SUPPLEMENTAL MATERIAL

Loot et al., http://www.jem.org/cgi/content/full/jem.20090449/DC1

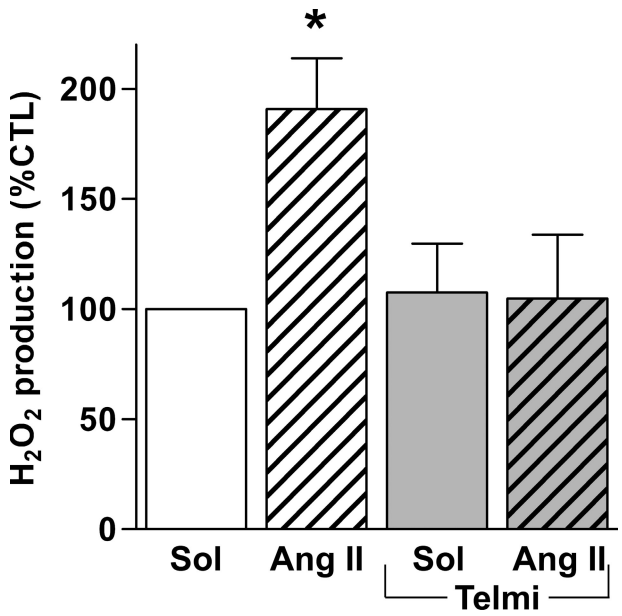

Figure S1. Ang II induces H_2O_2 production in cultured endothelial cells. Mouse endothelial cells were incubated in modified Tyrode's solution containing 50 µmol/liter Amplex Red (Invitrogen), 2 U/ml horseradish peroxidase, and vehicle (Sol) or 0.1 µmol/liter Ang II for 30 min in the absence or presence of 10 µmol/liter of the AT_1 receptor antagonist telmisartan (Telmi). After incubation for 30 min at 37°C, production of the fluorescent product was measured (540 nm excitation, 570 nm emission) as a measure of H_2O_2 production. The graph summarizes data from three independent experiments, each performed in triplicate. Data are expressed as means ± SEM. *, $P < 0.05$ versus CTL.

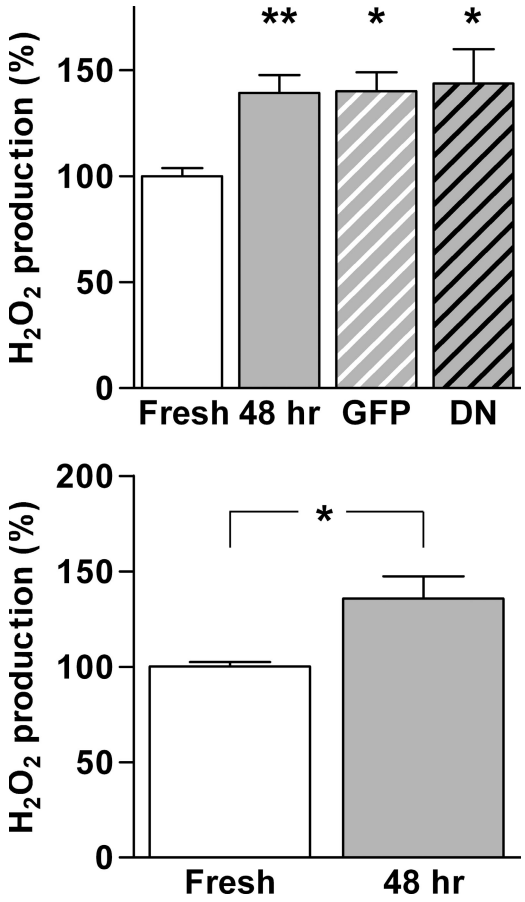

Figure S2. H_2O_2 production in cultured vessels. H_2O_2 production was measured in 4-mm segments of carotid arteries from (top) wild-type and (bottom) $eNOS^{-/-}$ mice that were either freshly isolated or maintained in tissue culture for 48 h. Some of the cultured wild-type arteries were previously infected with adenoviruses expressing GFP or a DN PYK2 mutant. H_2O_2 production was expressed as the percentage of the production in freshly isolated vessels. The graphs summarize the results of six to nine segments. Data are expressed as means ± SEM. *, $P < 0.05$; and **, $P < 0.01$ versus freshly isolated arteries.