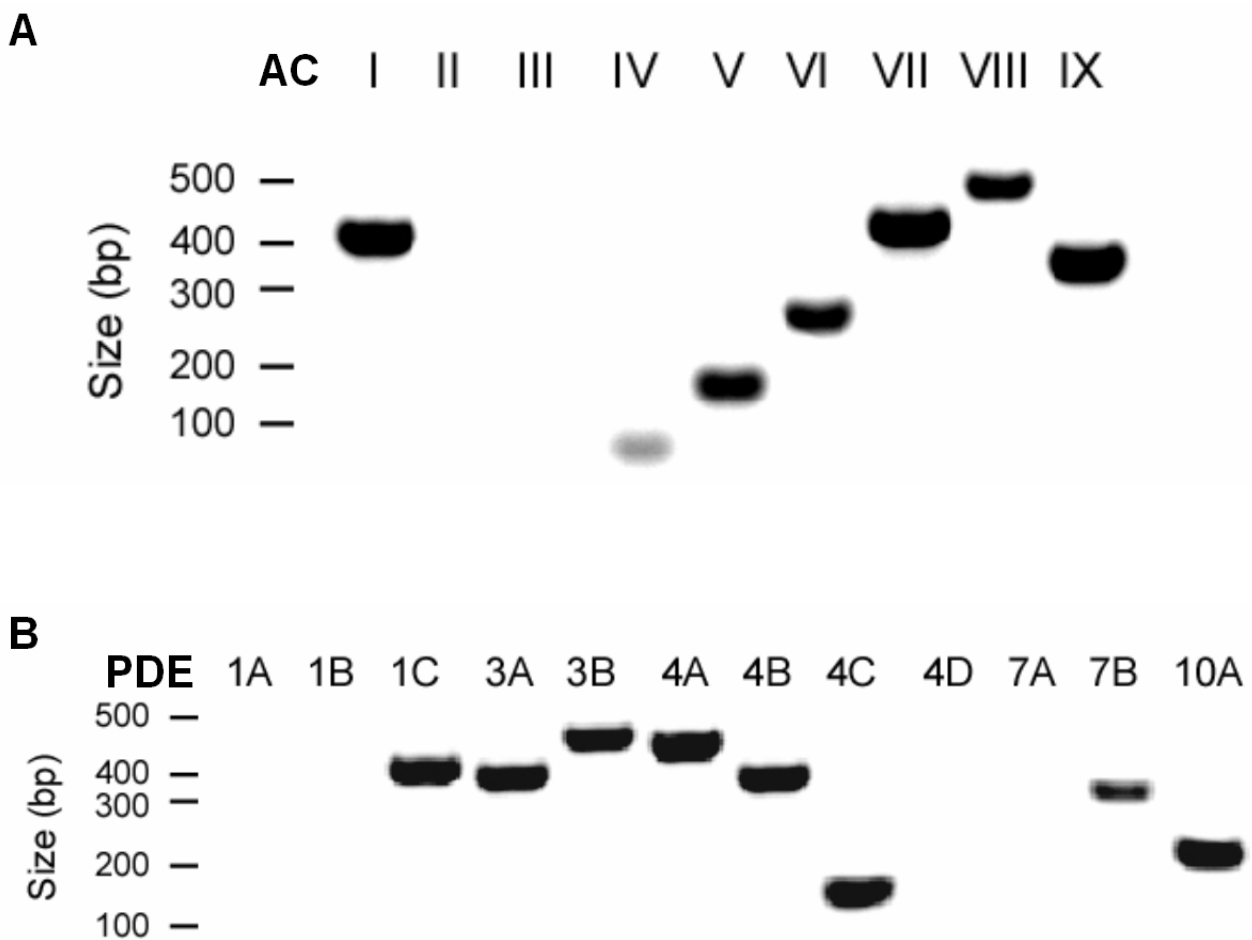


Supplemental information for “Interplay of Ca²⁺ and cAMP signaling in the insulin-secreting MIN6 β -cell line” by Landa *et al.*

Figure S1. Expression of adenylate cyclase and phosphodiesterase isoforms in MIN6 cells. PCR amplification of (A) AC and (B) PDE isoforms cDNA reverse transcribed from MIN6 cell total RNA. The polymerase chain reaction was performed as described in *Experimental Procedures* using corresponding primer pairs (see Supplemental Table 1). Data are representative of four independent experiments.

FIGURE S1



Supplemental Table 1. Oligonucleotide Sequences for RT-PCR Analysis of Adenylate Cyclase and Phosphodiesterase Isoform Expression. The forward and reverse primer sequences, and predicted amplicon size for each PCR product is listed.

<u>Gene</u>	<u>Accession Number</u>	<u>Primers 5' → 3'</u>	<u>Amplicon Size (bp)</u>
AC-I	BC_050125	AGGCCACTGAGGAGGGTAGAG TGGGCGTGCGTGACATC	405
AC-II	NM_153534	TTCCTGACAAGAAGCGTGTG GACTAGGGATGCGGTTACGA	368
AC-III	NM_138305	GGGGAGCTTCTGACCTTTTT TCCCAAAGCTTTTCACTGCT	172
AC-IV	NM_080435	TCCTGAACACAGACCTGACG GAGCTCAGGTGCCTAGGATG	59
AC-V	BC_090846	GGTAGGCAAGCTCAAAGCTG TTCCCTTACAGGGCATTGTC	175
AC-VI	NM_007405	TAGCTGGTGCCTTGGTTTCT TCTTCCTCTCCTCTGCCTTG	274
AC-VII	NM_007406	GCAAGTCTTTTGGGACAAGG CGGAATGCTCTGGAGCTAAG	429
AC-VIII	NM_009623	CTGCGCTTGCTGAATGAGAT TCGTCCCAGGAGAAAGTATGTT	498
AC-IX	NM_009624	CGGTCTCCCACAGATGAGAT TCTGGGGACAGAACTGAGG	351
PDE1A	NM_016744	GCTCCTCTCATGGCGTAGAC AAGAAAAGGGAGGGAGGTGA	243
PDE1B	NM_008800	AGAGGAGCCATTGGGATTCT CACCTGGACTTGGCCTTAAA	480
PDE1C	NM_011054	ACAGGGCAGAGGAGATCAAGTTT CTTTTCGCCTGCCTTTTCTCCTT	410
PDE3A	NM_018779	CCATTTGCCAATCTTCTGGT GAGGACGAAGCCTGTGAAAG	385
PDE3B	NM_011055	TTTTGCCAACTAATGCACCA CCAGCAAAGCAGCATTATGA	457
PDE4A	NM_019798	AGCCATGGAACAGTCAAAGGTCAA TCAGGAGGGCCAGGAGTCGT	438
PDE4B	NM_019840	CCACAGCTATTTTCAGCAGCA TGATGGGAACTGGCCTCTAC	362
PDE4C	NM_201607	GTCCAGCTGCAAGCCTTTAC GCCTGCAGTGGTCTTCTAGG	167
PDE4D	NM_011056	GGAGGACAATCGTGAGTGGT TGAGTCTTGGGTGCACAGAG	217
PDE7A	NM_008802	TCCATGTGGGAAAGGCTTAG TCGCCAAAGGGTAATGTTTC	228
PDE7B	NM_013875	ATGGAAACTGCCAATGCTTC CACCCACTTCGCAAATTCTT	323
PDE10A	NM_011866	GTGAAAACCCCTGTCAGAA GATGCAGGCAAGAACCTCTC	220