

## Supplementary material

### Male Wistar rats chronically fed with a high-fat diet develop inflammatory and ionic transport Angiotensin-(3–4)-sensitive myocardial lesions but preserve echocardiographic parameters

Thuany Crisóstomo <sup>1</sup>, Rafael Luzes <sup>2</sup>, Matheus Leonardo Lima Gonçalves <sup>3</sup>,  
Marco Antônio Estrela Pardal <sup>4</sup>, Humberto Muzi-Filho <sup>4</sup>, Glória Costa-Sarmento <sup>4</sup>,  
Debora B. Mello <sup>5</sup> and Adalberto Vieyra <sup>2,4,5,\*</sup>

<sup>1</sup> Leopoldo de Meis Institute of Medical Biochemistry, Federal University of Rio de Janeiro, 21941-902 Rio de Janeiro, Brazil; thuany.crisostomo@bioqmed.ufrj.br

<sup>2</sup> Graduate Program in Translational Biomedicine/BIOTRANS, Grande Rio University/UNIGRANRIO, 25071-202 Duque de Caxias, Brazil; rafael.luzes@abeugraduacao.com.br (R.L.); avieyra@biof.ufrj.br (A.V.)

<sup>3</sup> Grande Rio University/UNIGRANRIO, 25071-202 Duque de Caxias, Brazil; matheusunigran-rio@outlook.com (M.L.L.G)

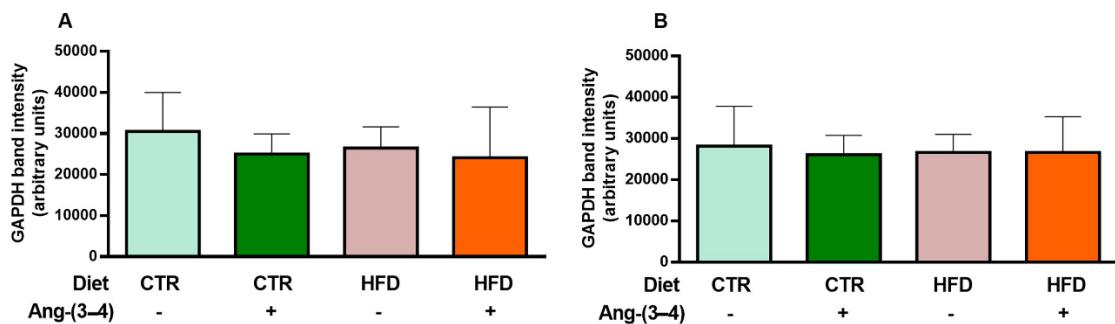
<sup>4</sup> Carlos Chagas Filho Institute of Biophysics, Federal University of Rio de Janeiro, 21941-902 Rio de Janeiro, Brazil; marco.pardal20@gmail.com (M.A.E.P.); humbertomuzi@biof.ufrj.br (H.M-F.); sarmen-to@biof.ufrj.br (G.C-S.); avieyra@biof.ufrj.br (A.V.)

<sup>5</sup> National Center for Structural Biology and Bioimaging/CENABIO, Federal University of Rio de Janeiro, 21941-902 Rio de Janeiro, Brazil; debmello@cenabio.ufrj.br; (D.B.M.); avieyra@biof.ufrj.br (A.V.)

\* Correspondence: avieyra@biof.ufrj.br

#### Content:

Figure S1. Quantification of GAPDH levels from immunoblotting assays.



**Figure S1.** Quantification of GAPDH levels, loading control for proinflammatory cytokines IL-6 and TNF- $\alpha$  (Figure 6) and Ang II receptors (Figure 9) immunoblottings. (A) GAPDH levels used as loading control for IL-6 and TNF- $\alpha$  ( $n = 6$ ). (B) GAPDH levels used as loading control for AT<sub>1</sub>R and AT<sub>2</sub>R ( $n = 7-8$ ). Bars show the mean  $\pm$  SD of the different preparations of cardiac microsomes. Differences were assessed using two-way ANOVA followed by Bonferroni's test. In A,  $P$  values are: 0.5575 (CTR vs CTR + Ang-(3–4)), 0.6876 (CTR vs HFD), > 0.9999 (other comparisons). In B, all  $P$  values are > 0.9999.