

**Supplementary Table 1:** Descriptives of the study cohort used for determination of AR mutations and polymorphisms

<b>Source of gDNA</b>	<b>Ethnic group</b>	
	<b>African Americans</b>	<b>Caucasian Americans</b>
Sporadic PCa tissues	N = 200	N = 100
WBCs of PCa patients	N = 88	N = 74
WBCs of unrelated healthy donors	N = 61	N = 63

**Supplementary Table 2: AR-specific PCR primer pairs flanking intron-exon boundaries.<sup>a</sup>**

Exon OR Polymorphic Site	5'-sense	5'-antisense	T <sub>m</sub> / Product size (bp)
<b><i>Exon 1a</i></b>	CACAGGCTACCTGGTCCTGG	CTGCCTTACCACAACCTCCTTGGC	59°C / 423
<b><i>Exon 1b</i></b>	GCTCCCACTTCCTCCAAGGACAATTAC	CGGGTTCTCCAGCTTGATGCG	58°C / 372
<b><i>Exon 1c</i></b>	GACTTCACCGCACCTGATGTGTGGT	CCAGAACACAGAGTGACTCTGCC	56°C / 342
<b><i>Exon 2</i></b>	GCCTGCAGGTTAATGCTGAAGACC	CCTAAGTTATTTGATAGGGCCTTGCC	58°C / 379
<b><i>Exon 3</i></b>	GTTGGTGCCATACTCTGTCCAC	CTGATGGCCACGTTGCCTATGAA	58°C / 413
<b><i>Exon 4</i></b>	GGAGTTTAGAGTCTGTGACCAGG	GATCCCCCTTATCTCATGCTCCC	57°C / 455
<b><i>Exon 5</i></b>	CAACCCGTCAGTACCCAGACTGACC	AGCTTCACTGTCACCCCATCACCATC	61°C / 284
<b><i>Exon 6</i></b>	CTCTGGGCTTATTGGTAAACTTCC	GTCCAGGAGCTGGCTTTTCCCTA	56°C / 292
<b><i>Exon 7</i></b>	CTTTCAGATCGGATCCAGCTATCC	CTCTATCAGGCTGTTCTCCCTGAT	57°C / 415
<b><i>Exon 8</i></b>	GAGGCCACCTCCTTGTCAACCCTG	GGAACATGTTTCATGACAGACTGTACATCA	61°C / 346

<sup>a</sup> Acces # NM\_000023.