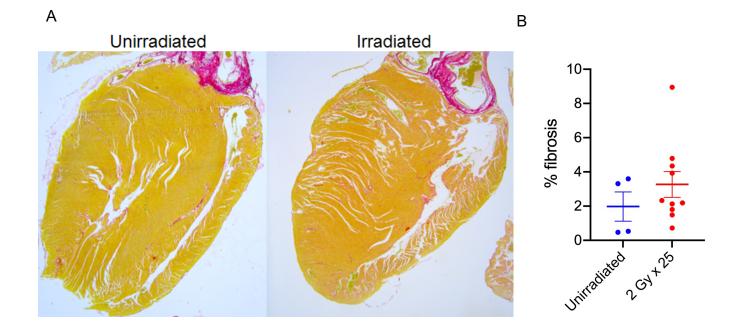
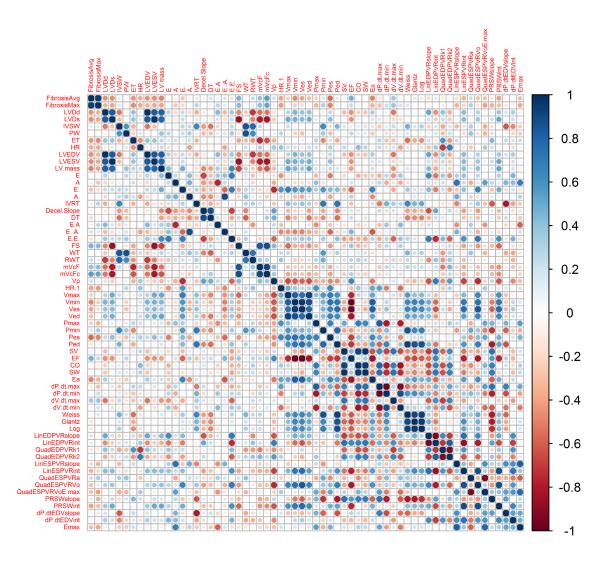


Supplemental Figure 1. Dose-volume metrics of the heart and lung for 2 Gy x 25 fractions of partial heart irradiation. (A) Representative dose-volume histogram of heart (teal) and lung (magenta). (B) Dot plot showing representative individual heart and lung doses (n=4). Each dot represents the mean heart or lung dose for one mouse. Data are presented as mean \pm SEM. Across four mice, the mean heart dose \pm SEM was 38.5 ± 1.0 Gy, and the mean lung dose was 10.4 ± 1.1 Gy.



Supplemental Figure 2. Assessment of cardiac fibrosis in ApoE^{-/-} mice on a regular diet 12 months after partial heart irradiation. (**A**) Representative images of unirradiated and irradiated hearts acquired at 1.25x magnification and stained with Sirius red to visualize fibrosis. (**B**) Dot plot showing percent fibrosis in unirradiated (n=4) and irradiated (n=10) mice 12 months after treatment. Each dot represents the averaged percentage of fibrosis per mouse. Data are presented as mean \pm SEM.



Supplemental Figure 3. Matrix of Spearman correlation coefficients between average and maximum percent fibrosis, all echocardiographic measurements, and all PV loop measurements in ApoE^{-/-} mice on a regular diet 12 months after irradiation. The size and color of the dot represents the value of the correlation coefficient ranging from -1 (red) to 1 (blue).