



Males

Wild-type	0 Gy	0	0	0	0	0	0	0	0
Wild-type	9.5 Gy	0	0	1	1	1	1	2	2
APChi	0 Gy	0	0	0	0	0	0	1	1
APChi	9.5 Gy	1	1	2	2	3	4	4	

Females

Wild-type	0 Gy	0	0	0	0	1	1	1	3
Wild-type	9.5 Gy	1	2	2	2	3	3	3	
APChi	0 Gy	0	0	0	0	1	1	1	1
APChi	9.5 Gy	1	1	1	1	2	2	2	3

S10 Fig. Expression of α -SMC actin in the heart at 6 months after irradiation. Immunohistochemistry was used to assess α -SMC actin expression in the whole heart. Scale bar = 100 μ m. In addition to vascular smooth muscle cells (red arrows), spindle-shaped α -SMC actin positive cells (green arrows) were identified throughout the myocardium. These cells are likely myofibroblasts. Each stained slide was scored on a scale from 0 (no α -SMC actin positive myofibroblasts) to 4 (more than 100 SMC actin positive myofibroblasts); $n=7-8$ mice per group. Individual scores are listed in the table.