Supplementary Material

Jaboticaba extract prevents prostatic damages associated with aging and high-fat diet intake.

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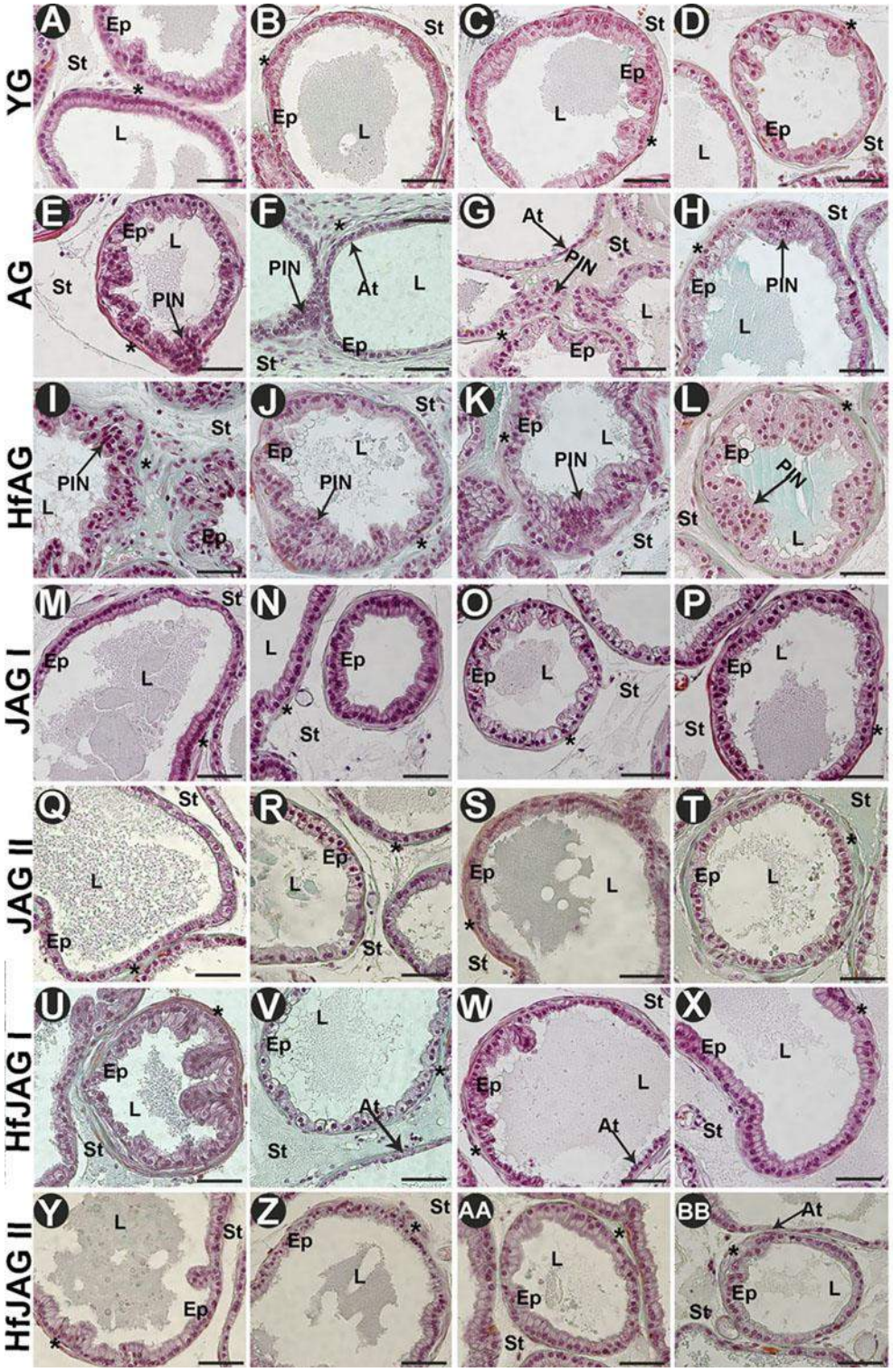

Fig 1 Photomicrographs of the ventral prostate morphology observed in the other animals from each experimental groups. (A-D) YG group. (E-H) AG group. (I-L) HfAG group. (M-P) JAG I group. (Q-T) JAG II group. (U-X) HfJAG I group. (Y-BB) HfJAG II group. Scale Bar=50µm. (Ep): epithelium; (St): stroma; (L): lumen; (*): fibromuscular layer; (thin arrow): prostatic intraepitelial neoplasia; (thick arrow): inflammatory infiltrate. Sections stained with Masson's Trichrome (A-U).

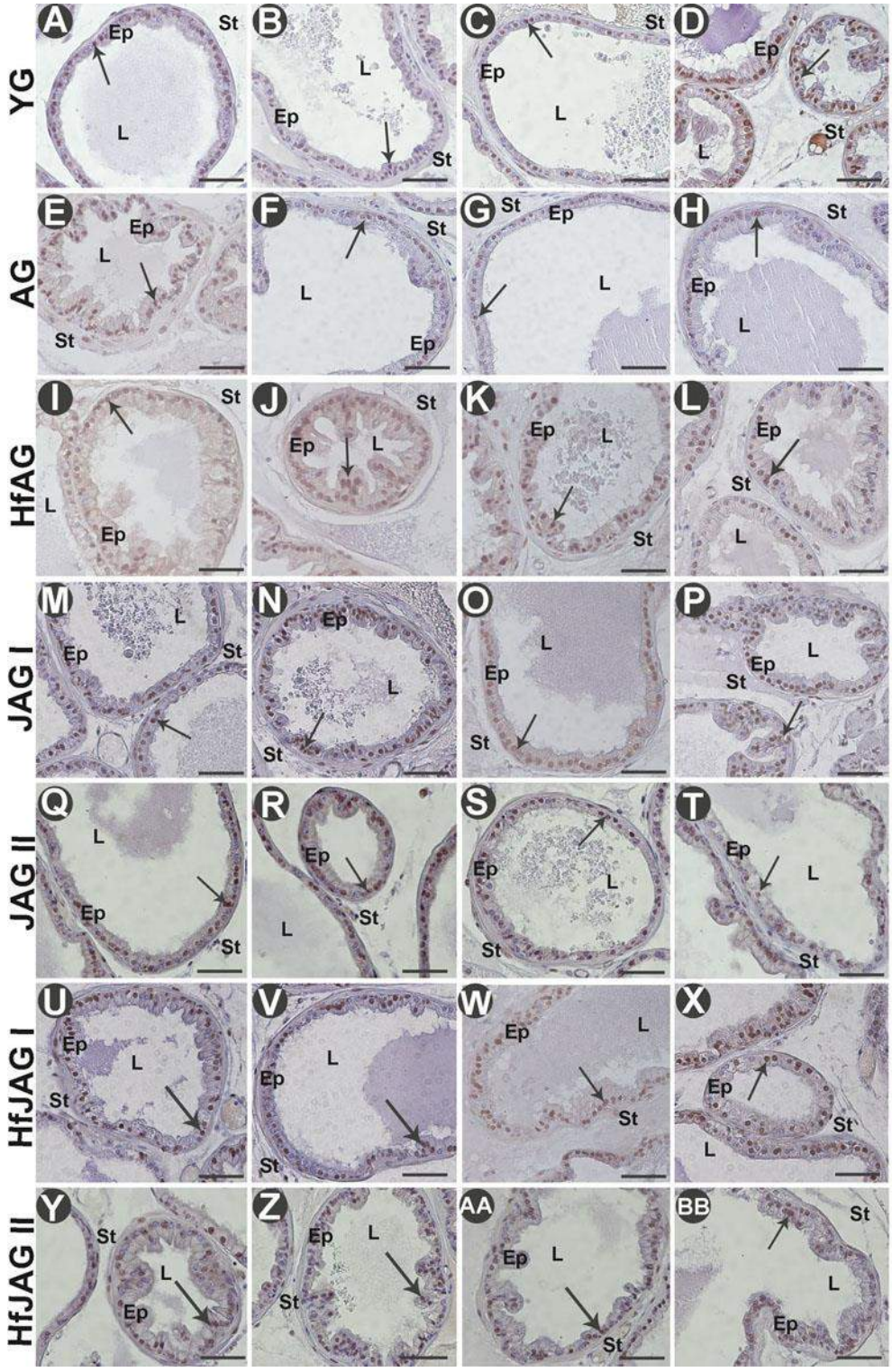

Fig 2 Representative photomicrographs of the ventral prostate AR immunoreactivity observed in the other animals from each experimental groups. (A-D) YG group. (E-H) AG group. (I-L) HfAG group. (M-P) JAG I group. (Q-T) JAG II group. (U-X) HfJAG I group. (Y-BB) HfJAG II group. Scale Bar=50μm. (Ep): epithelium; (St): stroma; (L): lumen; (thin arrow): immunostaining.

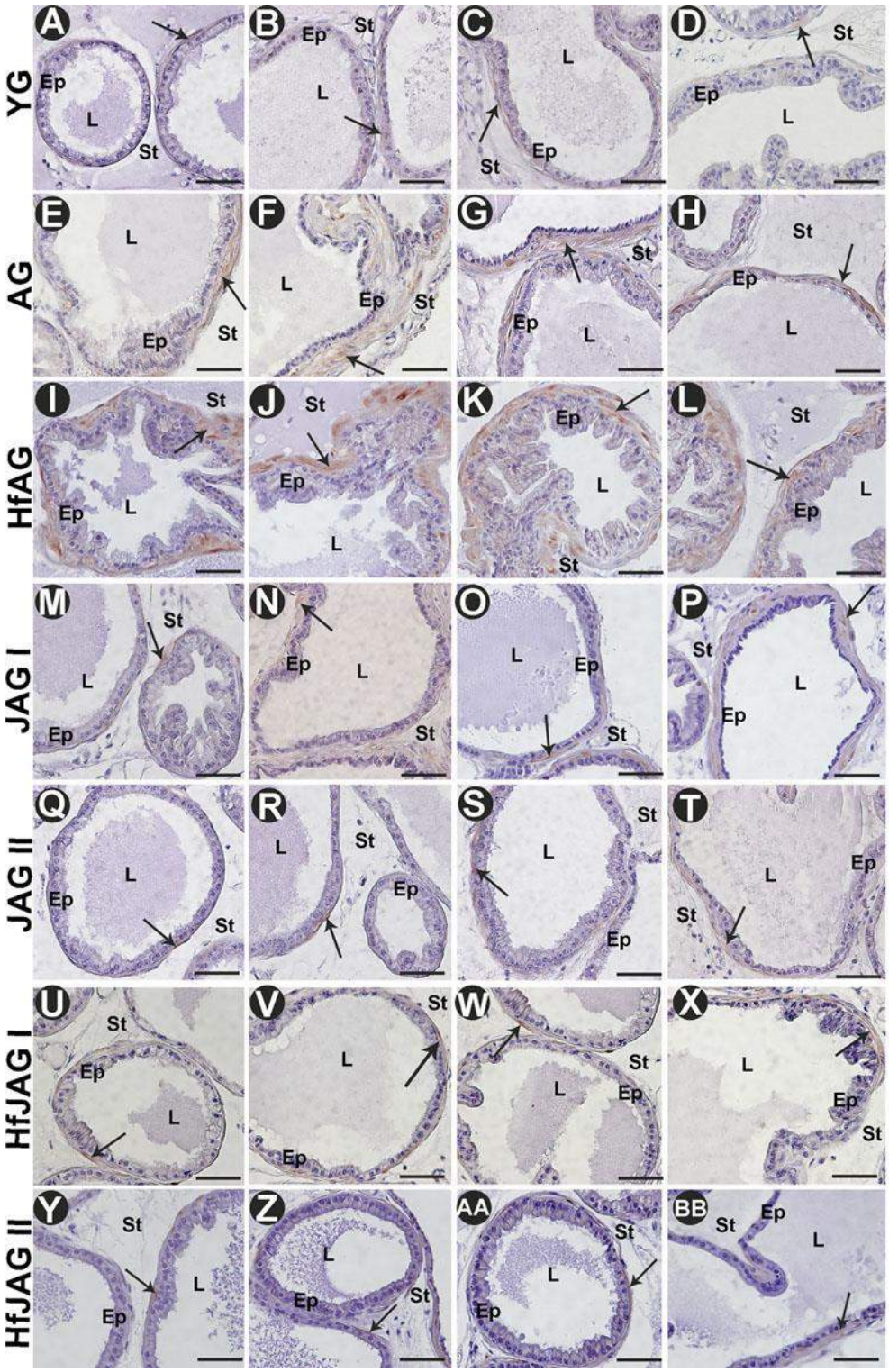

Fig 3 Representative photomicrographs of the ventral prostate ERα immunoreactivity observed in the other animals from each experimental groups. (A-D) YG group. (E-H) AG group. (I-L) HfAG group. (M-P) JAG I group. (Q-T) JAG II group. (U-X) HfJAG I group. (Y-BB) HfJAG II group. Scale Bar=50μm. (Ep): epithelium; (St): stroma; (L): lumen; (thin arrow): immunostaining.

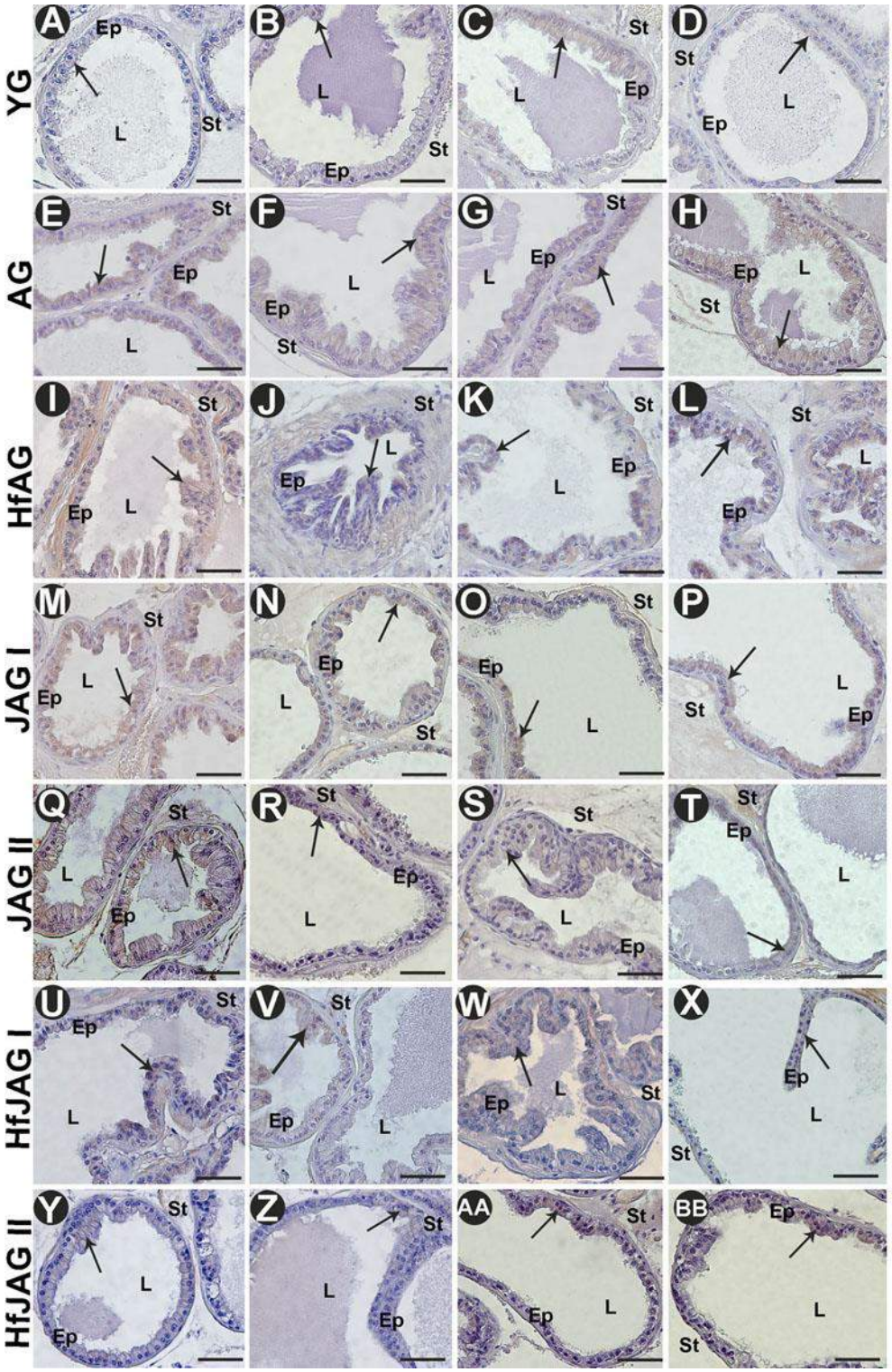

Fig 4 Representative photomicrographs of the ventral prostate VEGF immunoreactivity observed in the other animals from each experimental groups. (A-D) YG group. (E-H) AG group. (I-L) HfAG group. (M-P) JAG I group. (Q-T) JAG II group. (U-X) HfJAG I group. (Y-BB) HfJAG II group. Scale Bar=50µm. (Ep): epithelium; (St): stroma; (L): lumen; (thin arrow): immunostaining.

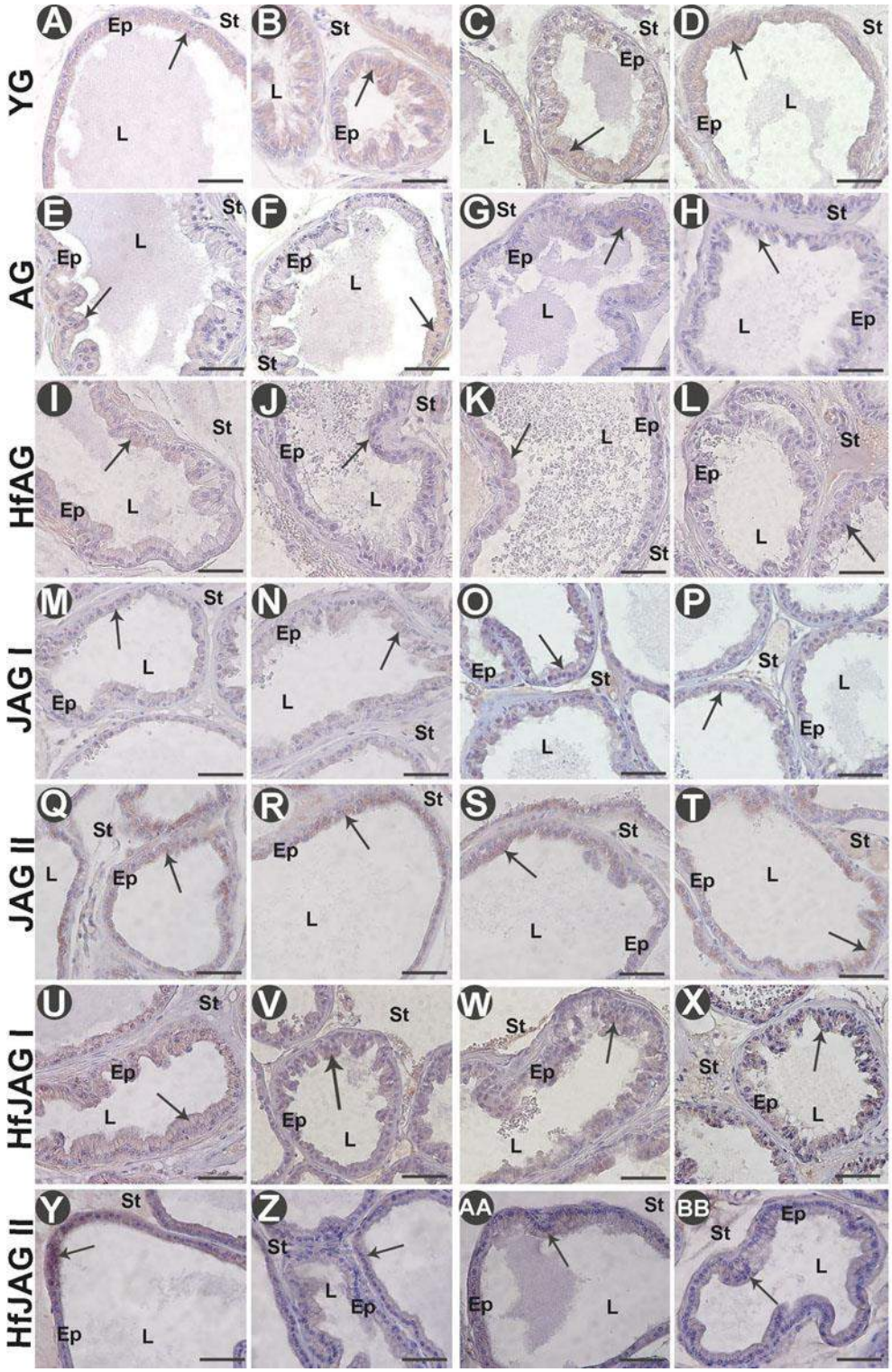

Fig 5 Representative photomicrographs of the ventral prostate Endostatin immunoreactivity observed in the other animals from each experimental groups. (A-D) YG group. (E-H) AG group. (I-L) HfAG group. (M-P) JAG I group. (Q-T) JAG II group. (U-X) HfJAG I group. (Y-BB) HfJAG II group. Scale Bar=50µm. (Ep): epithelium; (St): stroma; (L): lumen; (thin arrow): immunostaining.

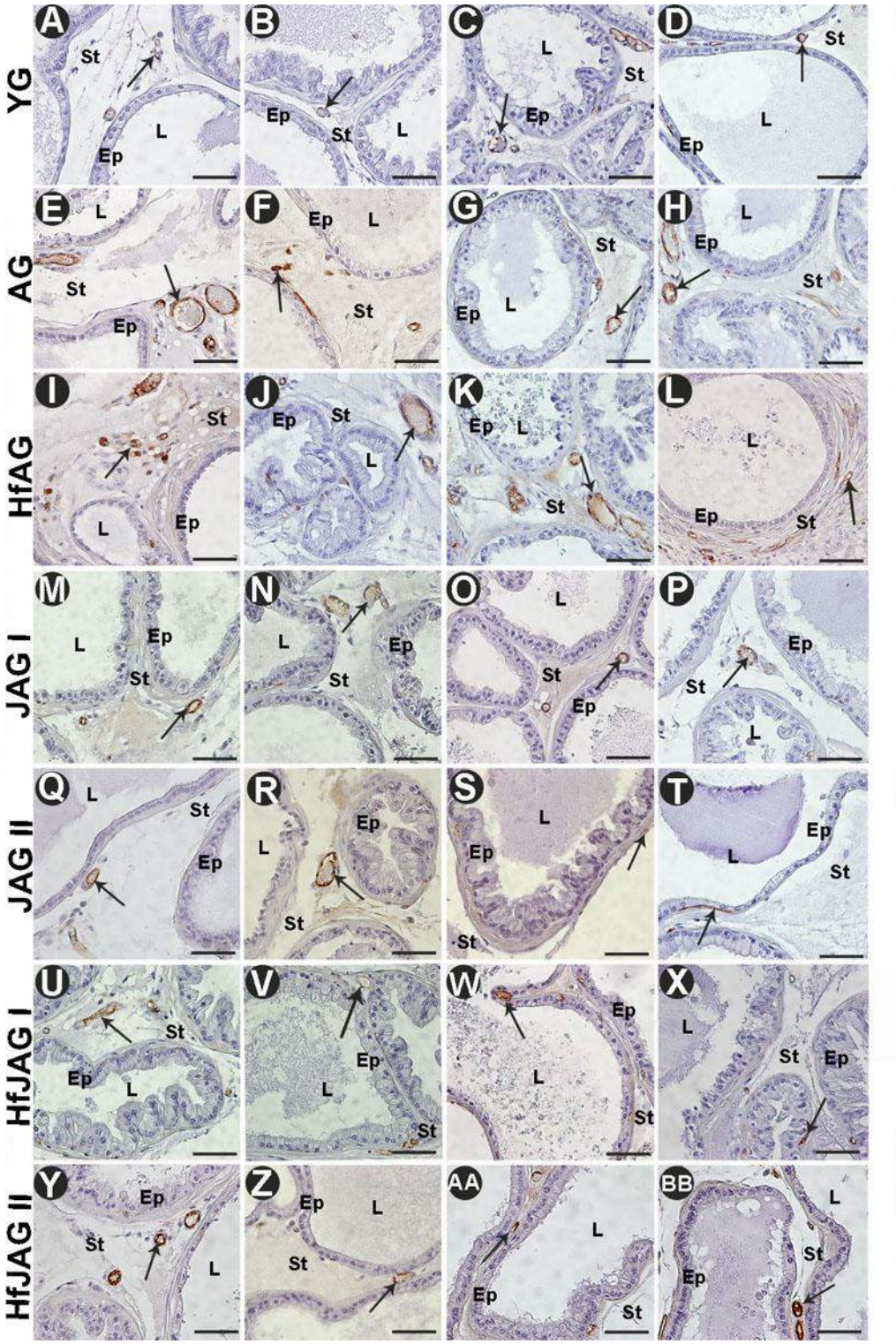

Fig 6 Representative photomicrographs of the ventral prostate CD31 immunoreactivity observed in the other animals from each experimental groups. (A-D) YG group. (E-H) AG group. (I-L) HfAG group. (M-P) JAG I group. (Q-T) JAG II group. (U-X) HfJAG I group. (Y-BB) HfJAG II group. Scale Bar=50μm. (Ep): epithelium; (St): stroma; (L): lumen; (thin arrow): immunostaining.

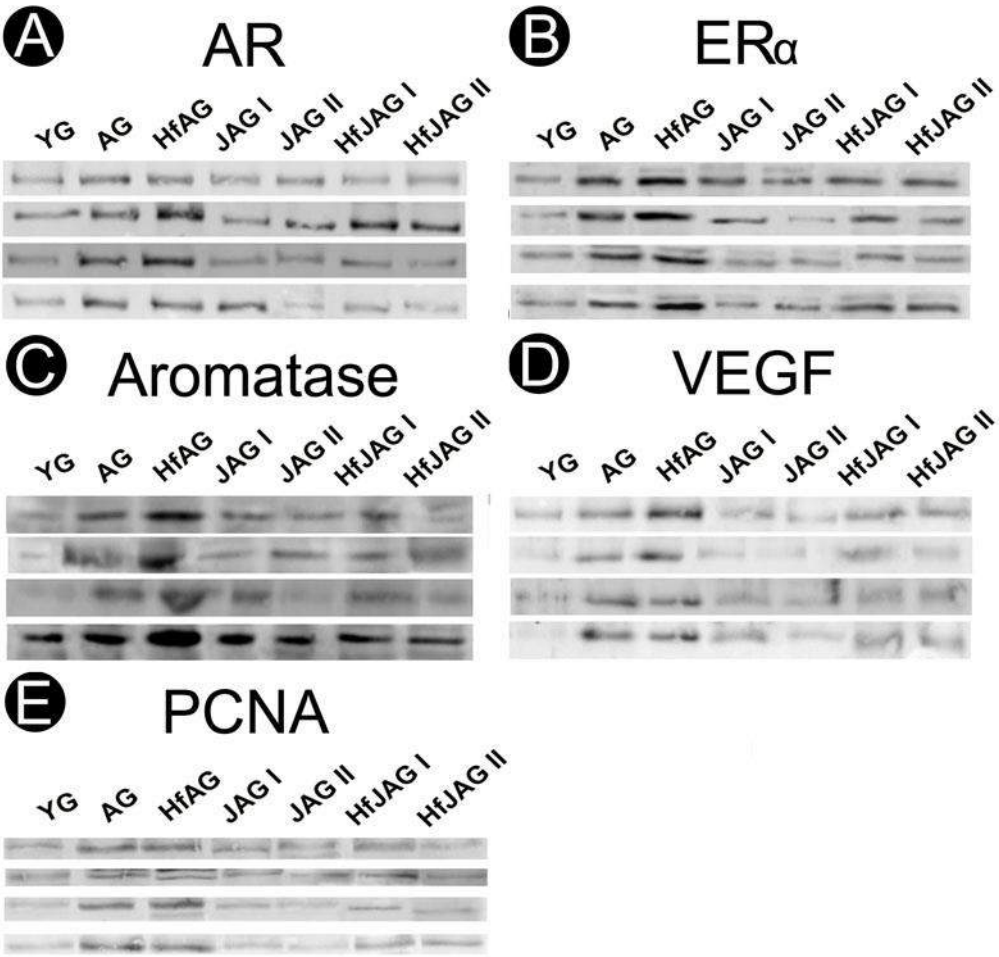

Fig 7 Illustration of the other bands analyzed for the different molecules quantified by western-blotting from the different experimental groups. (A) AR bands. (B) ERα bands. (C) Aromatase bands. (D) VEGF bands. (E) PCNA bands.