

Table S1. Coronary vessel clones generated by tamoxifen-induction of VE-cadherin-CreER³

Clone type and name		Clone induction and analysis					Distribution of marked cells in clone						
Type ^b	Clone ID	Stage of clone			Coronary (art) ^d	SV	Atria endo				Peri mem	Aorta endo	Liver
		induction/analysis	Days	Label			Dorsal	Ventral	cushion	Ventricle			
I	1	e9.5/13.5	4	Multi-color	156	50							
I	2	e9.5/13.5	4	Multi-color	158	64							
I	3	e9.5/13.5	4	Multi-color	91	23							
I	4	e9.5/13.5	4	lacZ	6	18	19						
I	5	e9.5/13.5	4	Multi-color	167	73							56
I	6	e8.5/13.5	5	Multi-color	204	100							
I	7	e8.5/13.5	5	Multi-color	315	128							
I	8	e8.5/13.5	5	Multi-color	562	59							
I	9	e8.5/13.5	5	Multi-color	530	43			75				
I	10	e8.5/13.5	5	Multi-color	650	110			34				
I	11	e8.5/13.5	5	Multi-color	376 (20)	88			10			8	
I	12	e8.5/13.5	5	Multi-color	244 (1)	44	15		81				
I	13	e8.5/13.5	5	lacZ	25	88			9				
I	14	e8.5/13.5	5	Multi-color	441	158	129			5			
I	15	e8.5/13.5	5	Multi-color	65	124	28						
I	16	e8.5/13.5	5	Multi-color	473 (4)	118	19					6	
I	17	e8.5/14.5	6	lacZ	696	118							
I	18	e8.5/14.6	6	lacZ	707 (10)	193							
I	19	e8.5/14.5	6	lacZ	222	65							
I	20	e8.5/14.5	6	lacZ	6	16							
I	21	e8.5/14.5	6	Multi-color	79	3	15						
I	22	e8.5/14.5	6	Multi-color	556 (3)	55	43						
I	23	e8.5/14.5	6	Multi-color	160	149	163						
I	24	e7.5/14.5	7	lacZ	286 ^c	37 ^c	185						
I	25	e7.5/14.5	7	Multi-color	570 (22) ^c	53	188		203				
II	26	e8.5/13.5	5	Multi-color	12 ^c		341						
III	27	e8.5/13.5	5	Multi-color	20				167				
III	28	e8.5/13.5	5	Multi-color	14				448	16			
III	29	e8.5/13.5	5	Multi-color	52				122	8			
III	30	e8.5/14.5	6	lacZ	51				18				
III	31	e8.5/14.5	6	lacZ	28				243				
III	32	e8.5/14.5	6	Multi-color	56 (yes)				137				
III	33	e8.5/14.5	6	Multi-color	84		49		722				
III	34	e7.5/13.5	6	lacZ	56				205	21			
IV	35	e7.5/13.5	6	lacZ					322	13			
V		e9.5/13.5	4	Multi-color					56				
V		e9.5/13.5	4	Multi-color					89				
V		e9.5/13.5	4	Multi-color					34				
V	36	e9.5/13.5	4	lacZ					78				
V		e8.5/13.5	5	Multi-color					229				
V		e8.5/13.5	5	Multi-color					209				
V		e8.5/13.5	5	Multi-color					288				
V		e8.5/13.5	5	Multi-color					81				
V		e8.5/13.5	5	Multi-color					236				
V		e8.5/13.5	5	Multi-color					330				
V		e8.5/13.5	5	Multi-color					303				
V		e8.5/13.5	5	Multi-color					56				
V		e8.5/13.5	5	Multi-color					269				
V	37	e8.5/13.5	5	lacZ					26				
V	38	e8.5/13.5	5	lacZ					52				
V		e8.5/13.5	5	Multi-color					75				
V		e8.5/13.5	5	Multi-color					86				
V		e8.5/13.5	5	Multi-color					92				
V		e8.5/13.5	5	Multi-color					53				
V		e8.5/13.5	5	Multi-color					168				
V		e8.5/13.5	5	Multi-color					133				
V		e8.5/13.5	5	Multi-color					150				
V		e8.5/13.5	5	Multi-color					104				
V		e8.5/13.5	5	Multi-color					338				
V		e8.5/13.5	5	Multi-color					86				
V		e8.5/13.5	5	Multi-color					75				
V		e7.5/13.5	6	lacZ					183				
V		e7.5/13.5	6	lacZ					125				
V		e7.5/13.5	6	lacZ					221				
V		e8.5/14.5	6	lacZ					182				
V	39	e7.5/13.5	6	lacZ					92				
V		e8.5/14.5	6	lacZ					115				
V		e8.5/14.5	6	Multi-color					540				
V		e8.5/14.5	6	Multi-color					358				
V		e7.5/14.5	7	lacZ					284				
V		e7.5/14.5	7	Multi-color					569				
V		e7.5/14.5	7	Multi-color					401				
V		e7.5/14.5	7	Multi-color					705				
VI		e9.5/13.5	4	lacZ					40	10			
VII		e8.5/13.5	5	Multi-color		87							
VIII	40	e9.5/13.5	4	lacZ			19						
VIII	41	e8.5/13.5	5	Multi-color			88						
VIII		e8.5/13.5	5	Multi-color			88						
VIII		e8.5/13.5	5	Multi-color			164						
VIII	42	e7.5/13.5	6	lacZ			26						
VIII		e8.5/14.5	6	lacZ			67						

^a Abbreviations: art, coronary artery; SV, sinus venosus; endo, endocardium; ven, ventricle; BI, blood island; Peri mem, percardial membrane; hrt, heart

^b Clone types: I, Clones with coronary vessel and sinus venosus cells and other cell types where indicated ; II: Coronary vessel and atria endocardium;

III, Coronary vessel and ventricle endocardium +/- bi; IV, Ventricle endocardium and bi; V, Ventricle endocardium; VI, Ventricle endocardium and

pericardial membrane vessels; VII, Sinus venosus alone; VIII, Atria endocardium alone (dozens more were found but not shown)

^c Counts may be an underestimate due to missing tissue sections

^d The values in parentheses are number of total cells in clone that were in histologically identified coronary arteries.