rev	CCA GGG GCT TGT GAT TCT TA			
p53	for	ATT TAC GCG CGG AGT ATT TG GAC	60	174	NM_174201.2
	rev	CCA GTG TGA TGA TGG TGA GGA			
PHB	for	GTC AGA GTG GAA GCA GGT GTG	66	101	NM_001034572.2
	rev	CTG CAA CGG CTA AGG CAA G			
PI3K	for	AAT CGG TGA CTG TGT GGG AC	64/68	120	NM_174574.1
	rev	CAC TGA TGG AGT GTG TGG CT			
PIK3CA	for	CAA TCG GTG ACT GTG TGG GA	64	119	NM_174574.1
	rev	CTG ATG GAG TGT GTG GCT GT			
PKB	for	CGA GGT GGA GAG CGT GAA A	66	100	NM_174585.3
	rev	AAA ATC CTC CAG CCC AGC ATT			
PKC	for	TGG GGT CCC TTT CCT TTG GG	66	299	NM_174435.1
	rev	TCC AGG TTG TTG GAA GGC TG			
PLC γ	for	TTG ACA GCC TTG TCG ACC TC	65,5	249	NM_174425.3
	rev	TGG TGA ATG TCA GCT CGT CC			
PPP3CA	for	GCC AGA GTG TTC TCG GTT CT	60	152	NM_174787.2
	rev	GCT TCA TCA GCC TCA ATA GCC			
PR	for	ACC AGC CCT ATC TCA ACT ACC	64	186	XM_583951.4
	rev	TAT GCT GTC CTT CCA TTG CCC			
PTGDS	for	GCC TCA ACC TCA CCT CTA CC	56	161	NM_174791.4

	rev	GGC GTA GGT CTC GTA GTC TG			
RABEP1	for	CTG ACG TTT CTC TTC AGC AGC	64	230	NM_001193161.1
	rev	TTC CAT CTC TGC TTG GGC TT			
Rap1A	for	ATG CTC GAA ATC CTG GAC ACA	64	226	NM_174448.3
	rev	CAA CTA CTC GCT CGT CTT CCA			
RB-1	for	CAA ATT CAG AGG CAC AAG CAA	60/62	179	NM_001076907
	rev	CTG GAA AAG GGT CCA GAT GAT			
RBBP1	for	TTT CCA GGT CCA CTG GTC TC	60	226	NM_001034638
	rev	CTC AGA CAC CGA GCA AAT GAC			
SERPINE1	for	CTG TTC CGT ACC ACG GTC AA	64	237	NM_174137.2
	rev	GCC ATC GGA CTT GTG GAA GA			
SERPIN2	for	TGC CAA TGC CCT CTA CCT TC	64	221	NM_001102054
	rev	TTA CCA GAA CCA GCC GAG TC			
SMAD2	for	ATG GTC GTC TTC AGG TGT CC	60	237	NM_001046218
	rev	GCA GTT CCG TTA GGA TCT CG			
SOS1	for	GCA ATA GCT GAT GCC CAA TCG	64	195	XM_002691241.3
	rev	TCG CAC ATA ATT CCC CAC CA			
SRF	for	CCA GAT GGC TGT GAT AGG GC	66	148	NM_001206016.1
	rev	ATA AGT GGT GCC GTC CCT TG			
STAT2	for	AAC CTT GAC AGC CCG TTT CA	64	212	NM_001205689.1
	rev	TCA GAG TCT TGG CTG CAT CG			
TEK	for	ACC TAG GAG GAC AGG CGA AT	65	148	NM_173964.2
	rev	AAG CTG ACT CCG CAG AGA AC			
TFE3	for	CTC AGA GAA GGA GAT TGA CGA TG	60	197	NM_001075811.2
	rev	AGG AGT TGC TGA CAG TGA TGG			
TGFA	for	TGA CTG CCC AGA TTC CCA CA	64	238	XM_593710.4
	rev	GCA GCA GTG TAT CAG CAC ACA			
TGFB	for	TTC ATG CCG TGA ATG GTG GCG	60	167	XM592497
	rev	ACG TCA CTG GAG TTG TGC GG			
THBS	for	ACA CGA CTG CAA CAA GAA CGC	62	199	NM_174196
	rev	GGT TGG GGC AAT TAT CCT TTG T			
TIMP2	for	GGG TCT CGC TGG ACA TTG	62	256	NM_174472.4

	rev	TTG ATG TTC TTC TTC GTG ACC			
TMSB4	for	TGA CAA ACC CGA TAT GGC TGA	66	121	NM_001113231.1
	rev	GCC TGC TTG CTT CTC CTG TT			
TNF α	for	CCA CGT TGT AGC CGA CAT C	60	155	NM173966
	rev	CCC TGA AGA GGA CCT GTG AG			
TNFR1	for	TCC AGT CCT GTC TCC ATT CC	60	236	NM173966
	rev	CTG GCT TCC CAC TTC TGA AC			
TNFR2	for	AGC AGC ACG GAC AAG AGG	60	220	AF031589
	rev	CTG TGT CCC TCG TGG AG			
UBC	for	AGA TCC AGG ATA AGG GAA GGC AT	60	198	Z18245
	rev	GCT CCA CCT CCA GGG TGA T			
VEGF-120	for	CCG TCC CAT TGA GAC CCT G	60	296	AB455252
	rev	CGG CTT GTC ACA ATT TTT CTT GTC			
VEGF-164	for	CCG TCC CAT TGA GAC CCT G	62	278	NM_174216.1
	rev	GCC CAC AGG GAT TTT CTT GC			
VEGF A	for	GGT GGA CAT CCT CCA GGA GTA	60/62	177	NM_174216.1
	rev	CTA TGT GCT GGC TTT GGT GAG			
YWHAZ	for	CAG GCT GAG CGA TAT GAT GAC	60	141	NM_174814
	rev	GAC CCT CCA AGA TGA CCT AC			

Supplemental Table 2: Primer pairs for quantification via RT-qPCR.