

Tables

Table 1

Sequences of target gene-specific PCR primers

	Sequences	References
Desmin		
Forward	5'-AGG CCT ACT CGT CCA GCC AGC GCG-3'	Yamane <i>et al.</i> , 1998a
Reverse	5'-CAT AGG ATG GCG CTC GGG TGG TCC-3'	
Myf5		
Forward	5'-GAG CTG CTG AGG GAA CAG GTG GAG A-3'	Yamane <i>et al.</i> , 1998a
Reverse	5'-GTT CTT TCG GGA CCA GAC AGG GCT G-3'	
MyoD		
Forward	5'-AGG CTC TGC TGC GCG ACC-3'	Hannon <i>et al.</i> , 1992
Reverse	5'-TGC AGT CGA TCT CTC AAA GCA CC-3'	
Myogenin		
Forward	5'-GAG CGC GAT CTC CGC TAC AGA GG-3'	Hannon <i>et al.</i> , 1992
Forward	5'-CTG GCT TGT GGC AGC CCA GG-3'	
MRF4		
Forward	5'-GAG AGG AAC ACG TTC TGG CTC C-3'	Hannon <i>et al.</i> , 1992
Reverse	5'-TGC TGG AGG CTG AGG CAT CC-3'	
Muscle creatine kinase		
Forward	5'-CAA TAA GCT TCG CGA TAA GGA G-3'	Hollenberg <i>et al.</i> , 1993
Reverse	5'-GAT GGG ATC AAA CAG GTC CTT G-3'	
Fast troponin C		
Forward	5'-TAC CTC AGC GAG GAG ATG ATC-3'	Yamane <i>et al.</i> , 2000a
Reverse	5'-CTC CCC AGA AGC CCG GAA AAT-3'	
Slow troponin C		
Forward	5'-GAT GAC ATC TAC AAA GCT GCG-3'	Yamane <i>et al.</i> , 2000a
Reverse	5'-AAT GGT CTC ACC TGT GGC CTG-3'	
GAPDH		
Forward	5'-GAT GCT GGT GCT GAG TAT GTC G-3'	Zhao <i>et al.</i> , 1995
Reverse	5'-GTG GTG CAG GAT GCA TTG CTG A-3'	
IGF-I		
Forward	5'-GCT CTT CAG TTC GTG TGT GG-3'	Hannon <i>et al.</i> , 1992
Reverse	5'-TTG GGC ATG TCA GTG TGG-3'	
IGF-II		
Forward	5'-CGT GGA AGA GTG CTG CTT CC-3'	Hannon, 1992
Reverse	5'-GAC ATC TCC GAA GAG GCT CC-3'	
IGFR1		
Forward	5'-TCT TGG ATG CGG TGT CCA ATA AC-3'	Wada <i>et al.</i> , 1993
Reverse	5'-GCA GCA CTC ATT GTT CTC GTT GC-3'	
IGFR2		
Forward	5'-TGC ACA CTC TTC TTC TCC TGG CA-3'	Yamane <i>et al.</i> , 2000b
Reverse	5'-GCA GAT GTT GAT ATA GAA GTC AGG-3'	
IGFBP1		
Forward	5'-CCA GGG ATC CAG CTG CCG TGC G-3'	Schuller <i>et al.</i> , 1994
Reverse	5'-GGC GTT CCA CAG GAT GGG CTG-3'	
IGFBP2		
Forward	5'-CAA CTG TGA CAA GCA TGG CCG-3'	Schuller <i>et al.</i> , 1994
Reverse	5'-CAC CAG TCT CCT GCT GCT CGT-3'	
IGFBP3		
Forward	5'-GAC ACC CAG AAC TTC TCC TCC-3'	Schuller <i>et al.</i> , 1994
Reverse	5'-CAT ACT TGT CCA CAC ACC AGC-3'	
IGFBP4		
Forward	5'-CGT CCT GTG CCC CAG GGT TCC T-3'	Schuller <i>et al.</i> , 1994
Reverse	5'-GAA GCT TCA CCC CTG TCT TCC G-3'	
IGFBP5		
Forward	5'-GTT TGC CTC AAC GAA AAG AGC T-3'	James <i>et al.</i> , 1993
Reverse	5'-CTG CTT TCT CTT GTA GAA TCC TT-3'	
IGFBP6		
Forward	5'-CCC CGA GAG AAC GAA GAG ACG-3'	Schuller <i>et al.</i> , 1994
Reverse	5'-CTG CGA GGA ACG ACA CTG CTG-3'	

TABLE 2

Formulae for the regression lines and correlation coefficients for IGF-I, II, IGFR 1 and 2.

Target gene	formula	r	significance
IGF-I	$y = 0.46x - 0.15$	0.99	$p < 0.001$
IGF-II	$y = 0.38x - 0.39$	0.99	$p < 0.001$
IGFR 1	$y = 0.52x - 0.64$	0.99	$p < 0.001$
IGFR 2	$y = 1.45x - 1.57$	0.99	$p < 0.001$

y, the logarithmic value of the ratio of the fluorescent intensity in the target gene band to that in its respective competitor band.

x, the logarithmic value of the concentration of the cDNA standard.

r, correlation coefficient .