

**Table S1.** Primer sequences for genotyping PCR and RT-PCR.

## Genotyping PCR

Gene	Forward	Reverse	Product (bp)
Derlin-1	ACCAGAGTTATGGGTGACTGT	TGTGCATTTCCACATACTTTC	525
Derlin-1*	ACCAGAGTTATGGGTGACTGT	CTTCCTCGTGCTTTACGGTATC	446
Derlin-3	TCTGGACCATGATAGACAGTG	GAAAAGAACCAATAGCAAGGA	393
Derlin-3*	TCTGGACCATGATAGACAGTG	CTTCCTCGTGCTTTACGGTATC	423
Herp	CCCCTCCCCCTTTGGTTGACA	TCCAGGGGCTTAGACGCTTAC	343
Herp*	CCCCTCCCCCTTTGGTTGACA	TGGACCTGGGAGTGGACACCT	252

\* Targeted alleles.

## RT-PCR

Gene	Forward	Reverse	Product (bp)
XBP1	GATCCTGACGAGGTTCCAGAG	AAGATGTTCTGGGGAGGTGAC	140, 114
Derlin-1	TCATGTCCCCAGAGTTGCAG	AACACACATCCGCAACGAGG	547
Derlin-2	CAACCCACTACCTGAAGAGC	CCATTTACACCACGGCCTTG	412
Derlin-3	CAAGAGACTGCTGCTGACCC	GATTCCTGTTGACTGGGCTG	367
Herp	ATCTCTAGGCCTGAGGCTGTC	GCAGTGGCAGCTAAGTATTGC	146
HRD1	CTTCCCCACCAATTCCTGAAG	AGTTCTGCAGCATCAGGCTCT	100
GRP78	TCTCAGCATCAAGCAAGGATT	CTTCATGGTAGAGCGGAACAG	120
GAPDH	AGAAACCTGCCAAGTATGATG	CTGTAGCCGTATTCATTGTCA	214