

List of primer information for RT-PCR

Genes	Forward primer	Reverse primer	PCR size (bp)	GenBank Accession Number	T _m (°C)
Actin	AGCCATGTACGTAGCCATCC	CTCTCAGCTGTGGTGGTGAA	228	V01217	60
Ngn3	GAGTGGGTGGGCGTACTCTA	TTGGAAGTGAAGCACTTCGTG	186	NM_021700	59
Pdx-1	GGCTTAACCTAAACGCCACA	GGGACCGCTCAAGTTTGTA	247	NM_022852	59
NeuroD	GGATGATCAAAAGCCCAAGA	GCAGGGTACCACCTTTCTCA	163	NM_019218	59
Nkx2.2	GGGGTTTTTCAGTCAAGGACA	AGTCCGTGCAGGGAGTATTG	246	XM_345446	60
Nkx6.1	ACTTGGCAGGACCAGAGAGA	GGGCTTGTTGTAATCGTCGT	209	NM_031737	59
Pax4	AGGACGCTACTACCGCACAG	GGTACAAAGCCCTTCAGCAC	169	NM_031799	60
Insulin 1	CACCTTTGTGGTCCTCACCT	CCAGTTGGTAGAGGGAGCAG	232	NM_019129	59
Insulin 2	CATCAGCAAGCAGGTYATTG Y : C or T	CACTTGTGGGTCCTCCACTT	216	V01243	60
Glut2	TAAGGGGCACTGAGGACATC	TGCCAGCTGTCTGAAAAATG	216	J03145	60
Glucokinase	CAGTGGAGCGTGAAGACAAA	CTTGGTCCAATTGAGGAGGA	216	NM_012565	60
Kir6.2	GTAGGGGACCTCCGAAAAAG	TTGGAGTCGATGACGTGGTA	188	NM_031358	60
Glucagon	TCGTGGCTGGATTGTTTGTA	GTGAATGTGCCCTGTGAATG	160	NM_012707	60
PP	CTATCCACTTGGGTGGCTCT	ACCTAGGCCTGGTCAGTGTG	157	NM_012626	59
Amylase	GGCCTTCTGGATCTTGAC	TCCTTGGGAGAACCATTTTG	186	J00703	60
Albumin	AAAGCCACCTGCTTTCAAGA	TCACAGCACCCGTCATACAT	221	BC091391	60

Whenever possible, primers were designed to cross intron-exon boundaries in order to avoid genomic DNA amplification. For other primers, RT enzyme was omitted in the reverse transcriptase step of samples serving as negative controls (data not shown).