SUPPLEMENTARY MATERIALS FOR:

DUAL OXIDASE-INDUCED SUSTAINED GENERATION OF HYDROGEN PEROXIDE CONTRIBUTES TO PHARMACOLOGICAL ASCORBATE-INDUCED CYTOTOXICITY

by

Adrienne R. Gibson[1], Brianne R. O'Leary[2], Juan Du[2], Ehab H. Sarsour[3], Amanda L. Kalen[1], Brett A. Wagner[1], Jeffrey M Stolwijk[1], Kelly Falls-Hubert[1], Matthew S. Alexander[2], Rory S. Carroll[2], Douglas R. Spitz[1], Garry R. Buettner[1], Prabhat G. Goswami[1], and Joseph J. Cullen[1,2]

[1]From the Free Radical and Radiation Biology Division, Department of Radiation Oncology

[2] Department of Surgery, The University of Iowa Carver College of Medicine, Iowa City, Iowa

[3]Kansas City University of Medicine and Biosciences[3], Kansas City, MO

*Corresponding Author

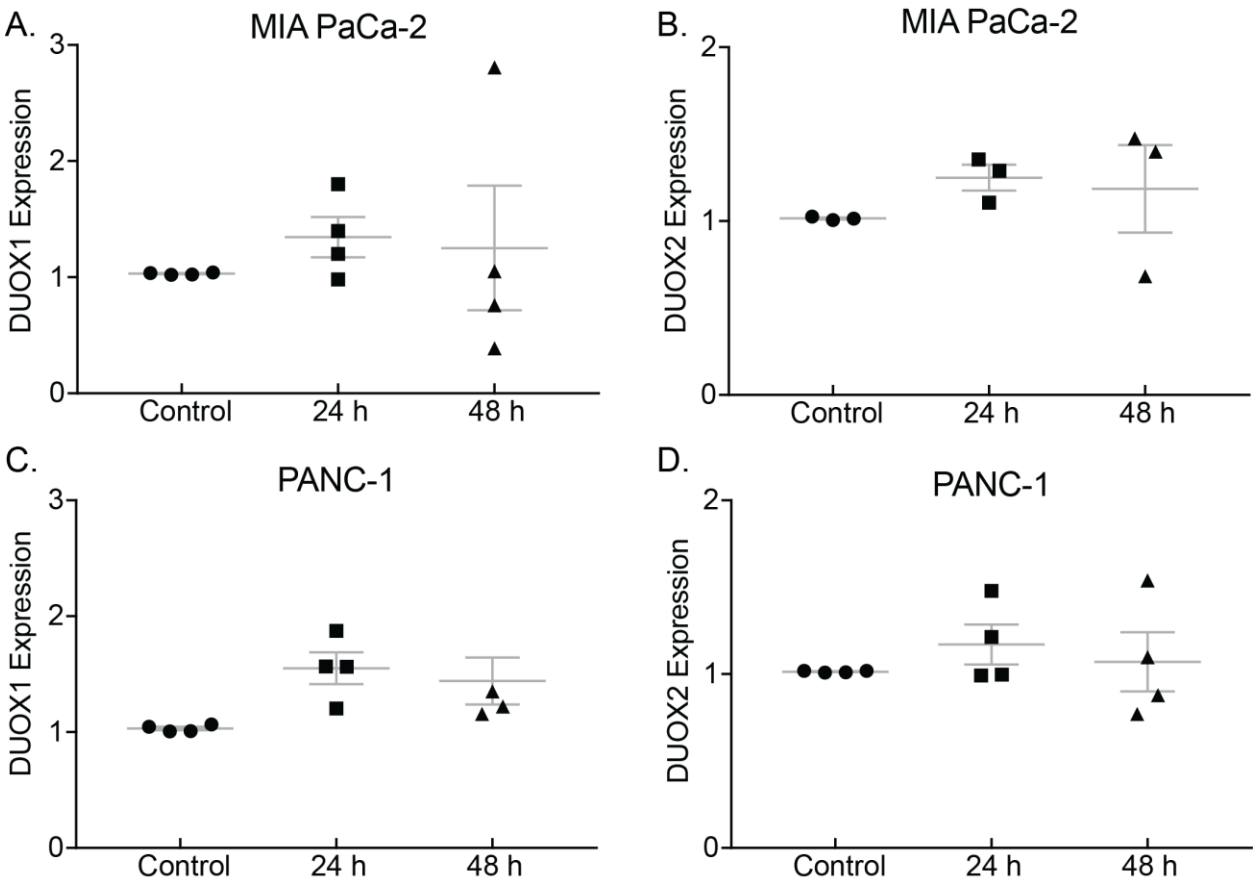
Joseph J. Cullen, M.D.

1528 JCP, Univ. of Iowa Hospitals and Clinics

Iowa City, IA 52242. Joseph-cullen@uiowa.edu

W: (319) 353-8297, Fax: (319) 356-8378.

Supplemental Figure 4



Supplemental Figure 4. Ascorbate-2-phosphate treatment does not induce sustained *DUOX* expression.

A-B. *DUOX1* and *DUOX2* expression is unchanged following ascorbate-2-phosphate (100 µM) in MIA PaCa-2. (Means ± SEM, n = 3-4, $p > 0.05$ *vs*. control, ANOVA with Tukey's multiple comparisons).

C-D. *DUOX1* and *DUOX2* expression is unchanged following ascorbate-2-phosphate (100 µM) in PANC-1. (Means ± SEM, n = 3-4, $p > 0.05$ *vs*. control, ANOVA with Tukey's multiple comparisons).