

Supplemental Table 1

qPCR primers	Primer sequences
KLK3/PSA	Forward: TGTGTGCTGGACGCTGGA Reverse: CACTGCCCATGACGTGAT
TMPRSS2	Forward: GGACAGTGTGCACCTCAAAGAC Reverse: TCCCACGAGGAAGGTCCC
FKBP5	Forward: GCAACAGTAGAAATCCACCTG Reverse: CTCCAGAGCTTTGTCAATTCC
GAPDH	Forward: AACAGCCTCAAGATCATCAG Reverse: CATGAGTCCTTCCACGATAC
YFP INTERNAL CONTROL 1	Forward: GCTGGTTTAGTGAACCGTCAG Reverse (1): GCTGAACTTGTGGCCGTTTA Reverse (2): GGACACGCTGAACTTGTGG
YFP INTERNAL CONTROL 2	Forward: CAACGGGACTTTCCAAAATG Reverse: CTCCTCGCCCTTGCTCAC
YFP LIGATED PRODUCT 1	Forward: AGTCGTGTCTTACCGGGTTG Reverse: AGTTCGGTGTAGGTCGTTCCG
YFP LIGATED PRODUCT 2	Forward: TACATCAATGGGCGTGGATA Reverse: AAGTCCCGTTGATTTTGGTG
ChIP primers	Primer sequences
XRCC2 AROR 1	Forward: GCCTGAACAATGGAGATAAAAAGAG Reverse: TGCCTCAGGGAACAAATAAGAC
XRCC2 AROR 2	Forward: AGCCAAAACACTCCCTCAAG Reverse: CTC AAGTCATCTTCCCACCTC
XRCC3 AROR 1	Forward: GCCAGCGTTTTGTAACTG Reverse: GGATTTGGATCTACTGGACCTG
PRKDC AROR 1	Forward: GCATCGCTAGGGAACAAGG Reverse: CTGCGATAAACATCTTGACAGAG
PRKDC AROR 2	Forward: AAGGTGTCACTTCTGTTTAC Reverse: TGAGCTATGCTGATTTTACCTAGG
PSA Middle	Forward: CAGTGGCCATGAGTTTTGTTTG Reverse: AACCAATCCAACCTGCATTATACACA