1 Supplemental data

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11 **cells.**

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12 mRNA levels were measured by qRT-PCR and normalized to GAPDH using the comparative
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13 CT method ((2^{-\Delta\Delta Ct})). Data are shown as means \pm SD of three experiments performed in
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- 14 duplicate.
- 15

16 Method

17	Quantitative real-time PCR (qRT-PCR) analyses for PKC and protein kinase D (PKD)
18	Total RNA was extracted from MIN6 cells using ISOGEN (Nippon Gene, Toyama, Japan)
19	according to the manufacturer's instructions. cDNAs were synthesized from 1 μ g of total
20	RNA. The reverse transcription reactions were performed at 42°C using a random primer and
21	SuperScriptII reverse transcriptase (Life Technologies). The mixture was dissolved in 40 μ l
22	of distilled water and the resulting cDNA was used as the template for qRT-PCR using a
23	Prism 7900HT sequence detector (Applied Biosystems, Carlsbad, CA, USA). Thermal
24	cycling parameters were 2 min at 50°C, 10 min at 95°C, followed by 40 cycles of 95°C for 15
25	sec and 60°C for 1 min. mRNA levels were analyzed with the comparative Ct method $(2^{-\Delta\Delta Ct})$
26	using GAPDH as the housekeeping gene. The TaqMan Gene Expression assays (Applied
27	Biosystems) used were: Mm00440858_m1 (Prkca), Mm00435749_m1 (Prkcb),
28	Mm00440861_m1 (<i>Prkcg</i>), Mm00440891_m1 (<i>Prkcd</i>), Mm00440894_m1 (<i>Prkce</i>),
29	Mm00435756_m1 (Prkch), Mm01340228_m1 (Prkcq), Mm00435769_m1 (Prkci),
30	Mm00776345_g1 (<i>Prkcz</i>), Mm00723995_m1 (<i>Pkn1</i>), Mm00618304_m1 (<i>Pkn2</i>),
31	Mm00435790_m1 (Prkd1), Mm00626821_m1 (Prkd2), Mm01232233_m1 (Prkd3). For
32	measuring GAPDH, the following primers and probes were used: Forward primer:
33	5'-GTCATCATCTCCGCCCCTT-3', Reverse primer: 5'-
34	ATATTTCTCGTGGTTCACACCCA-3', TaqMan probe: 5'FAM-

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35 TGCCGATGCCCCATGTTTGT-3'.