

**Table S1** Primer sequences used in the study

<b>Genes</b>	<b>Forward primer</b>	<b>Reverse primer</b>
CK5	GGAGAAGGAGTTGGACCAGTCAAC	CTACCTCCGGCAAGACCTCCAC
CK10	ATGTCTGTTCGATACAGCTCAAG	CTCCACCAAGGGAGCCTTTG
CK18	GTTGACCGTGGAGGTAGATGC	GAGCCAGCTCGTCATATTGGG
CEA	TAAGTGTTGACCACAGCGACCC	GTTCCCATCAATCAGCCAAGAA
AQP5	CGGGCTTTCTTCTACGTGG	GCTGGAAGGTCAGAATCAGCTC
$\beta_2$ -AR	TTGCTGGCACCCAATAGAAGC	CAGACGCTCGAACTTGGCA
TGF $\beta$ -R1	ACGGCGTTACAGTGTTTCTG	GCACATACAAACGGCCTATCTC
LEF1	AGAACACCCCGATGACGGA	GGCATCATTATGTACCCGGAAT
BMPRI1A	AGATGACCAGGGAGAAACCAC	CAACATTCTATTGTCCGGCGTA
FGFR2	AGCACCATACTGGACCAACAC	GGCAGCGAAACTTGACAGTG
EGFR	TTGCCGCAAAGTGTGTAACG	GTCACCCCTAAATGCCACCG
RAR $\alpha$	AAGCCCGAGTGCTCTGAGA	TTCGTAGTGTATTTGCCCAGC
EDA	GGACGGCACCTACTTCATCT	TGTAGTTGGTCTTGCCCGTC
$\beta$ -ACTIN	CATGTACGTTGCTATCCAGGC	CTCCTTAATGTCACGCACGAT

*CK5* cytokeratin 5, *CK10* cytokeratin 10, *CK18* cytokeratin 18, *CEA* carcino-embryonic antigen, *AQP5* aquaporin 5,  $\beta_2$ -AR  $\beta_2$ -adrenergic receptor, *TGF $\beta$ -R1* TGF- $\beta$  type 1 receptor, *LEF1* lymphoid enhancer-binding factor 1, *BMPRI1A* bone morphogenetic protein receptor 1A, *FGFR2* fibroblast growth factor receptor 2, *EGFR* epidermal growth factor receptor, *RAR $\alpha$*  retinoic acid receptor  $\alpha$ , *EDA* ectodermal dysplasia antigen