Supplemental Table 1. Primers used to induce mutagenesis of the human insulin promoter

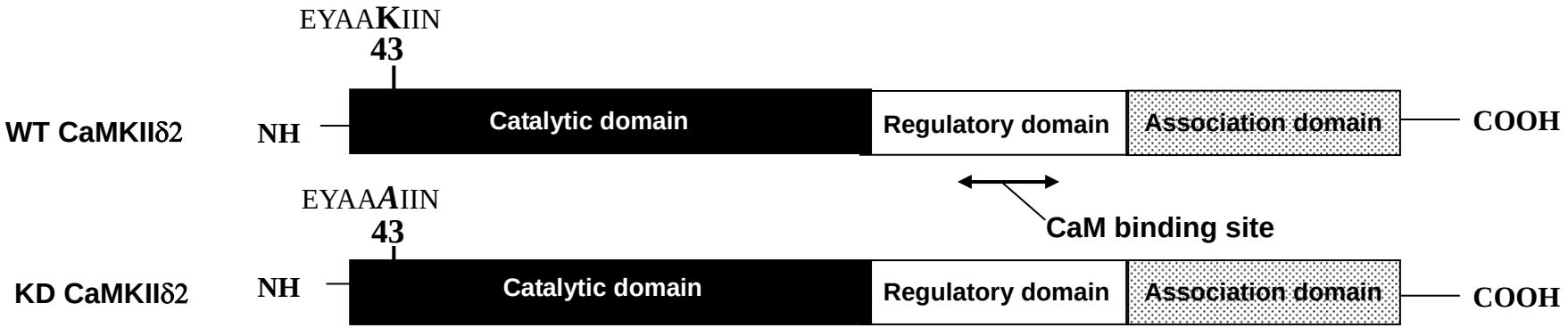
	Forward	Reverse
phINS356m2LUC	5’-TGGTCCTGAGGAAGAGGTGC*AC*ACGACCAAGG-3’	5’-GCACCTCTTCCTCAGGACCAGCGGGTCATT-3’
phINS356m1/2LUC	5’-CTGGTTAAGACTCTAA*TGGTCCGC*TGGTCC-3’	5’-ATTAGAGTCTTAACCAGGGGCCCGGTGGCC-3’

Mutations are underlined and the CRE region is indicated in italics.

Supplemental Table 2. Primers used for quantitative RT-PCR

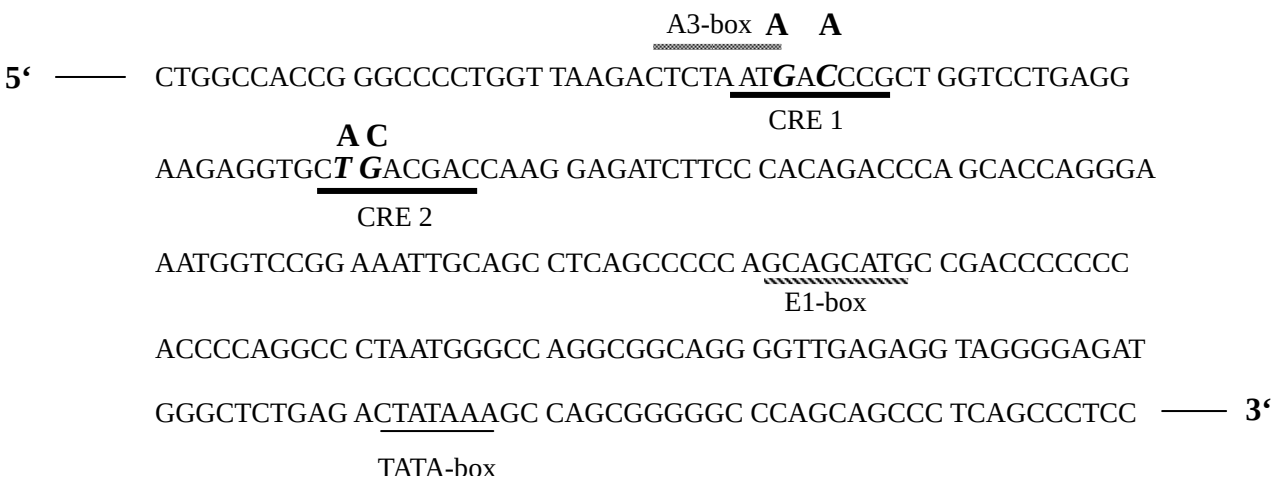
	Forward	Reverse
	5’-CCTGTTGGTGCACTTCCTA-3’	5’-CTCCCAGCTCCAGTTGTT-3’

Supplemental Figure 1. Schematic diagram of WT and KD CaMKIIδ2.



The KD form of δ2 was created by substituting Lys43 within the ATP binding domain with Ala.

Supplemental Figure 2. Schematic representation of the human insulin gene promoter.



CREB, PDX-1, and NeuroD binding sites (CREs, A3-box, and E1-box, respectively), and the TATA-box are indicated with solid lines or dashed lines. Italic bold letters denote original sequences and mutations are indicated in bold letters.