

Table S8. Summary of myocardial labeling observed in *Gli1-CreER^{T2}/+*; *R26R/+* GIFM embryos

Embryo	Right ventricle	Left ventricle	Right atrium	Left atrium	Interventricular septum
L1-2	a, a		b	b	
L1-4	a, a, a	b	b	b	a, a
L1-6	a, c	a, a, a	d	b	a, a, a
L1-7	b	a, a	d	d	a, a, a, a
L2-2	b		e	e	e
L2-14	e	e			
L3-1	a, a	e	a, a	e	
L3-4	a, b, b	a, a, a	a, a	a, a	

Each row describes an experimental mouse embryo that yielded labeled cardiomyocytes. For litter 1 (L1), tamoxifen (TM) was administered at 5 pm on E6.5 and hearts were examined at E18.5. For L2, TM was administered at 5 pm on E6.5 and hearts were examined at E15.5. For L3, TM was administered at 5 pm on E7.5 and hearts were examined at E12.5. Each lower-case letter indicates the size and location of an individual patch of labeled cardiomyocytes, as follows:

a, small patch of cells; b, modest patch of cells; c, large patch of cells; d, labeling throughout most of the myocardium; e, labeling in just a few cells.