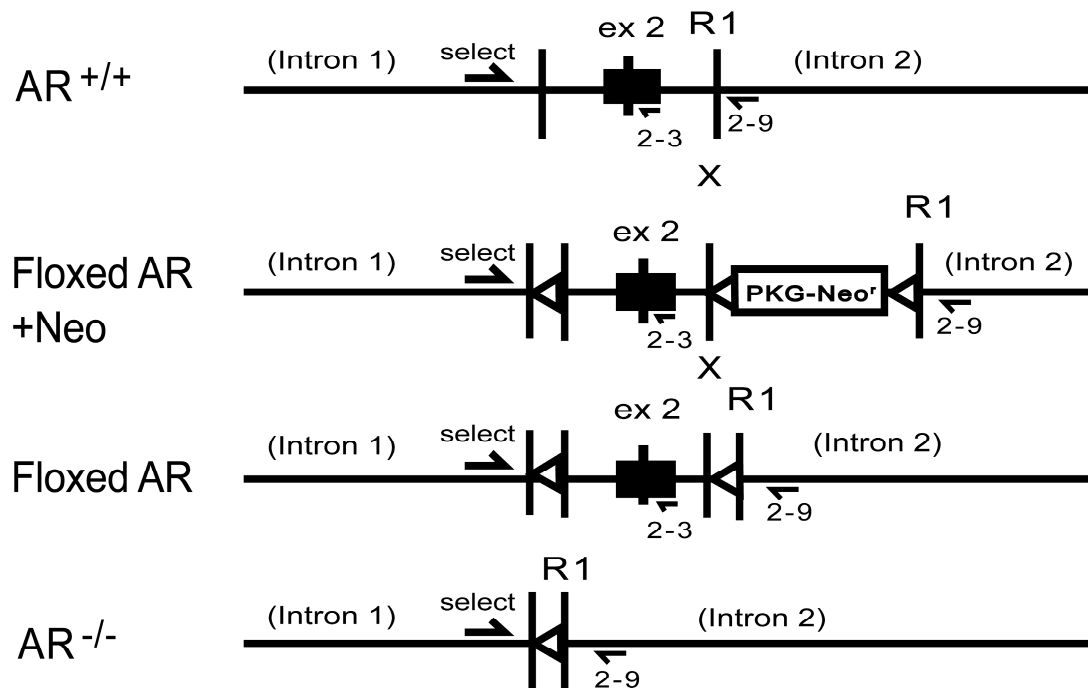


Supplementary Information

(A)



(B)

Genotype	ACTB	Primer	PCR product size
-/Y		Select & 2-9	238 bp
-/X		Select & 2-9	238 & 580 bp
X/Y		Select & 2-9	580 bp
X/X		Select & 2-9	580 bp

Figure S1. Genotyping of $AR^{-/-}$ mice. We have used the primers “select” and “2–9” to identify $AR^{+/+}$ and $AR^{-/-}$ female mice in our study. **(A)** Schematic presentation of the DNA construct and primer location in exon 2 area of $AR^{+/+}$, $AR^{-/-}$, and floxed AR genes; **(B)** List of the sizes of PCR product amplified by designed primer pairs.