

Supplementary table 1. Sequences of real time PCR primers

Gene	Forward	Reverse
Grp78	TCATCGGACGCACTTGGAA	CAACCACCTTGAATGGCAAGA
Grp94	TGTATGTACGCCGCGTATTCA	TCGGAATCCACAACACCTTTG
Sec61a	CTATTTCCAGGGCTTCCGAGT	AGGTGTTGTACTGGCCTCGGT
ERdj4	CCCCAGTGTCAAACGTACCAG	AGCGTTTCCAATTTTCCATAAATT
ERdj5	GCTGGCTGATCACATTCTGCT	GCCGTCCAACATGCCACTA
Herp	CATGTACCTGCACCACGTCG	GAGGACCACCATCATCCGG
EDEM	AAGCCCTCTGGAACCTTGCG	AACCCAATGGCCTGTCTGG
PDI	CAAGATCAAGCCCCACCTGAT	AGTTCGCCCCAACCCAGTACTT
PDI-P5	AGCTCGTCAAGGATCGCCT	TATCACCTCTGCCCTGCTTTC
PDIp	GGAGGTCACCTGCCTAAGGAG	TGGAATTGGCTTGTGCTTCTG
Grp58	GAGGCTTGCCCCTGAGTATG	GTTGGCAGTGCAATCCACC
Ero1L	TCAGTGGACCAAGCATGATGA	TCCACATACTCAGCATCGGG
CHOP	GTCCCTAGCTTGGCTGACAGA	TGGAGAGCGAGGGCTTTG
XBP-1*	CCTGAGCCCGGAGGAGAA	CTCGAGCAGTCTGCGCTG
Amylase 2	GCAACAATGTTGGTGTCCGTAT	AATTCCTGTTATTTGGATTGAGG
Elastase I	GGCTCCTCTGTGAAGAATACCATG	CCCAGAATCACCTGGCAT
Elastase II	TGCTGCAGACCAATGGGAA	CATAGTCCACAACCAGCAGGC
Insulin II	CGTGGCTTCTTCTACACACCC	AGCTCCAGTTGTGCCACTTGT
Glucagon	AAACCAAGATCACTGACAAGAAATAGGT	TTTGAAATTGTACATCCCAAGTGAC
beta-actin	GCTCTGGCTCCTAGCACCAT	GCCACCGATCCACACCGCGT

* This primer set does not recognize XBP-1 knock-out allele.