**Supplementary File 5: List of primers used for qPCR**

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| Gene | Product Size (bp) | Primer Sequence5`-3` | NM # |
| *VIM* | 123 | F>AGGTGGACCAGCTAACCAAC | NM\_003380 |
| R>TTTCGGCTTCCTCTCTCTGA |
| *YAP1* | 83 | F>CCCAGATGAACGTCACAGC | NM\_006106 |
| R>GATTCTCTGGTTCATGGCTGA |
| *POLR2A* | 73 | F>GCAAATTCACCAAGAGAGAC | NM\_000937 |
| R>CACGTCGACAGGAACATCAG |
| *KRT18* | 117 | F>TGATGACACCAATATCACACGA | NM\_000224 |
| R>ATCTGGGCTTGTAGGCCTTT |
| *KRT19* | 126 | F>GCCACTACTACACGACCATCC | NM\_002276 |
| R>CAAACTTGGTTCGGAAGTCAT |
| *KRT80*  | 257 | F> AGGATGCCAAGACCAAGCTG | NM\_001081492 |
| R>CAGCTACAGGGAACATAAGGGG |
| *SNAI*1 | 92 | F>TACAGCGAGCTGCAGGACT | NM\_005985 |
| R>ATCTCCGGAGGTGGGATG |
| *SNAI2* | 984 | F>TGGTTGCTTCAAGGACACAT | NM\_003068.4 |
| R>GCAAATGCTCTGTTGCAGTG |
| *TWIST1* | 124 | F>AGCTACGCCTTCTCGGTCT | NM\_000474 |
| R>CCTTCTCTGGAAACAATGACATC |
| *ZEB1* | 74 | F>TGCAGTTTTCAAAGTTAGGAACAA | NM\_001128128 |
| R>TGTTGCTCTCTGAGTCATTAAGGT |
| *ZEB2* | 86 | F>TTGCTCCAAGATGTGTGAGG | NM\_001171653 |
| R>TGTGGGGCTCCAGATATACAC |
| *KRT8* | 282 | F>AGCTTCTCCGCTCCTTCTAGG | NM\_002273 |
| R>CAGGCTCTGGTTGACCGTAA |
| *XIST* | 183 | F>AGATCTTCCTCAGAAGAATAGG | NR\_001564.2 |
| R>TTTATCTTCCTATCTGGGACC |