



SUPPLEMENTARY FIG. S7. Proposed mechanism of MSC resistance to oxidative stress involves rapid upregulation of Nrf2-regulated genes. MSC *Hmox1*^{-/-} rapidly upregulate genes that are quintessential for the antioxidant response. Nrf2 induces the expression of enzymes involved in glutathione synthesis and metabolism as well as peroxiredoxin 6. GSH, reduced glutathione; GSSG, oxidized glutathione.