

Supplementary Table 1 *Primer sequences for bisulfite modified PCR and RT-qPCR.*

Primer	Sequence (5' - 3')
BSP forward	GAGGGGGAAGAATAATAGTAGAGAG
BSP reverse	CTCTCCTTCATACATATTTACAAAAC
<i>TAP63</i> forward	GTCCCAGAGCACACAGACAA
<i>TAP63</i> reverse	TAGCATGGACTGTATCCGCA
Δ <i>NP63</i> forward	AGCCAGAAGAAAGGACAGCA
Δ <i>NP63</i> reverse	TCACTAAATTGAGTCTGGGCAT
<i>KRT1</i> forward	ATGGACAACAACCGCAGTCT
<i>KRT1</i> reverse	TGCAGCTCTTCATACTTGCTCT
<i>KRT5</i> forward	CTCATGAACACCAAGCTGGC
<i>KRT5</i> reverse	CTGCCACTGCCATATCCAGA
<i>KRT10</i> forward	TCCCAACTGGCCTTGAAACA
<i>KRT10</i> reverse	TGAGAGCTGCACACAGTAGC
<i>KRT14</i> forward	ACCTCTCCTCCTCCAGTTC
<i>KRT14</i> reverse	TCGZGCACATCCATGACCTT
<i>ACTB</i> forward	GCCGACAGGATGCAGAAGGAG
<i>ACTB</i> reverse	CTAGAAGCATTGCGGTGGAC

BSP, bisulfite sequencing PCR primer; red bases represent bisulfite converted residues (C->T; G->A). All other sequences were used for RT-qPCR.