

SUPPLEMENTARY TABLES

Supplementary Table 1. List of primers.

Gene	Forward	Reverse
<i>Acadm</i>	TTG AGT TGA CGG AAC AGC AG	CCC CAA AGA ATT TGC TTC AA
<i>Acca2</i>	CTG ACG TAT ACT GAA CTG GTG TTG GAT G	TTT CCA GGC TAC CAT GCC AAT CTC
<i>Acox1</i>	ACT ACC TGG ACA GCC AAT GC	CCC GAC TGA ACC TGG TCA TA
<i>Acs11</i>	CCA GAG GGG GAT TCA GGT GTC AAA T	CTT TGT TCA CTA TGT AGG TGA TGG CGT C
<i>Adamt1</i>	GAA GGC AAA CGA GTC CGC TAC A	TTG GGT GTC CAC TCT ACA GTG G
<i>Atp5b</i>	TCCTGCCAGAGACTATGCG	GATGACTGCCACGATTCGC
<i>Cpeb1</i>	GAC TCA GAC ACG AGT GGC TTC A	ACG CCC ATC TTT AGA GGG TCT C
<i>Cpeb2</i>	GAG ATC ACT GCC AGC TTC CGA A	CAA TGA GTG CCT GGA CTG AGC T
<i>Cpeb3</i>	CGG ACC GAT AAT GGT AAC AAT CTG	CAG AGG CTC ATG GTC AGT CCT T
<i>Cpeb4</i>	TCA GCT CCA GAA GTA TGC TCG C	GAG TGC ATG TCA AAC GTC CTG G
<i>Egr2</i>	CCT TTG ACC AGA TGA ACG GAG TG	CTG GTT TCT AGG TGC AGA GAT GG
<i>Fbxo32</i>	ACA AGG GAA GTA CGA AGG AGC G	GGC AGT CGA GAA GTC CAG TC
<i>Irs2</i>	CCA GTA AAC GGA GGT GGC TAC A	CCA TAG ACA GCT TGG AGC CAC A
<i>Ndufs1</i>	AGG ATA TGT TCG CAC AAC TGG	TCA TGG TAA CAG AAT CGA GGG A
<i>Ndufs2</i>	GCA AGG AAT TTG CAT AAG ACA GC	TAG CCA TCC ATT CTG CCT TTG
<i>Ndufs8</i>	GGC ACG TGT TCC CTT CCT AC	CCG CTC CAG GTA CAG ATT ATT GT
<i>Nr4a1</i>	GTG CAG TCT GTG GTG ACA ATG C	CAG GCA GAT GTA CTT GGC GCT T
<i>Ppargc1a</i>	GGA CAT GTG CAG CCA AGA CTC	CAC TTC AAT CCA CCC AGA AAG CT
<i>Pygo1</i>	TGG ACT GGA TGG GTT AGG AGG G	TGG TCG GAG TTT GGA TTC GGT G
<i>Sdh</i>	GGA CCT ATG GTG TTG GAT GC	GTG TGC ACG CCA GAG TAT TG
<i>Tfam</i>	ATT CCG AAG TGT TTT TCC AGC A	TCT GAA AGT TTT GCA TCT GGG T
<i>Trim63</i>	GTG TGA GGT GCC TAC TTG CTC	GCT CAG TCT TCT GTC CTT GGA
<i>Zbtb43</i>	AGC ATC ATG GCT CAT AGG CGC T	TCA GTG ACC TGG TGC TCA TCG T

Supplementary Table 2. List of antibodies.

Primary antibody	Company	Cat#
MHC	SCBT	SC-376157
Myogenin	SCBT	SC-52903
HSP90	BD	610418
P62	PROGEN	GP62-C
LC3-III	CST	12741S
P-AKT (S473)	CST	9271L
P-AKT (T308)	CST	9275S
AKT	SCBT	SC-1618