Supplementary Material

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

Lamas, C.A.\textsuperscript{a}, Kido, L.A.\textsuperscript{ab}, Montico, F.\textsuperscript{a}, Collares-Buzato, C.B.\textsuperscript{c}, Maróstica Junior, M.R.\textsuperscript{b}, Cagnon, V.H.A.\textsuperscript{a}

\textsuperscript{a}Department of Structural and Functional Biology, Institute of Biology, University of Campinas, Bertrand Russel Av, Campinas, São Paulo, Brazil, 13083-865.

\textsuperscript{b}Department of Food and Nutrition, School of Food Engineering, University of Campinas, 80 Monteiro Lobato St, Campinas, São Paulo, Brazil, 13083-852.

\textsuperscript{c}Department of Biochemistry and Tissue Biology, Biology Institute, University of Campinas, 255 Monteiro Lobato St, Campinas, São Paulo, Brazil, 13083-970.
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 intraepithelial 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.