

AGING INCREASES SUCEPTIBILITY TO DEVELOP CARDIAC HYPERTROPHY FOLLOWING HIGH SUGAR CONSUMPTION

Ana P. Valencia, Jeremy A. Whitson, Shari Wang, Leon Nguyen, Laura J. den Hartigh, Peter S. Rabinovitch, and David Marcinek.

Supplementary material

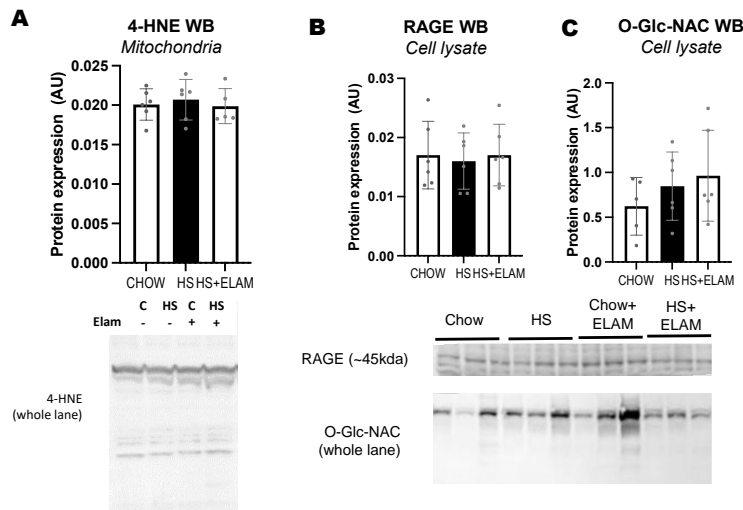
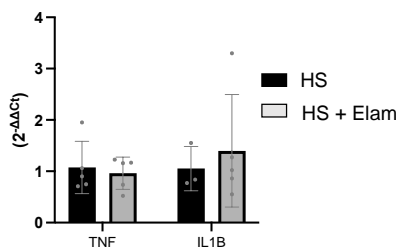


Figure S1: Western blot of 4-HNE, RAGE, and O-GlcNAC on mitochondria or cell lysate as indicated, from 24 month old mice consuming chow, HS, HS+Elam. Blots also show a parallel chow-fed ELAM group that did not undergo further analysis for the purpose of this study. Data expressed as mean +/- SD.

Cardiac inflammatory gene expression

Old hearts



Metabolic gene expression

Old hearts

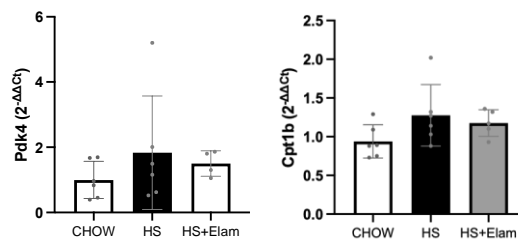


Figure S2: Expression of inflammatory and metabolic genes in aged heart tissue with and without ELAM. Inflammatory genes are shown relative to age-matched HS group, and metabolic genes relative to age-matched chow group. Data expressed as mean +/- SD.