

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60

TABLES

Supplemental Table S1. Sequence of primers for real time PCR

Gene	Forward primer	Reverse primer
S25	5'-GTG GTC CAC ACT ACT CTC TGA GTT TC-3'	5'- GAC TTT CCG GCA TCC TTC TTC-3'
MafA cds	5'-CTT CAG CAA GGA GGA GGT CAT C-3'	5'- GCG TAG CCG CGG TTC TT-3
MafA UTR	5'- GTC TTC AGG GTC GCC GTC TAG-3	5'- GAG GTT GGG ACG CAG AAC TG-3
INSULIN 2	5'- TCT TCT ACA CAC CCA TGT CCC-3'	5'- GGT GCA GCA CTG ATC CAC-3
GLP1R	5'- TGC CCA TTC TCT TTG CAA TC-3	5'- TTC GCG AGT CTG CAT TTG AT-3
PC	5'- TTG AAG GAT GTG AAG GGC C-3'	5'- ACC TTT CCG ATA GTG CCC TC-3'
PCSK1	5'- CAG GGG AGA CAA GGA AAA G-3	5'- AGG CAC TGC TGA TAG AGA TGG-3
Catalase	5'- AGT CTC TCC ATC AGG TTA CTT TCT TGT-3'	5'- AGC CAT TCA TGT GCC GAT GT-3
PDX1	5'- GAC ACA TCA AAA TCT GGT TCC AAA-3	5'-TCC CGC TAC TAC GTT TCT TAT CTT C-3
NeuroD	5'- ACT CCA AGA CCC AGA AAC TGT C-3	5'- ACT GGT AGG AGT AGG GAT GCA C-3
MafB	5'-GAA GCC CGC GAG GCA TAT -3	5'-GGC CCT GGC ACT CAC AAA -3
cMaf	5'-CAG AAC TGG CAA TGA ACA ATT CC-3	5'-TCC TTT TTC ACT TCA AAC TTC ATC AG-3
Nkx2.2	5'-ATC TGG TTC CAA AAC CAT CG-3'	5'-TGTACTGGGCGTTGTATTGC-3'
Glucagon	5'-GCC GAG CAA GGC GAG ACT-3'	5'-CAT GTC TGC GCC CAA GTT C-3'
CaV 2.1	5'-CCC AAC GGG ACC AAA TGT C-3	5'-GGA TGT TCG AAC TGA GTG ATG-3'
Kir 6.1	5'- CAT GGA GAA CGG TGT GGG-3'	5'-CAG ATA GGA GGT GCG GGC-3'
GK	5'-AGC TCA GCG AAC CCC GGT CA-3'	5'- TCC CCG GAG TCG CTC TCC AC-3'
Preproins	5'-TCT ACC TGG TGT GTG GGG AG-3'	5'- CAC TGG TTA GCC TGA GAC CC-3'
PDH-B	5'-GGT CTG CGG CGC TTC TGT GT-3	5'-AAG CCT GCC GCA AAG GTC CC-3
ME	5'- TTA GCC CAC AGA CTC ATG GG-3'	5'-AGG ACT TTC TCA GCA GCA GG-3'
MDH	5'- ACT CGT TCC CTG TCG TGA TC-3'	5'-TCA TGC GGA GGA GAG AAA C-3'
G3PDH	5'-TGA GTT TCT GCA GCT GAT GA-3'	5'-TTG GAA CTC TAC GGT CCA AGT-3'
GLUT2	5'-TGG GTT CCT TCC AGT TCG-3'	5'-AGG CGT CTG GTG TCG TAT G-3'
Nkx 6.1	5'-TCT TCT GGC CTG GGG TGA TG-3'	5'-GGC TGC GTG CTT CTT TCT CCA-3