

**Primers for RT-PCR:** ERG forward, 5'-CAAGTAGCCGCCTTGCAAA-3'; ERG reverse, 5'-GCTCCAGGAGGAACTGCCA-3'; ERG probe, 5'-FAM-CCAGGCAGTGGCCAGATCCAGC-3' TMPRSS2 forward, 5'-CCTGTGTGCCAAGACGACTG-3'; TMPRSS2 reverse, 5'-TTATAGCCCATGTCCCTGCAG-3'; TMPRSS2 probe, 5'-FAM-AACGAGAACTACGGGCGGGCG-3'; PSA forward, 5'-GATGAAACAGGCTGTGCCG-3'; PSA reverse, 5'-CCTCACAGCTACCCACTGCA-3'; PSA probe, 5'-FAM-CAGGAACAAAAGCGTGATCTTGCTGGG-3'; AR forward, 5'-GGAATTCCTGTGCATGAAA-3'; AR reverse, 5'-CGAAGTTCATCAAAGAATT-3'; AR probe, 5'-FAM-CTTCAGCATTATTCCAGTG-3'; AKR1C3 forward, 5'-CGAGACAAACGATGGGTGG-3'; AKR1C3 reverse, 5'-GGCACAAAGGACTGGGTCCT-3'; AKR1C3 probe, 5'-FAM-CCCGAACTCCCCGGTGCTCTTG-3'; HSD17B3 forward, 5'-TGAAATCTTGGCGGGCTTT-3'; HSD17B3 reverse, 5'-GAAGGCACCGCTGTAGAAGG-3'; HSD17B3 probe, 5'-FAM-TGAGCCTGATCCCGCCTGG-3'; HSD17B6 forward, 5'-ACTCGGGCTTTGGGAACCT-3'; HSD17B6 reverse, 5'-AGACACGCAGCCAGCACTC-3'; HSD17B6 probe, 5'-FAM-CAGACAGCTGGATGCACGAGGCTTG-3'; CYP17A1 forward, 5'-GCTGACTCTGGCGCACACT-3'; CYP17A1 reverse, 5'-TTGAACAGGGCAAAGGTGG-3'; CYP17A1 probe, 5'-FAM-AGCTGCATCGAAGGCTGGCGA-3'; HSD3B2 forward, 5'-GGAAGGAGGCCCATTCCTT-3'; HSD3B2 reverse, 5'-CCAACACTTGACAGGATCCCA-3'; HSD3B2 probe, 5'-FAM-CTGCCAGTATAAATGAGGCCCTGAACAACA-3'.