

Supplemental Table 1. List of antibodies used for immunofluorescence, immunoprecipitation and western blot analyses.

Primary Antibody	Dilution	Source
CPE	1:1000-2000 ^a ; 1:400 ^b	BD Transduction
CPE	3ug ^c	Proteintech
Bip	1:2000 ^a	Gift from Dr. Peter Arvan (University of Michigan)
Beta-Catenin	1:100 ^b	
eIF4G1	1:250-1000 ^a	Proteintech
E-Cadherin	1:200 ^b	BD Transduction
β-Actin	1:1000-2000 ^a	Cell Signaling Technology
Vinculin	1:1000-2000 ^a	Cell Signaling Technology
Insulin	1:400 ^b	DAKO
Ki67	1:100 ^b	Abcam
BrdU	1:100 ^b	Proteintech
Pdx1	1:1500 ^a	Millipore
eIF4G2	1:500 ^a	Santa Cruz
eIF4G3	1:500 ^a	Santa Cruz
eIF4A1/II	1:500 ^a	Santa Cruz
eIF4E	1:500 ^a	Santa Cruz
Phospho-S6 S240	1:1000 ^a	Cell Signaling
Phospho-PERK Thr980	1:500 ^a	Cell Signaling
Total S6	1:1000 ^a	Cell Signaling
Total Oxphos	1:1000 ^a	Abcam
SERCA2	1:500 ^a	Santa Cruz

KIR6.2	1:500 ^a	Santa Cruz
Secondary Antibody	Dilution Factor	Source
HRP conjugated Goat Anti-Rabbit or Mouse IgG H&L or Streptavidin (STV)	1:5000-10000 ^a	GEHealthcare
FITC AffiniPure Donkey IgG H&L	1:400 ^b	Jackson Immunoresearch
Cy TM 3 AffiniPure Donkey IgG H&L	1:400 ^b	Jackson Immunoresearch

Dilution factor for ^awestern blot, ^bimmunofluorescence, ^cimmunoprecipitation

Supplemental Table 2. List of primers and sequences used for qPCR analysis.

	Primer Sequence
Beta-Actin Forward	5' – GCC CTG AGG CTC TTT TCC AG – 3'
Beta-Actin Reverse	5' – TGC CAC AGG ATT CCA TAC CC – 3'
CPE Left	5' – GCT CAG GTA ATT GAA GTC TT – 3'
CPE Right	5' – TAC TGC TCA CGA ATA CAG TT – 3'
INS1 Left	5' – GCC ATG TTG AAA CAA TGA CCT – 3'
INS1 Right	5' – CAG AGA GGA AGG TAC TTT GGA CTA TAA – 3'
INS2 Left	5' – GAA GTG GAG GAC CCA CAA GT – 3'
INS2 Right	5' – AGT GCC AAG GTC TGA AGG TC – 3'
NeuroD1 Forward	5' – CGC AGA AGG CAA GGT GTC – 3'
NeuroD1 Reverse	5' - TTT GGT CAT GTT TCC ACT TCC - 3'
eIF4G2 L	5' – AGC GAG CCG GAG CTC TAT – 3'
eIF4G2 R	5' – GGA GGG GAT GGT AGA AAT GAA – 3'
eIF4G3 L	5' – AAG AAA ATC CGT CCG CAT C – 3'

eIF4G3 R	5' – CTG ATT TCA GAG CCG GTT TC – 3'
eIF4A L	5' – GGA TCA TGT CTG CGA GTC AG – 3'
eIF4A R	5' – GCT ATC CAC AAT CTC GTT CCA – 3'
IRE1a L	5' – GCC GAA GTT CAG ATG GAA TC – 3'
IRE1a R	5' – ATC AGC AAA GGC CGA TGA – 3'