

Figure 1

A

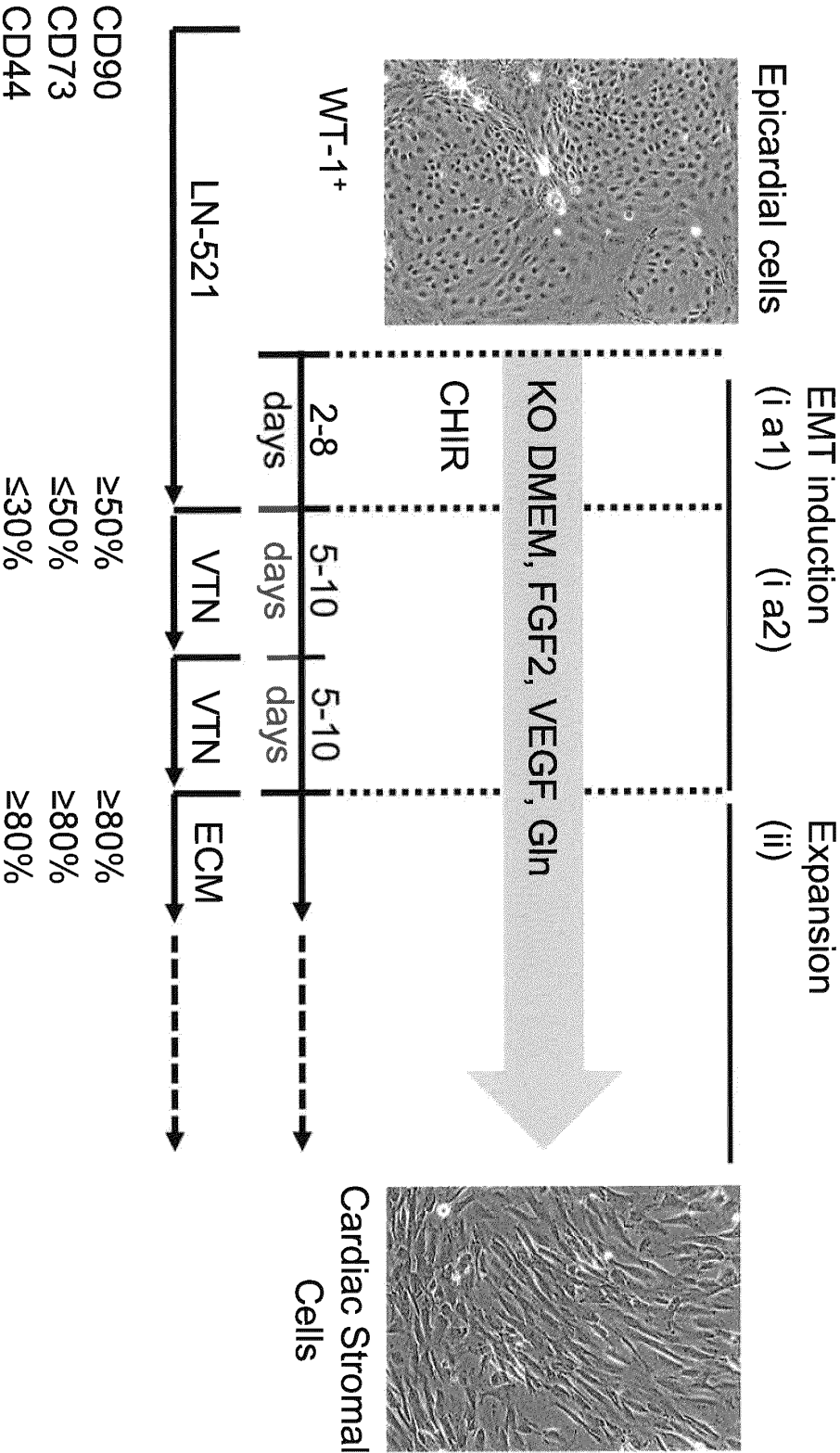


Figure 1

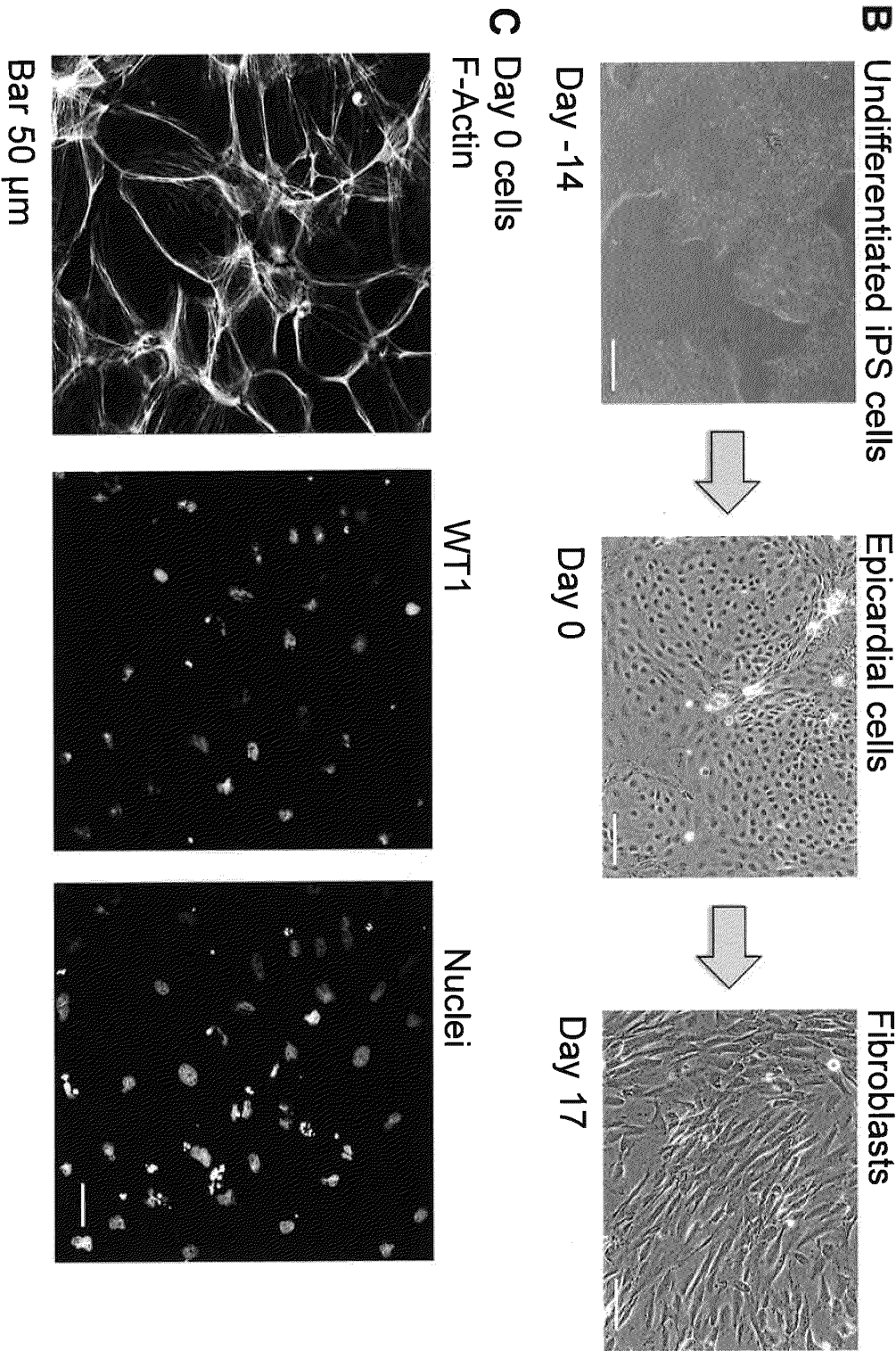


Figure 2

A

Protocol Step	(i^*)			$(i^{**})/(i a1)$			$(i a2)$			$(ii - \text{stroma cell expansion})$		
	0	1	2	3	4	5	6	7	8	9		
Passage	0	1	2	3	4	5	6	7	8	9		
Flasks	1x T75	6x T225	12x T225	12x T225	24x T225	72x T225	148x T225	296x T225	592x T225	1182x T225		
Growth area (cm ²)	75	1350	2700	2700	5400	16200	48600	145800	437400	1312200		

B

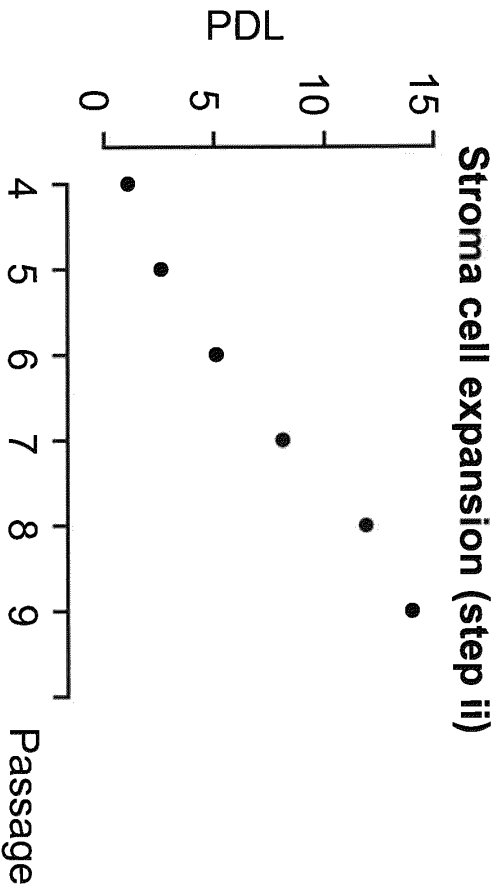


Figure 3
A

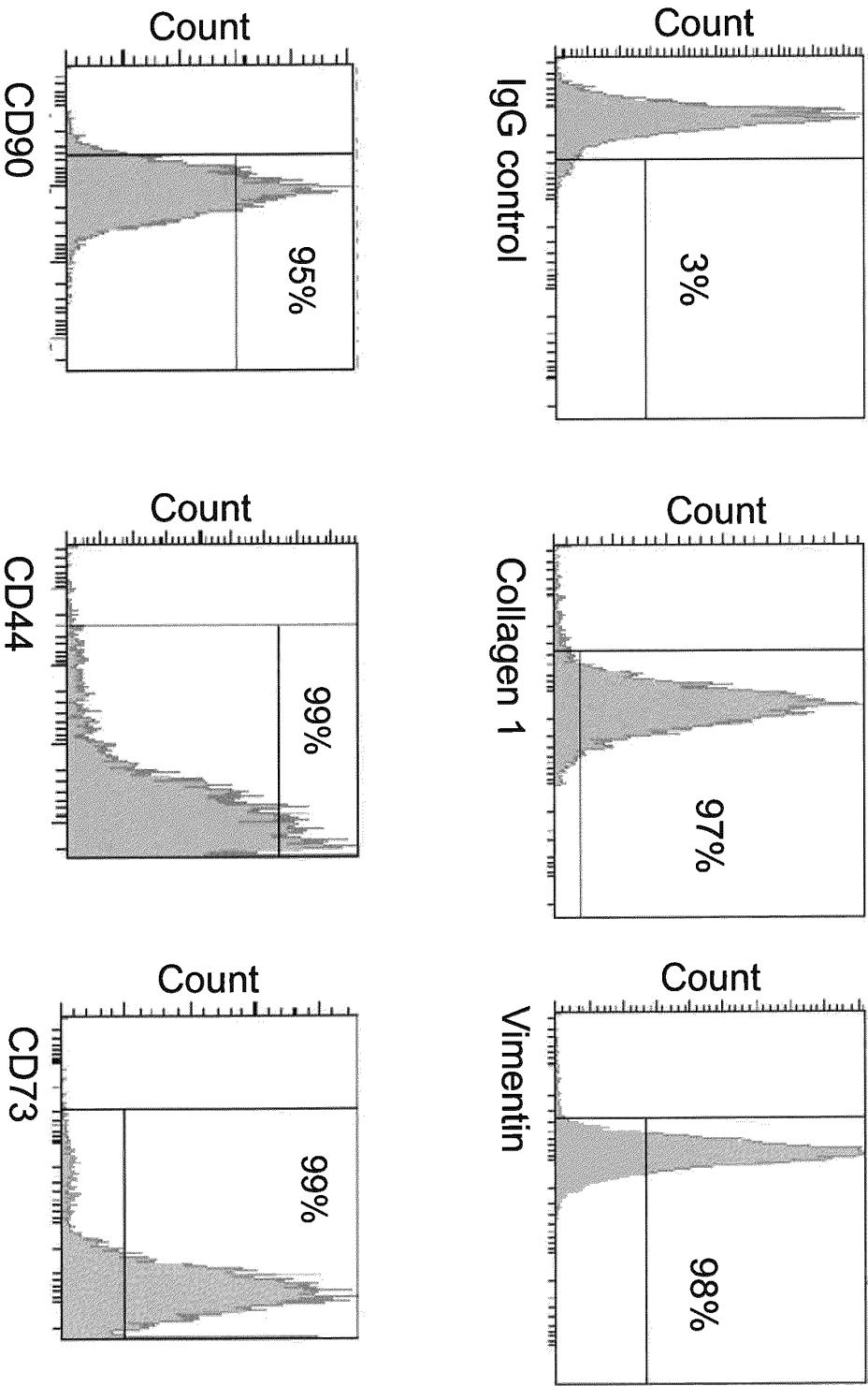
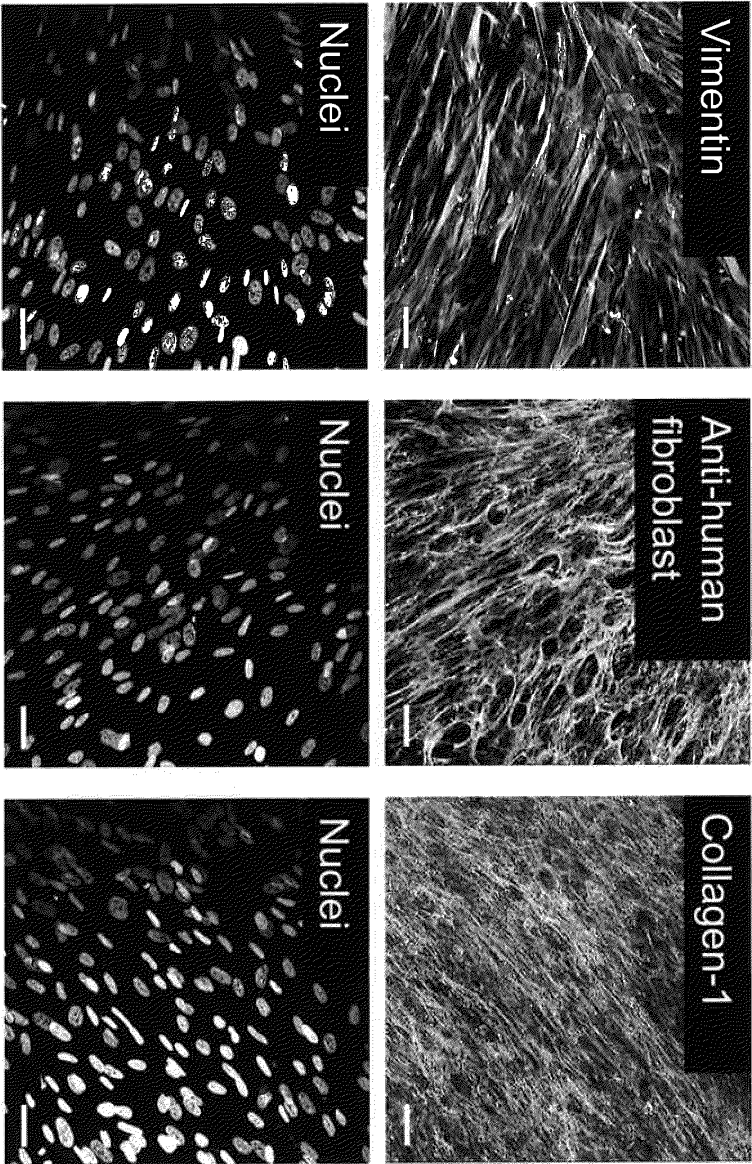


Figure 3

B



Passage 1

(culture day -7)

Step 1a1

Passage 2

(culture day 4)

Step 2

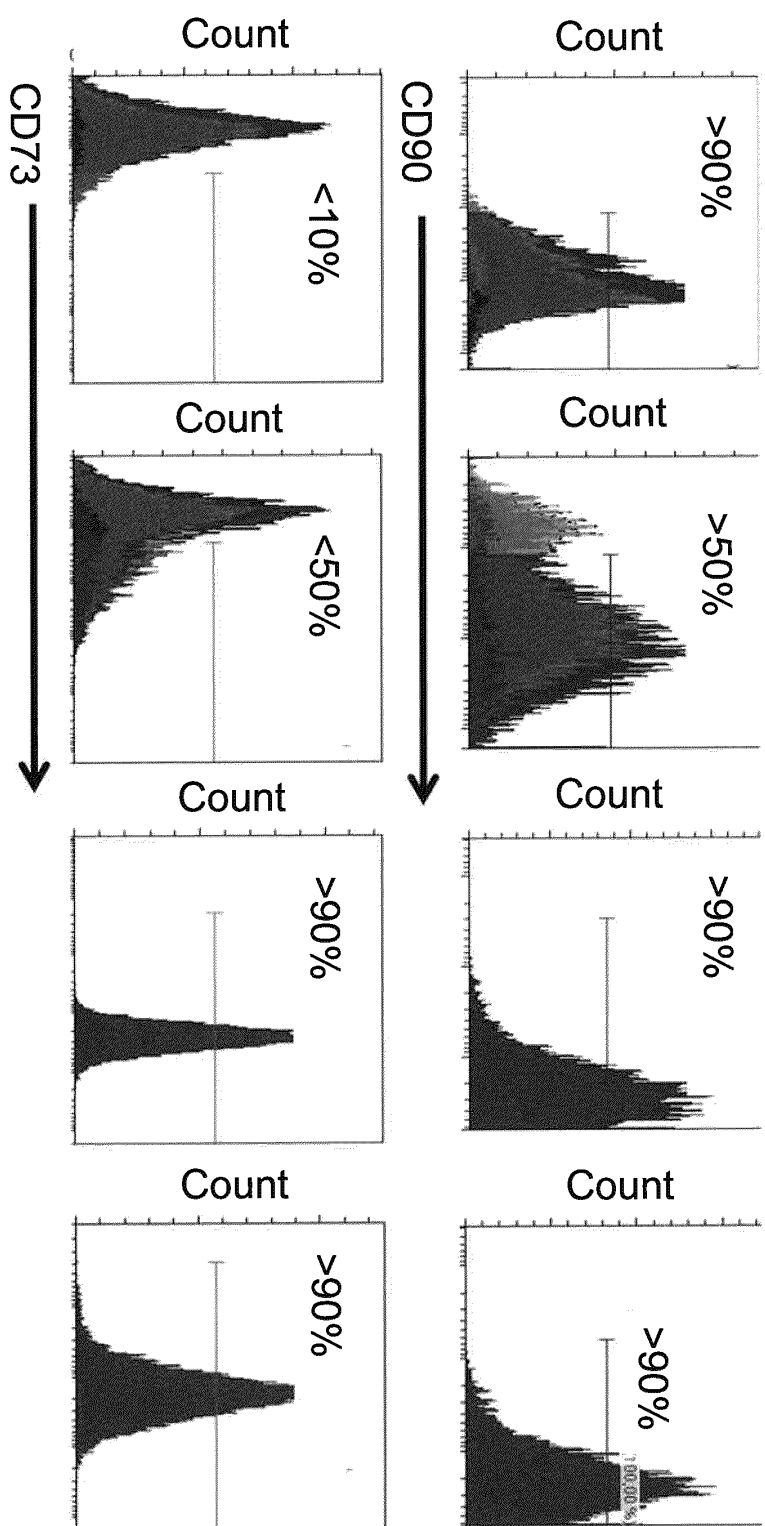
Passage 3

(culture day 11)

Step 1a2

Passage 4

(culture day 17)



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Figure 3C

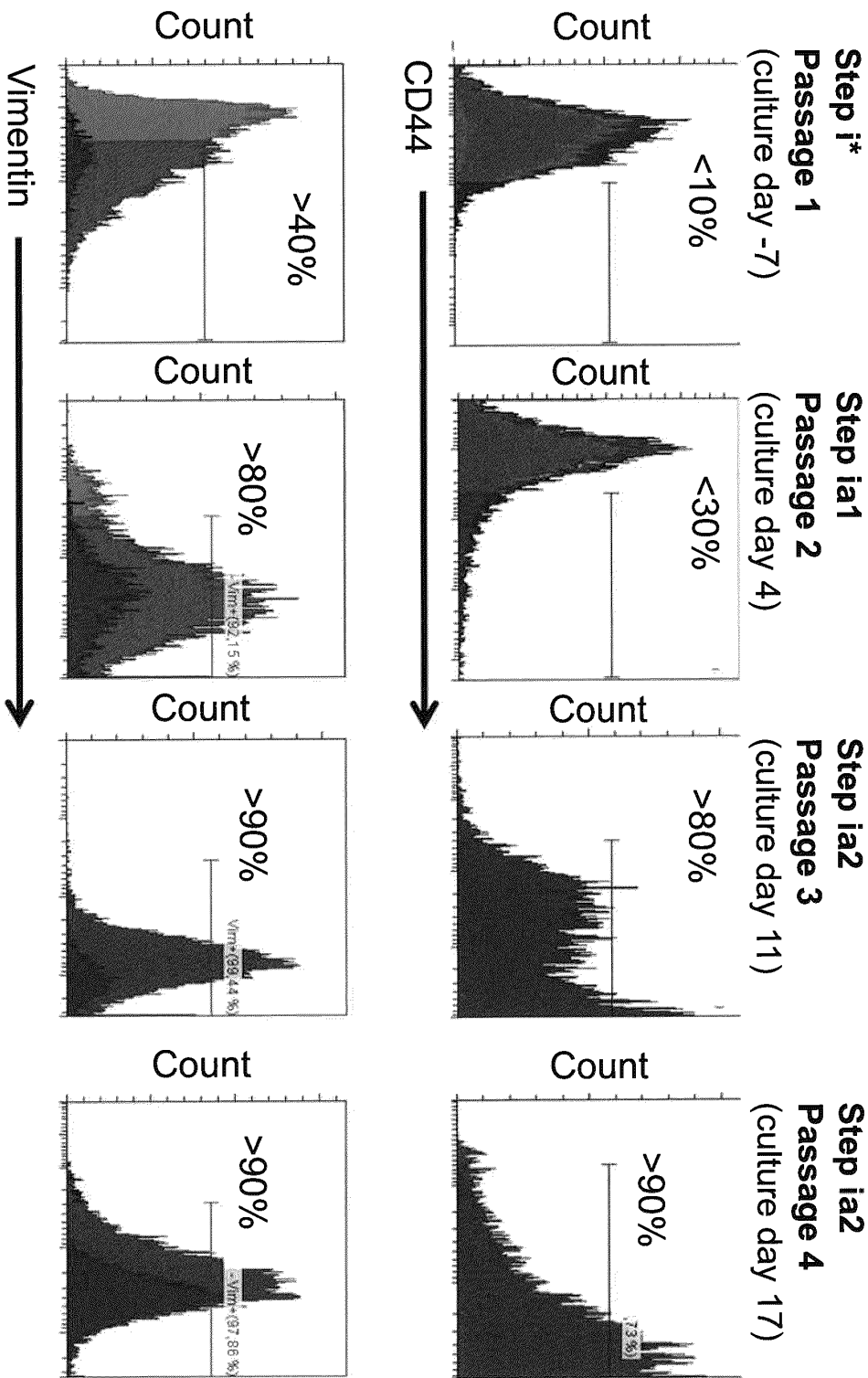


Figure 3D

Surface markers retained at passage 9 (step ii)

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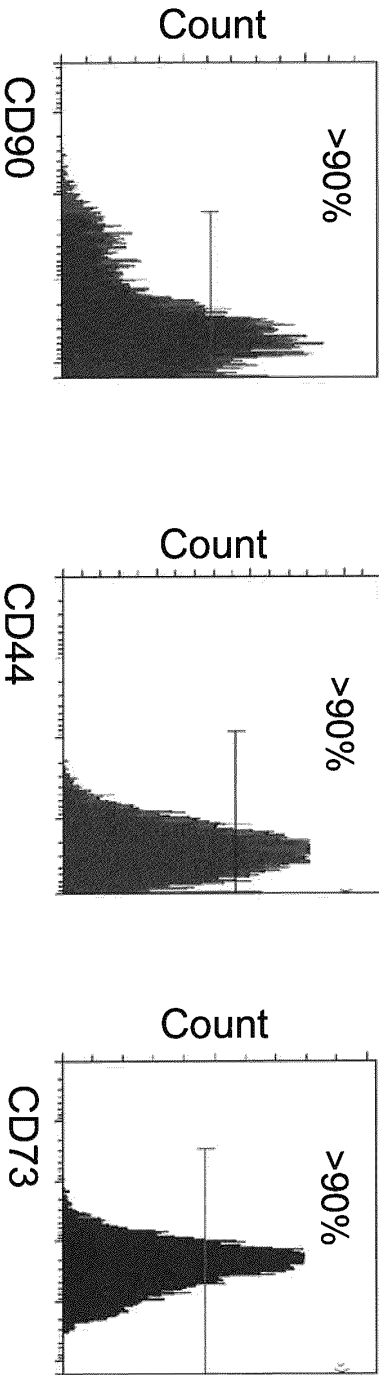


Figure 4A

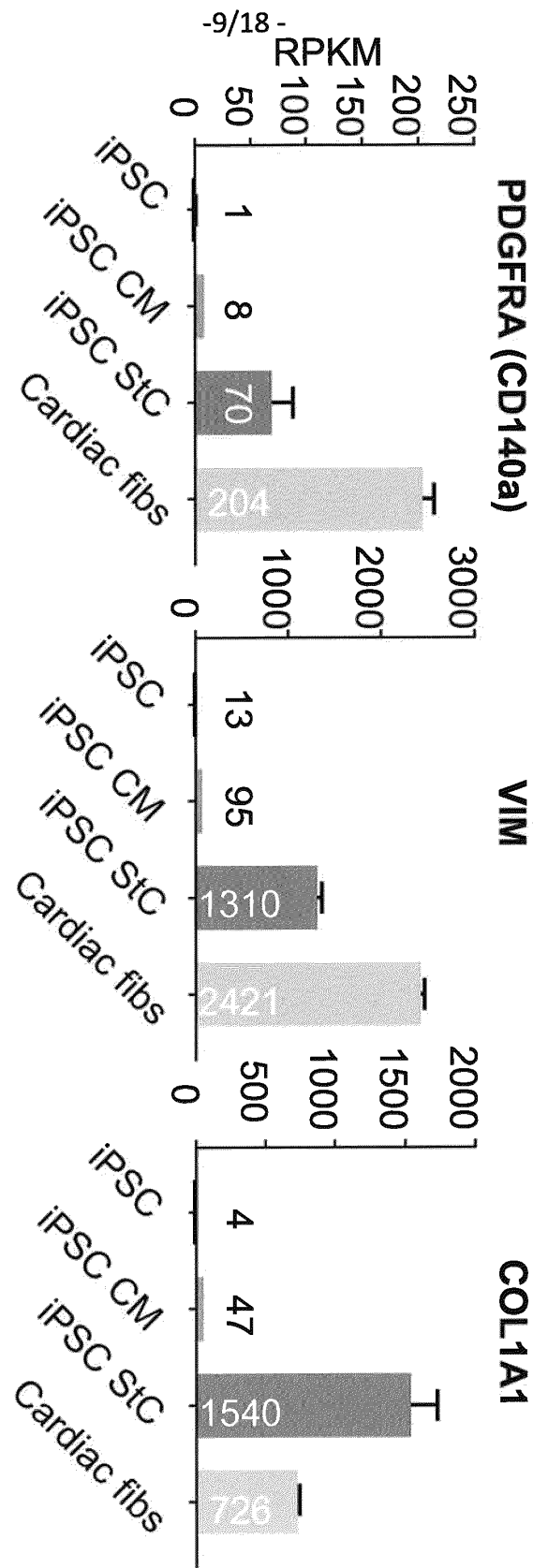


Figure 4B

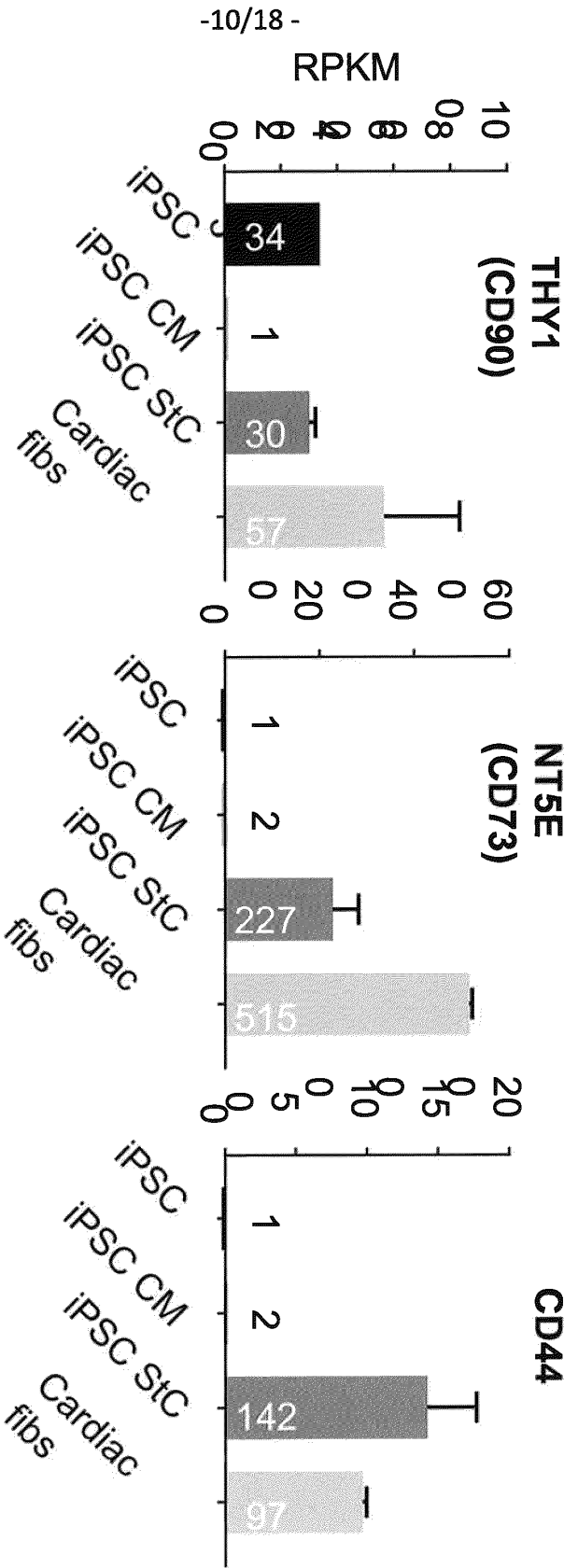
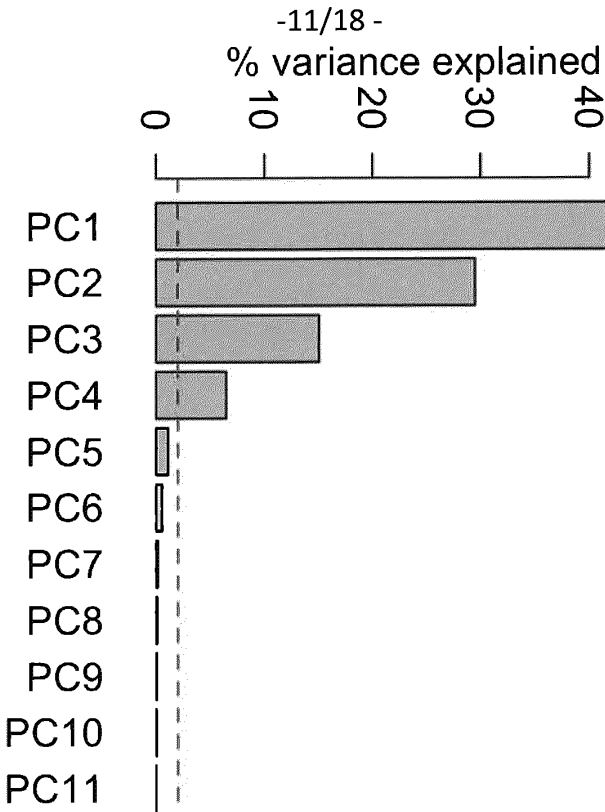
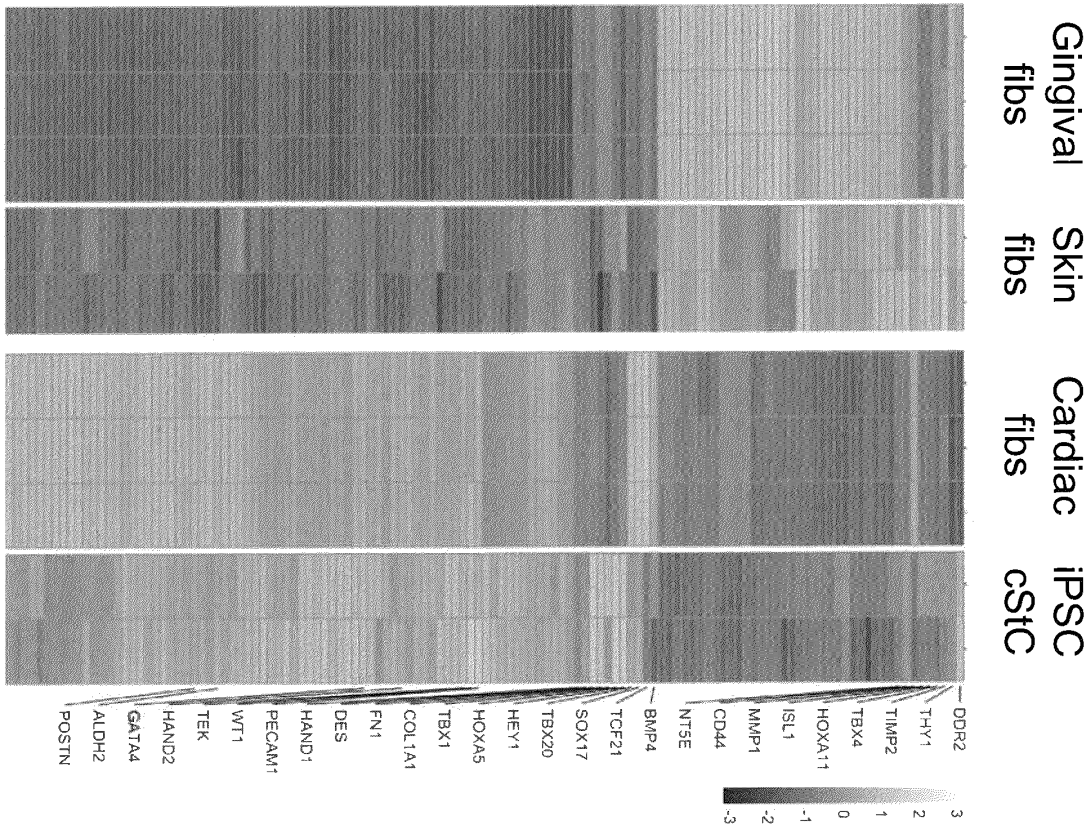


Figure 5
A



B



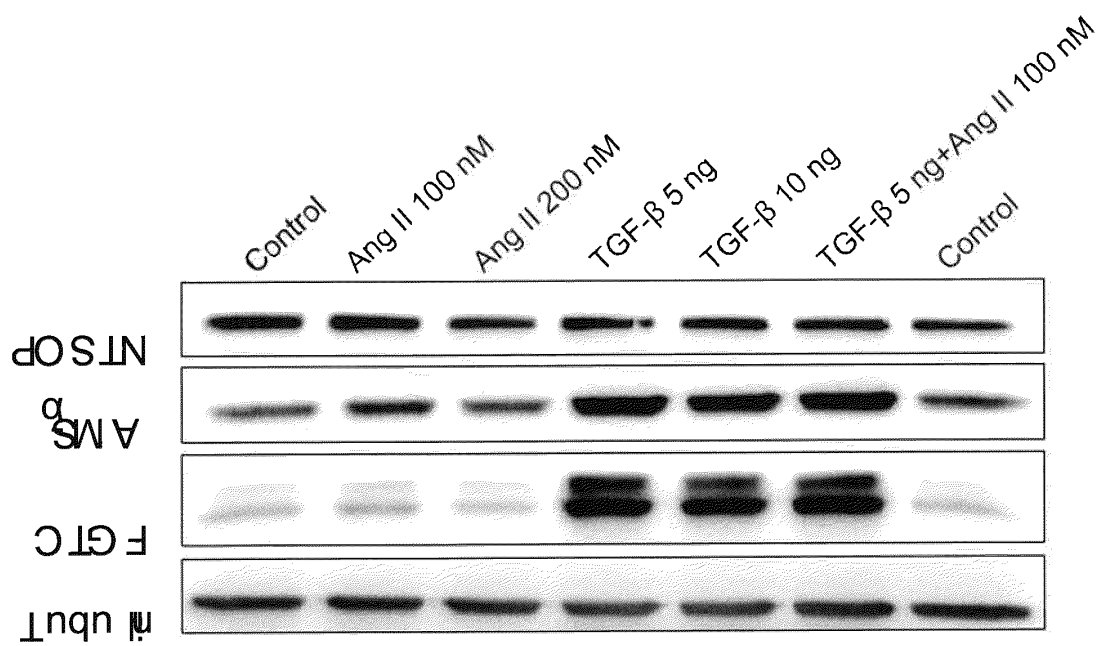


Figure 6

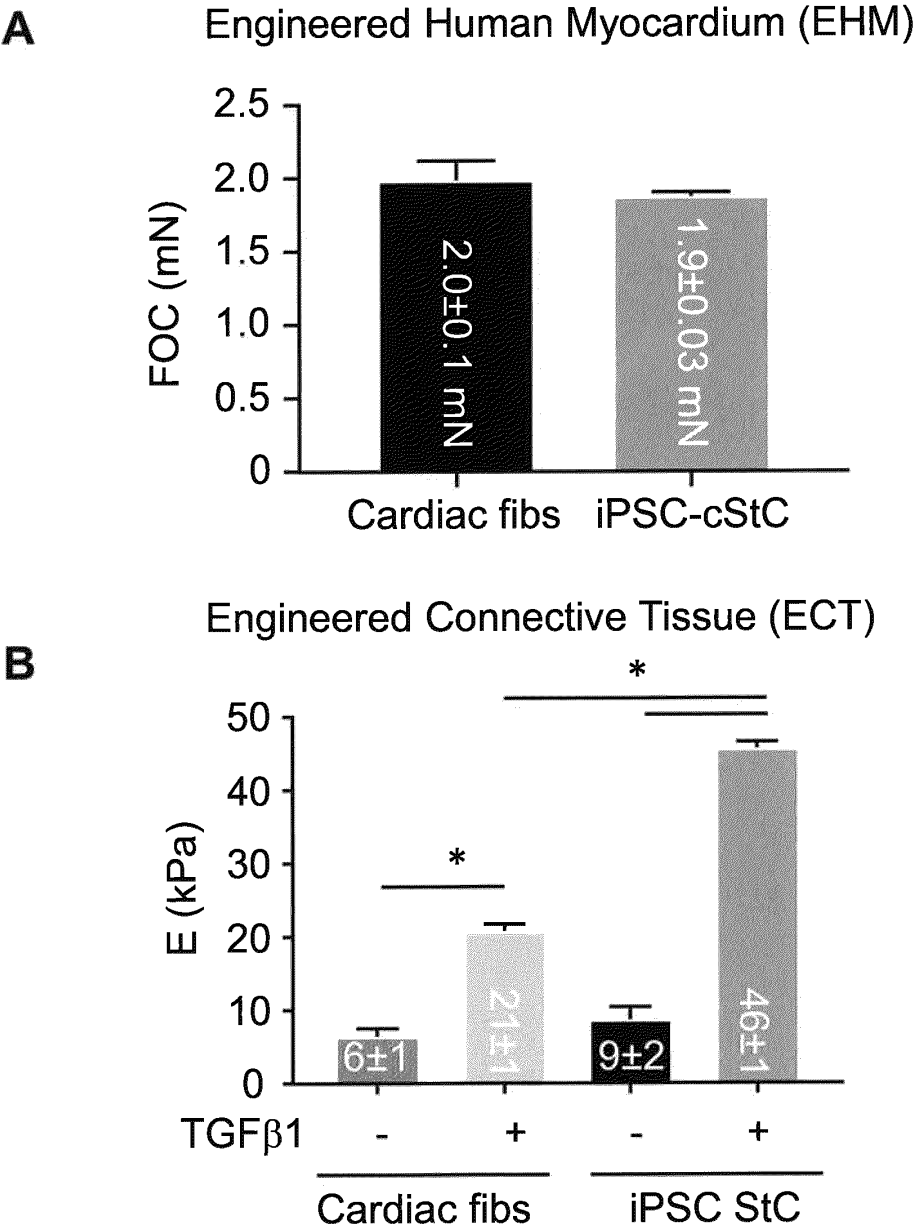
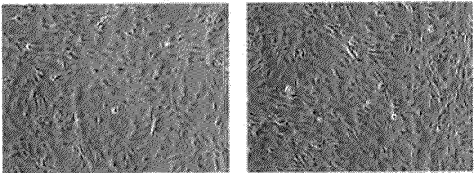


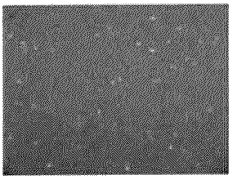
Figure 7

Passage	P0	P1	P2	P3	P4	P5	P6
Surface coating	LN-521	LN-521	VTN	VTN	VTN	1) Vitronectin	1) Vitronectin
						2) Uncoated	2) Uncoated
						3) LN-521	3) LN-521
						4) Gelatine	4) Gelatine
						5) Fibronectin	5) Fibronectin
						6) Matrigel	6) Matrigel

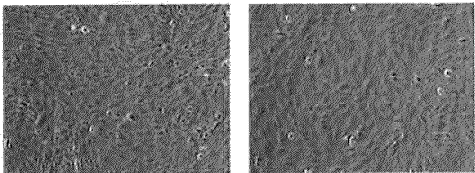
1) Vitronectin



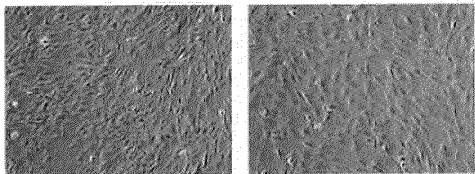
2) Uncoated



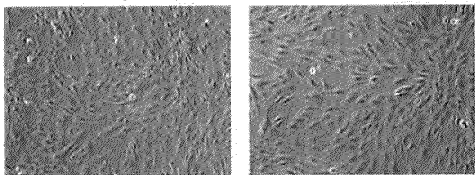
3) Laminin-521



4) Gelatine



5) Fibronectin



6) Matrigel

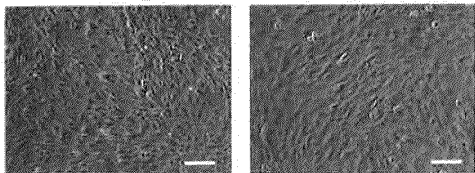
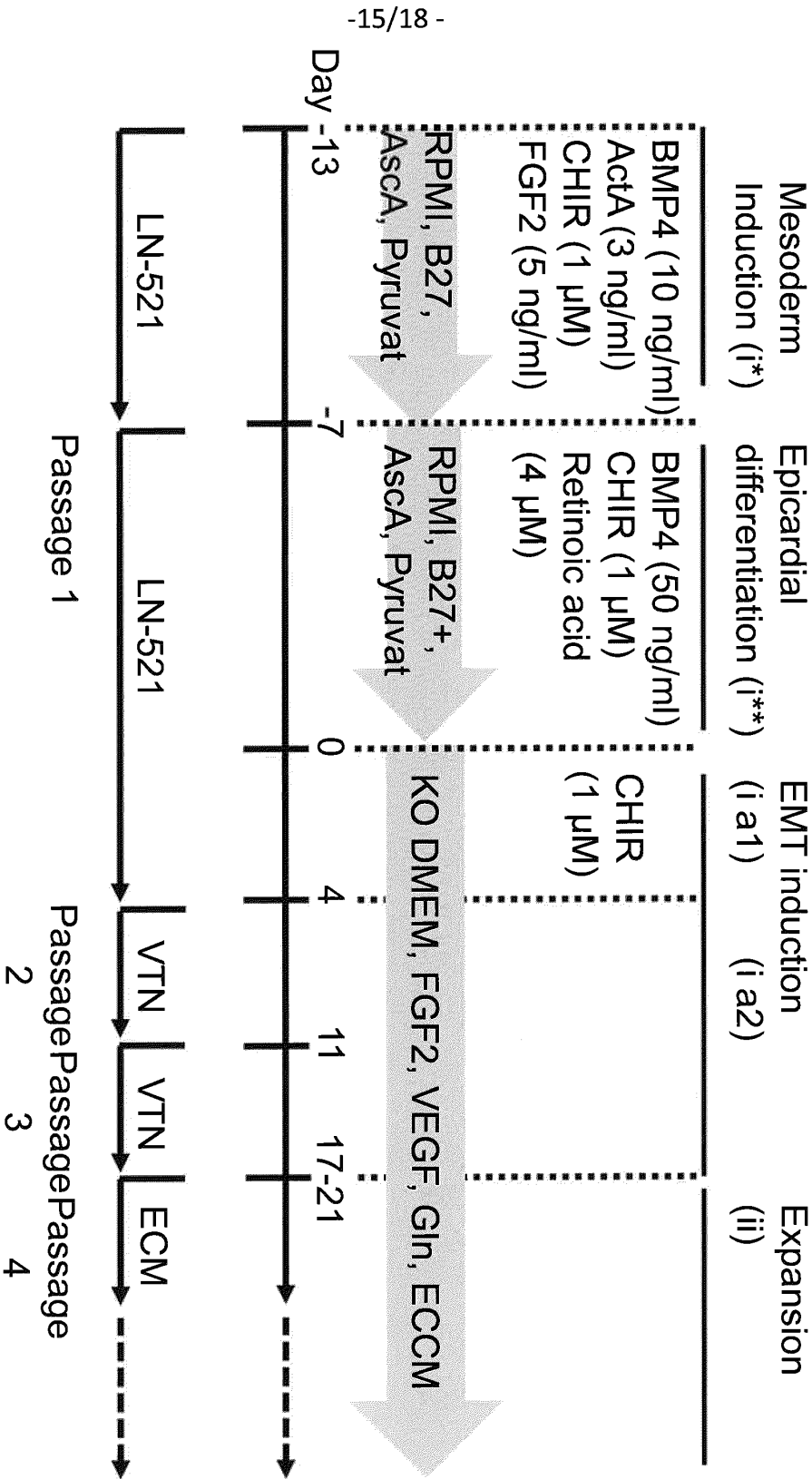


Figure 8



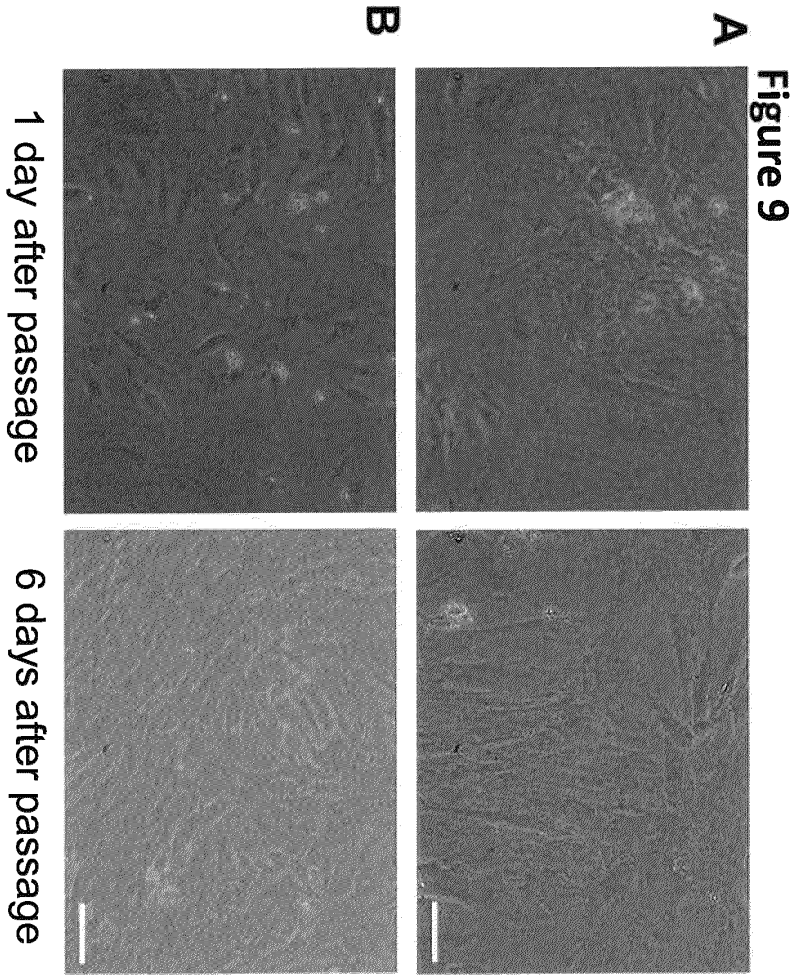
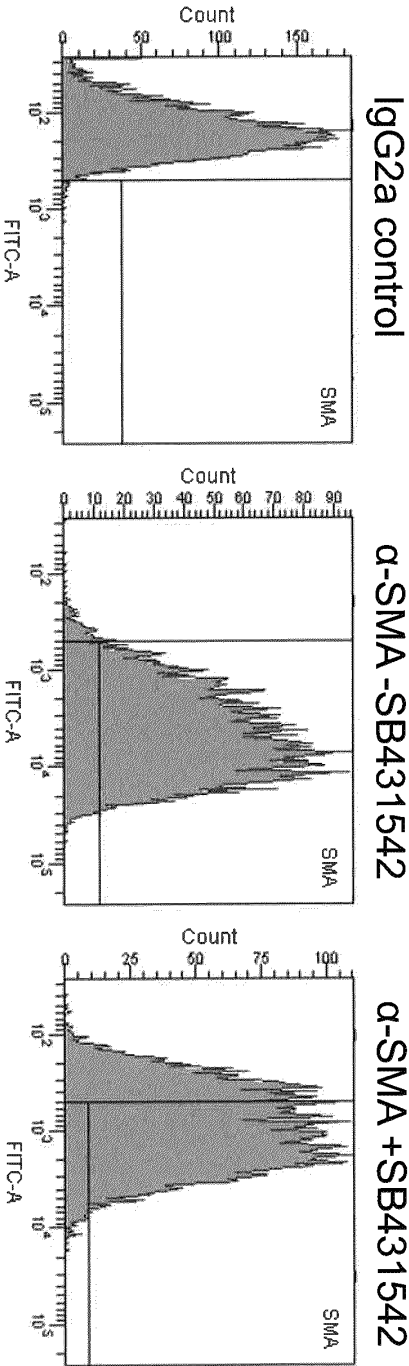


Figure 9C



Sample	% α-SMA+	α-SMA median
IgG2a control	0.6	603
-SB431542	97.5	4990
+SB431542	70.9	1149

Figure 9D

