	AR isoform/variant					
	AR45	AR8	ARv567es	ARV1	ARV7	AR23
Tissues, cells and cell lines expressed	AR45 Prostate, Testis, Uterus, Breast, Heart, Lung, Trachea, Liver, Kidney and Muscle LNCaP cells, Cardiomyocytes, HepG2 cells, and hepatocellular carcinoma cells	AR8 Benign and malignant prostate cells, LNCaP, C4-2 and C4-2B cells	<b>ARv567es</b> Normal and malignant prostate epithelial cells, LuCap xenografts	ARV1 Prostate cancer cells from CRPC patients Primary tumors and bone metastases	ARV7 Normal (low levels) and malignant (higher levels) prostate epithelial cells, prostate cancer cells from CRPC models and CRPC patients, VCaP and Myc- CaP cells, LuCap	<b>AR23</b> Metastatic prostate cancer after anti-androgen treatment
Function	Inhibits AR function by the formation of AR–AR45 heterodimers	Primarily localized at the plasma membrane Its over- expression promotes association of Src and AR with EGF receptor	Constitutively active Increases the expression of AR	Constitutive and ligand independent activation Confers castration resistant growth	Constitutive and ligand independent activation Confers castration resistant growth	No nuclear localization and activation of androgen responsive reporters Increases AR activation
References	8, 15, 16	14	12, 10	17, 9, 18	11, 12	13, 19

Table 1. Tissues and cells where the different AR isoforms and splice variants have been found to be expressed