

Table 1. Primers Employed for PCR

Gene Name	Gene Bank Accession no.	5' oligonucleotide	3' oligonucleotide	Product Size	Annealing Temp (°C)	Cycles	Actin P:C ratio
mHGF	M29145	cggggtaaagacctacagg	cccattgcaggcatgc	146	58	25	2:8
mPLI	XM_127244	ttggagcctacattgtggtg	agcagttcagccaaacgagt	179	58	25	2:8
c-Myc	NM_010849	cgctggaattccatgccctcaacgtgaac ttcacc	cgcatcgatgagcccggagcggcggctc	220	60	25	2:8
E2F1	NM_007891	gaggctggatctggagactg	gagtcctccgaaagcagttg	444	58	25	-
E2F2	NM_177733	tggagggtatccagctcatc	gccagtttctgttggcatt	217	55	25	-
E2F3	BC059262	agacggaaacacacagaccc	ccgtgtagcagactcaca	785	55	25	-
E2F4	NM_148952	ctggcactgtgactgtgct	agcaccaccctctctgaa	152	58	25	-
E2F5	NM_007892	ctcaaagcggctgcagatac	ccacaactctgctggtcaa	234	58	25	-
E2F6	NM_033270	ggaaaacctactgccatcaa	atgccatccaagacattggt	243	58	25	-
E2F7	NM_178609	tgcggtacggttccttaac	ctgacaaaaggcttctctctg	181	55	25	-
cyclinD3 (1)	NM_007632	gctccaaccttctcagttgc	cccttaagaccccacaatca	233	55	25	2:8
cyclinD3 (2)	NM_007632	cgctgctctatgtctgc	agatatagcatggattgtct	318	55	25	2:8

Legend. RNA was obtained from isolated islets using RNAqueous-4PCR (Ambion, Austin, TX). Complementary DNA was obtained using Advantage RT-for PCR kit (BD Biosciences, Palo Alto, CA). PCR was performed with 1 μ L cDNA in a final volume of 25 μ L containing 1xTaq buffer (Promega, Madison, WI), 200 μ mol/L dNTPs (Promega), 0.5 μ Ci (α -³²P) deoxycytidine triphosphate (3,000 Ci/nmol) (Amersham Pharmacia Biotech), an actin primer pair and actin competitors (Ambion, Austin, TX) that allow actin RNA to be used as an internal control, 1.25 units of Taq DNA polymerase (Promega), and 400 nmoL of the primers shown in **Table 1**. The amplification program was: 3 min at 94°C, a number of cycles previously demonstrated to be nonsaturating on the linear amplification portion of the PCR products, corresponding annealing temperature for 1 min (**Table 1**), and 72°C for 1 min. The PCR products were separated on a 5% polyacrylamide gel in Tris-borate EDTA buffer, the gel dried and developed using X-ray film.