**Supplementary File 1. Primers used for quantitative Reverse Transcription PCR (qRT-PCR).**

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| Target name | Forward (top) and reverse (bottom) primers |
| *AR* | CAACTCCTTCAGCAACAGCA |
| TCGAAGTGCCCCCTAAGTAA |
| *FKBP5* | AAAAGGCCAAGGAGCACAAC |
| TTGAGGAGGGGCCGAGTTC |
| *GAPDH* | TGCACCACCAACTGCTTAGC |
| GGCATGGACTGTGGTCATGAG |
| *GUSB* | CGTCCCACCTAGAATCTGCT |
| TTGCTCACAAAGGTCACAGG |
| *KLK2* | GGTGGCTGTGTACAGTCATGGAT |
| TGTCTTCAGGCTCAAACAGGTTG |
| *KLK3* | ACCAGAGGAGTTCTTGACCCCAAA |
| CCCCAGAATCACCCGAGCAG |
| *L19* | TGCCAGTGGAAAAATCAGCCA |
| CAAAGCAAATCTCGACACCTTG |
| *PGD* | CACAGCAGGGTTCTCCAGTT |
| GTCAGTGGTGGAGAGGAAGG |
| *PPIA* | GCATACGGGTCCTGGCAT |
| ACATGCTTGCCATCCAACC |
| *TMPRSS2* | GACCAAGAACAATGACATTGCG   |
| GTTCTGGCTGCAGCATCATG  |
| *TUBA1B* | CCTTCGCCTCCTAATCCCTA |
| CCGTGTTCCAGGCAGTAGA |