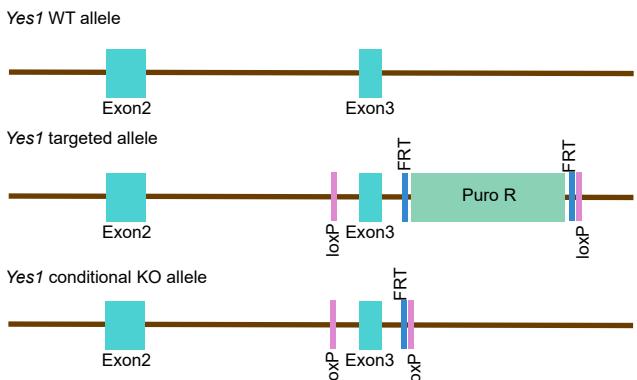
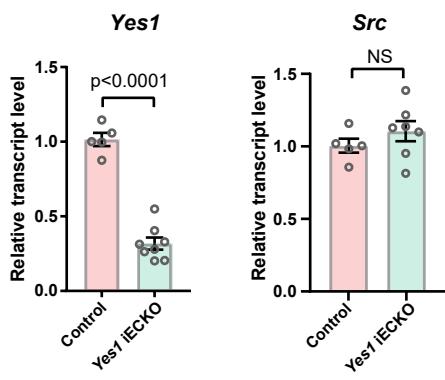
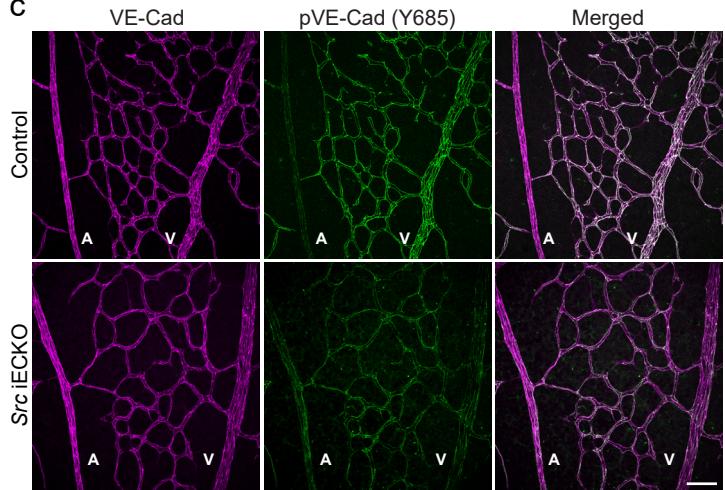
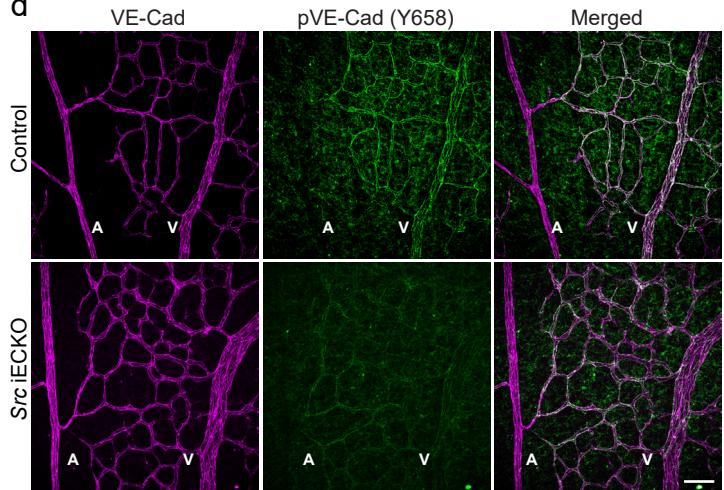
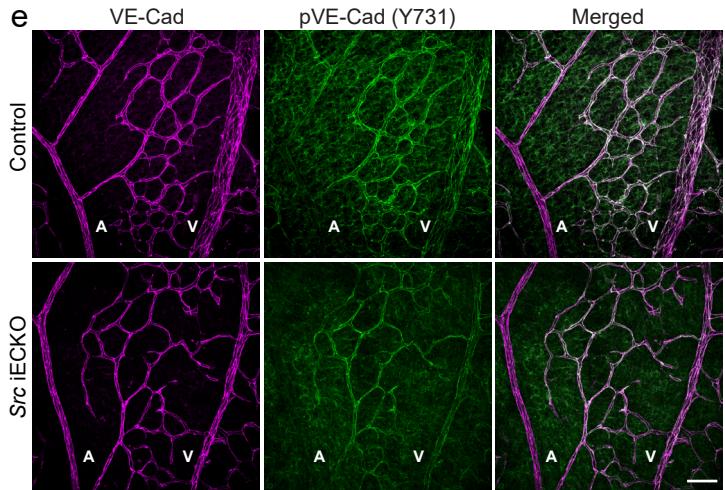
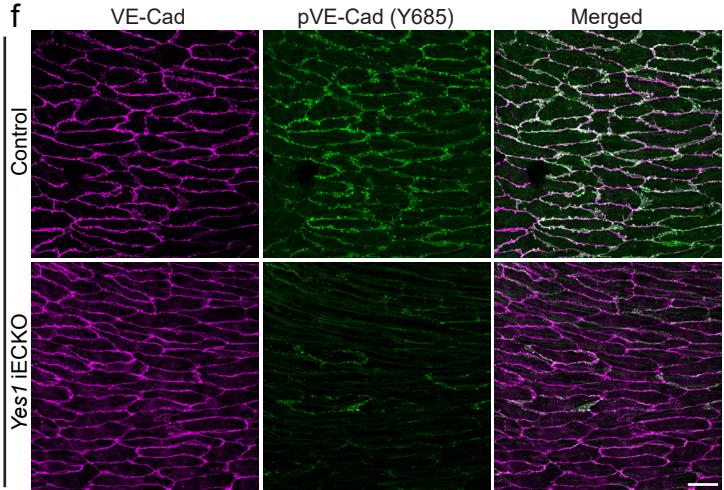
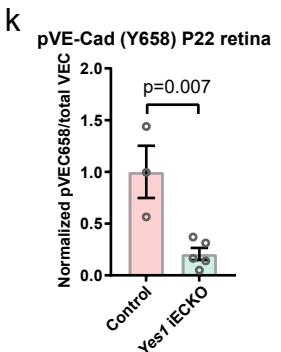
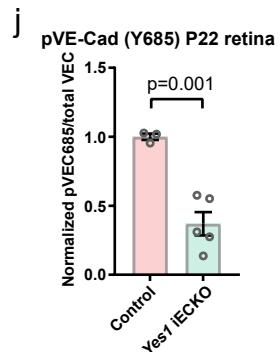
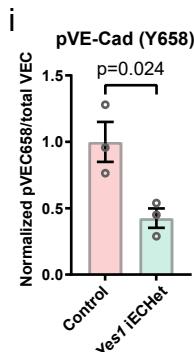
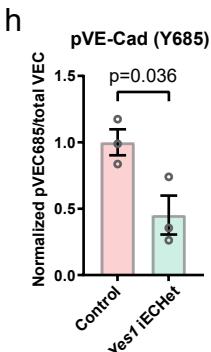
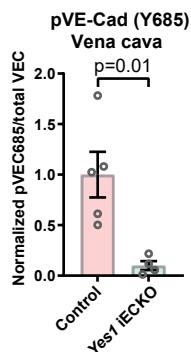
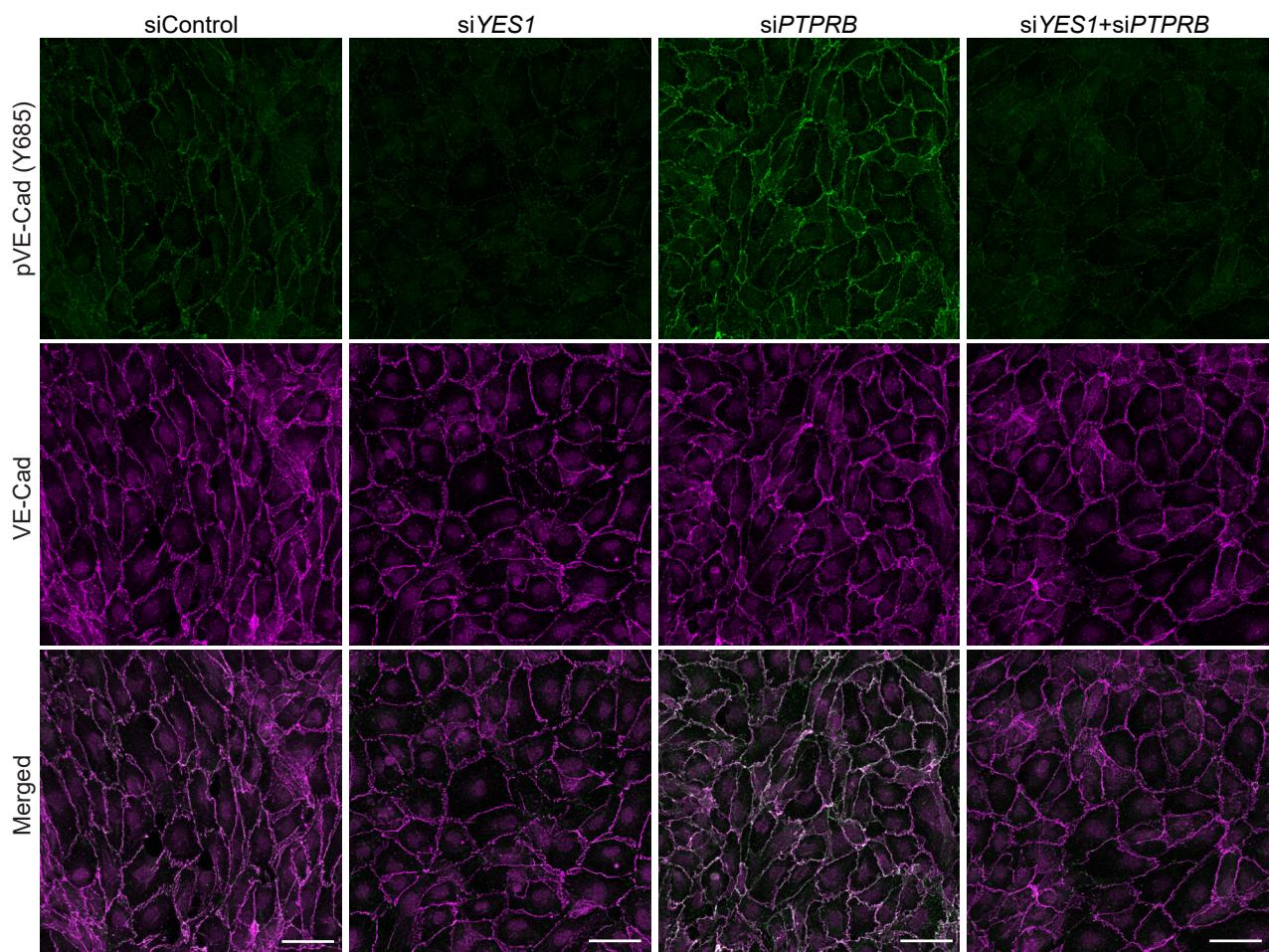
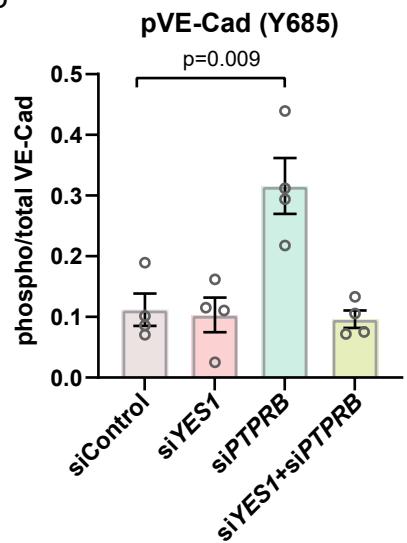
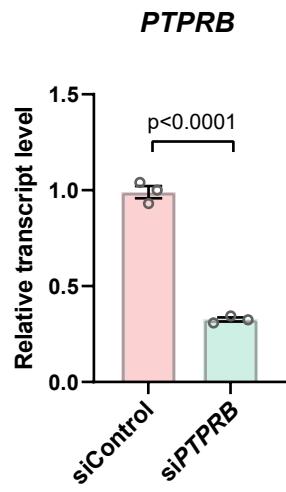
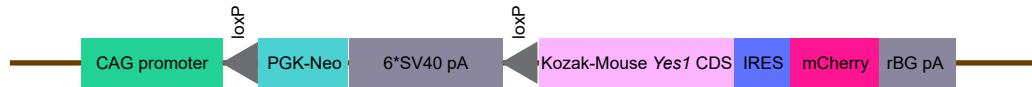


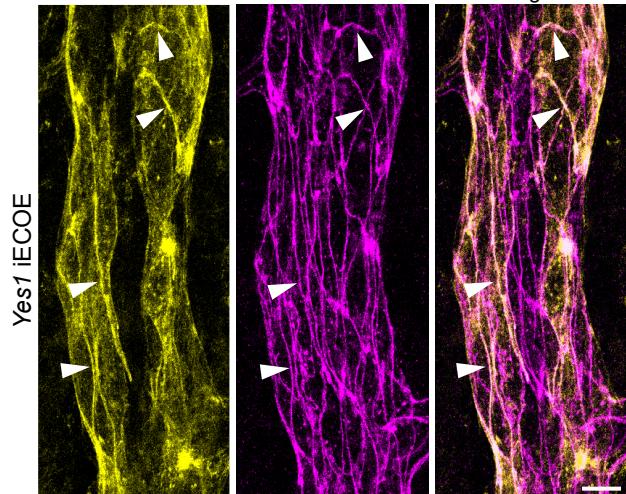
**a****b****c****d****e****f****g**

**a****b****c**

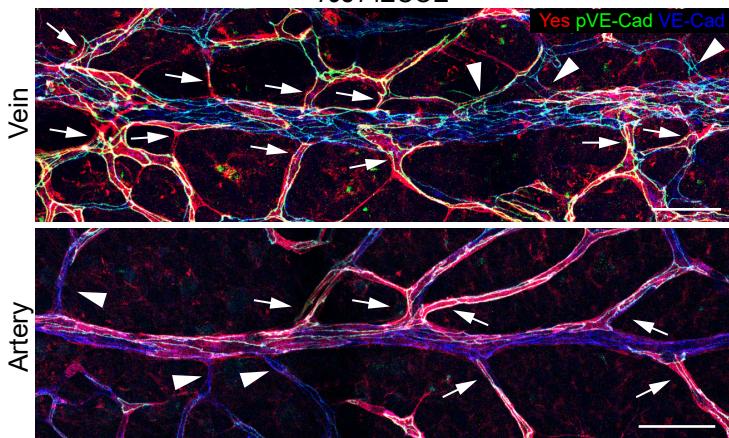
**a** Targeted allele for *Yes1* overexpression



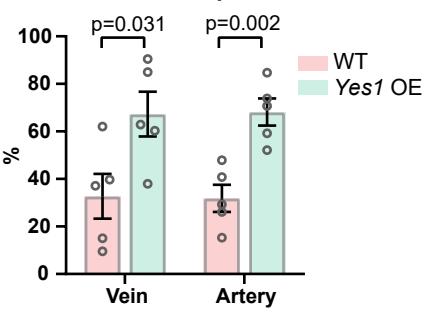
**b** Yes VE-Cad Merged

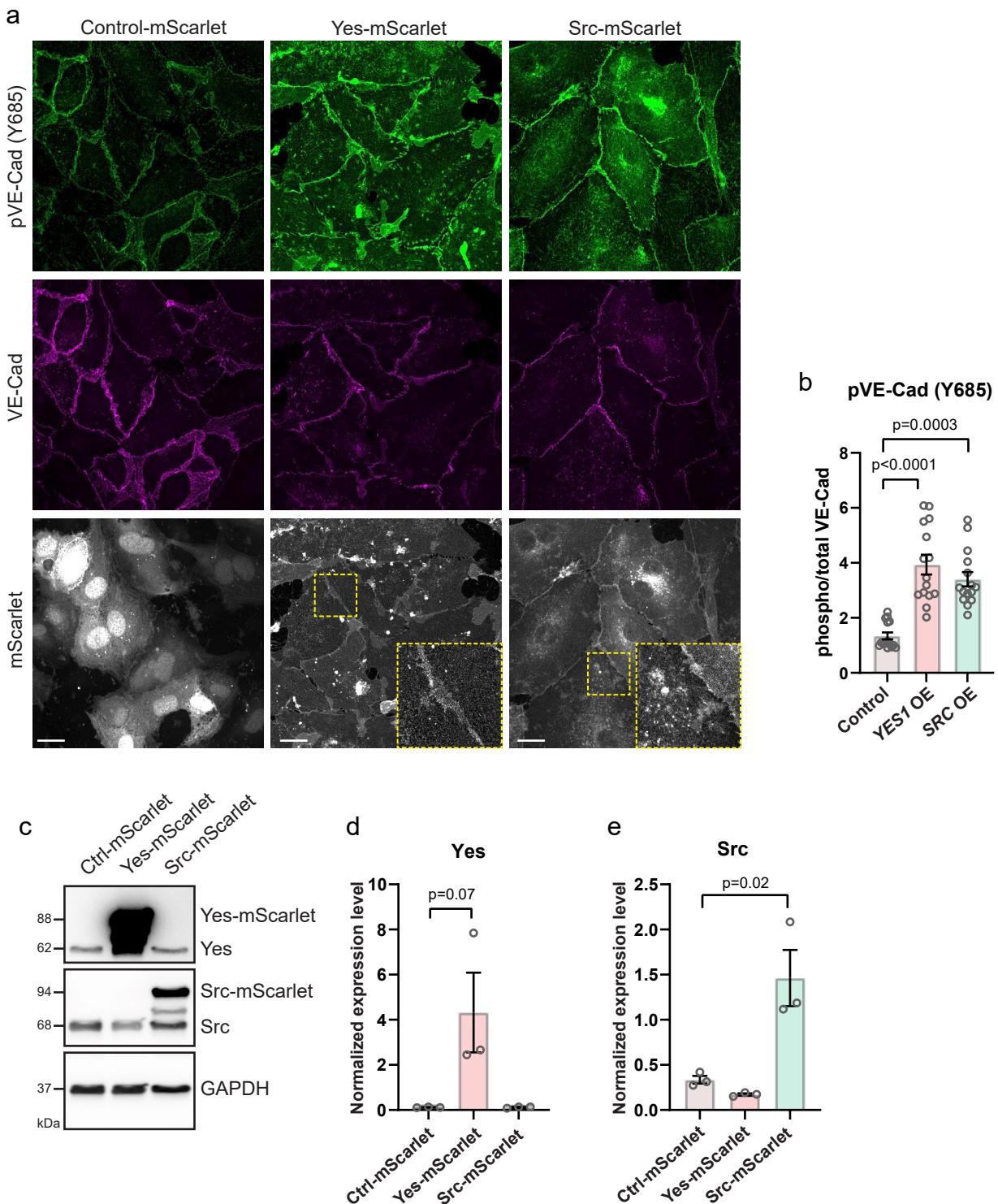


**c** Yes1 iECOE Yes pVE-Cad VE-Cad

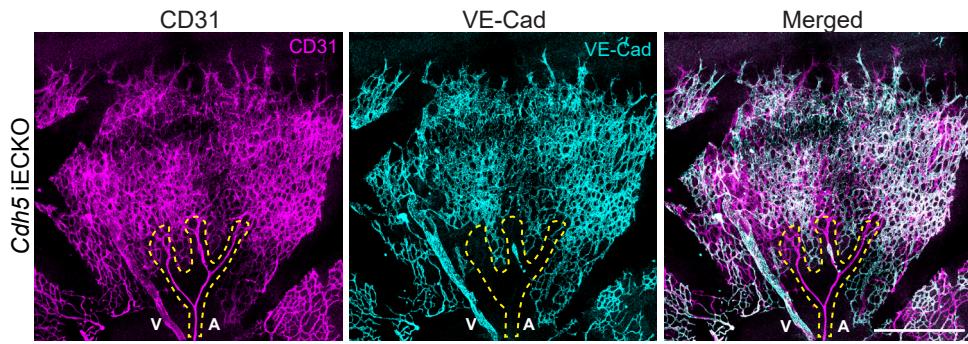


**d** Cells at branch position

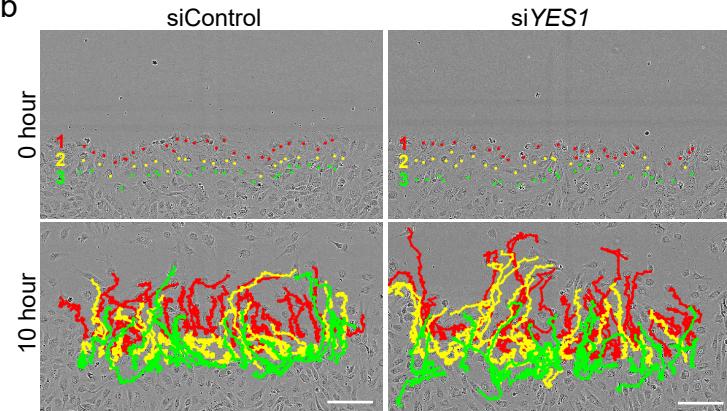




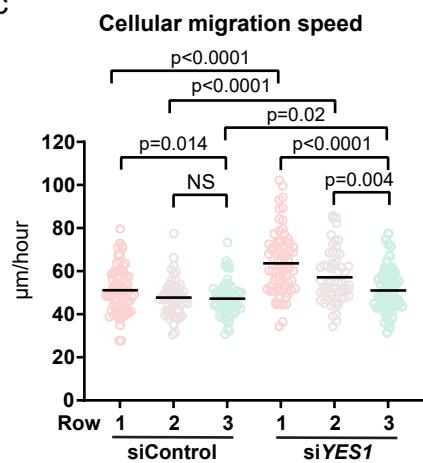
a



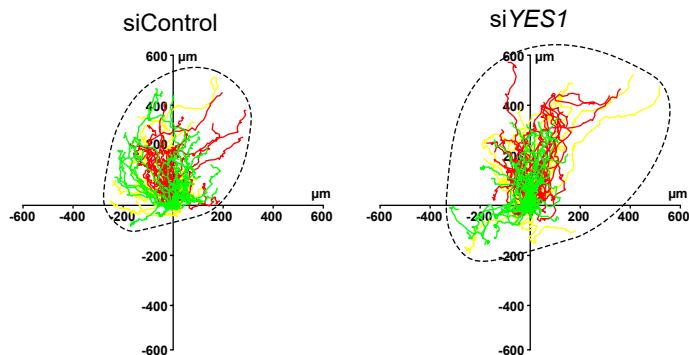
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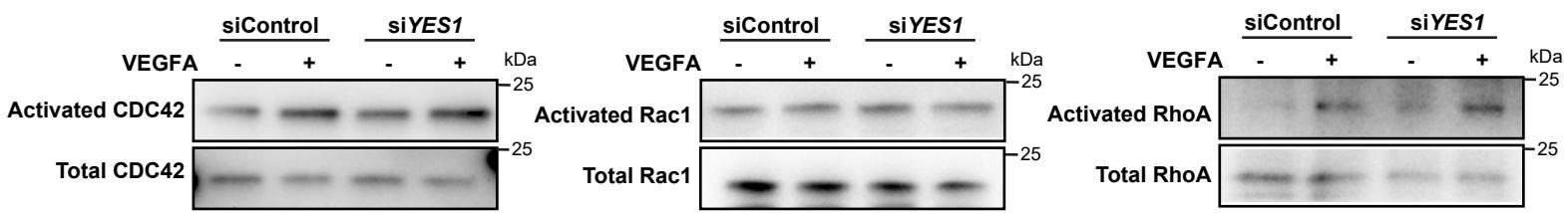
c



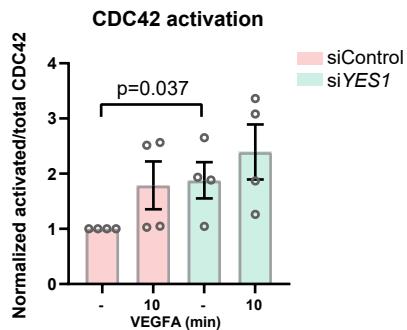
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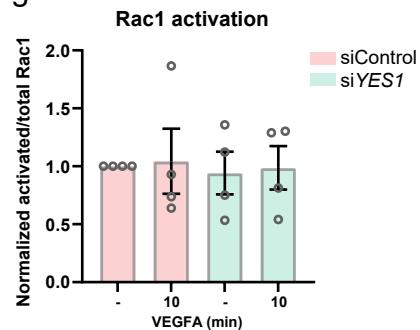
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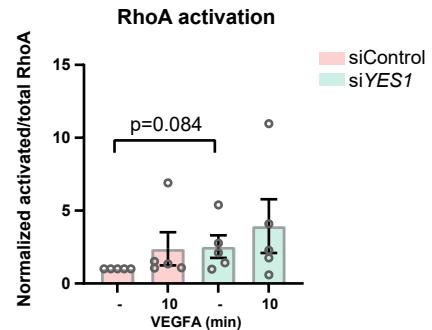
f



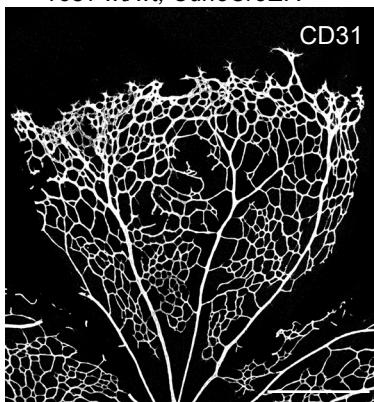
g



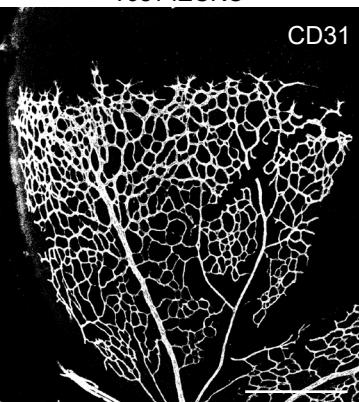
h



a Yes1 wt/wt, Cdh5CreER<sup>T2+</sup>

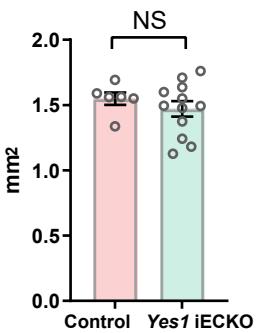


Yes1 iECKO

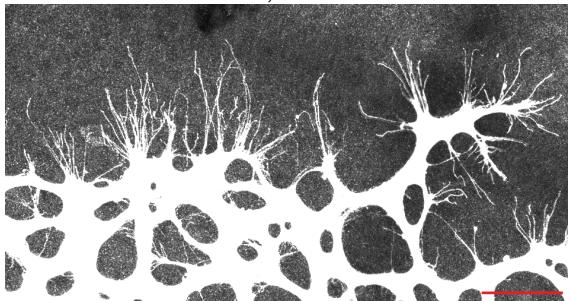


b

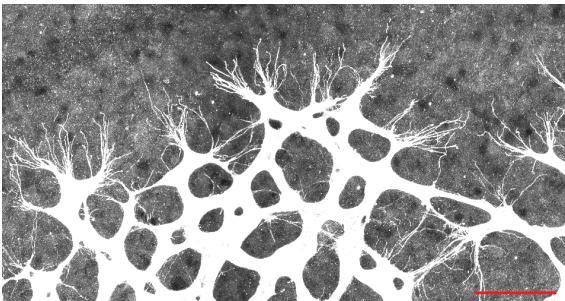
Vascular area



c Yes1 wt/wt, Cdh5CreER<sup>T2+</sup>

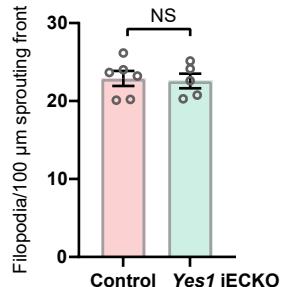


Yes1 iECKO

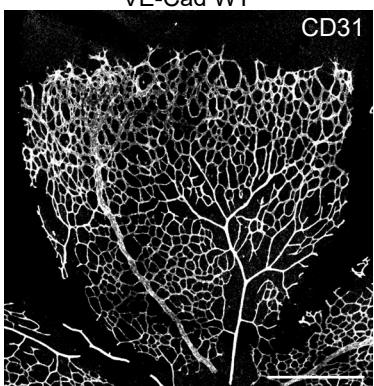


d

Filopodia



e VE-Cad WT

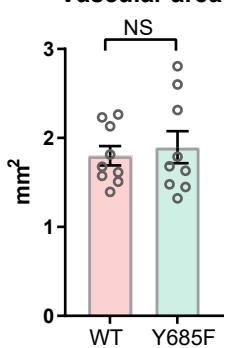


VE-Cad Y685F

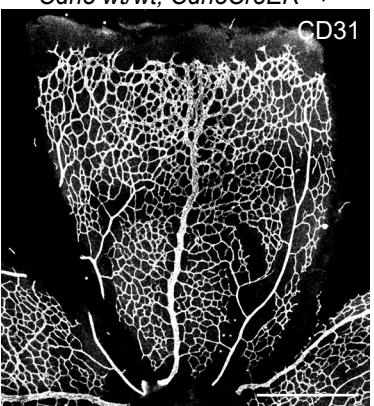


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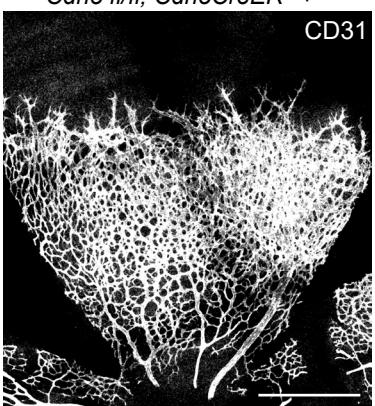
Vascular area



g Cdh5 wt/wt, Cdh5CreER<sup>T2+</sup>

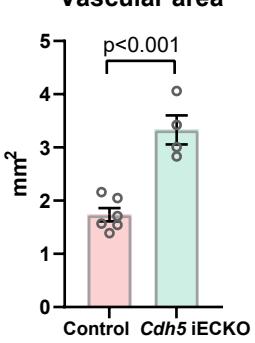


Cdh5 fl/fl, Cdh5CreER<sup>T2+</sup>

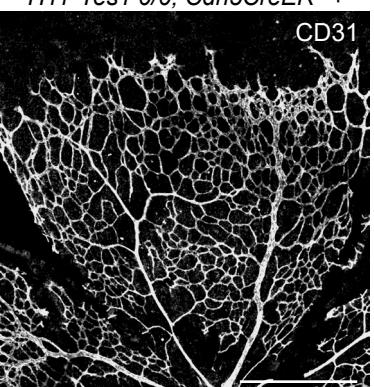


h

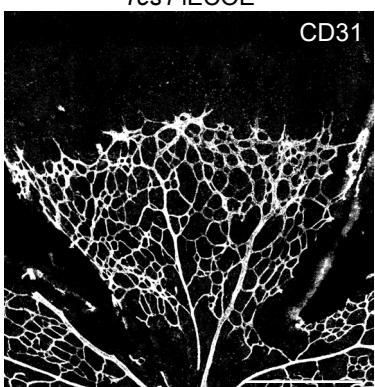
Vascular area



i H11-Yes1 0/0, Cdh5CreER<sup>T2+</sup>

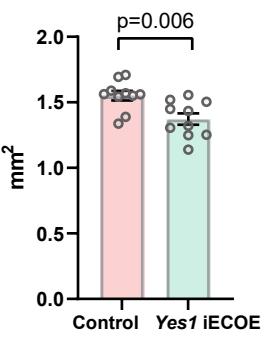


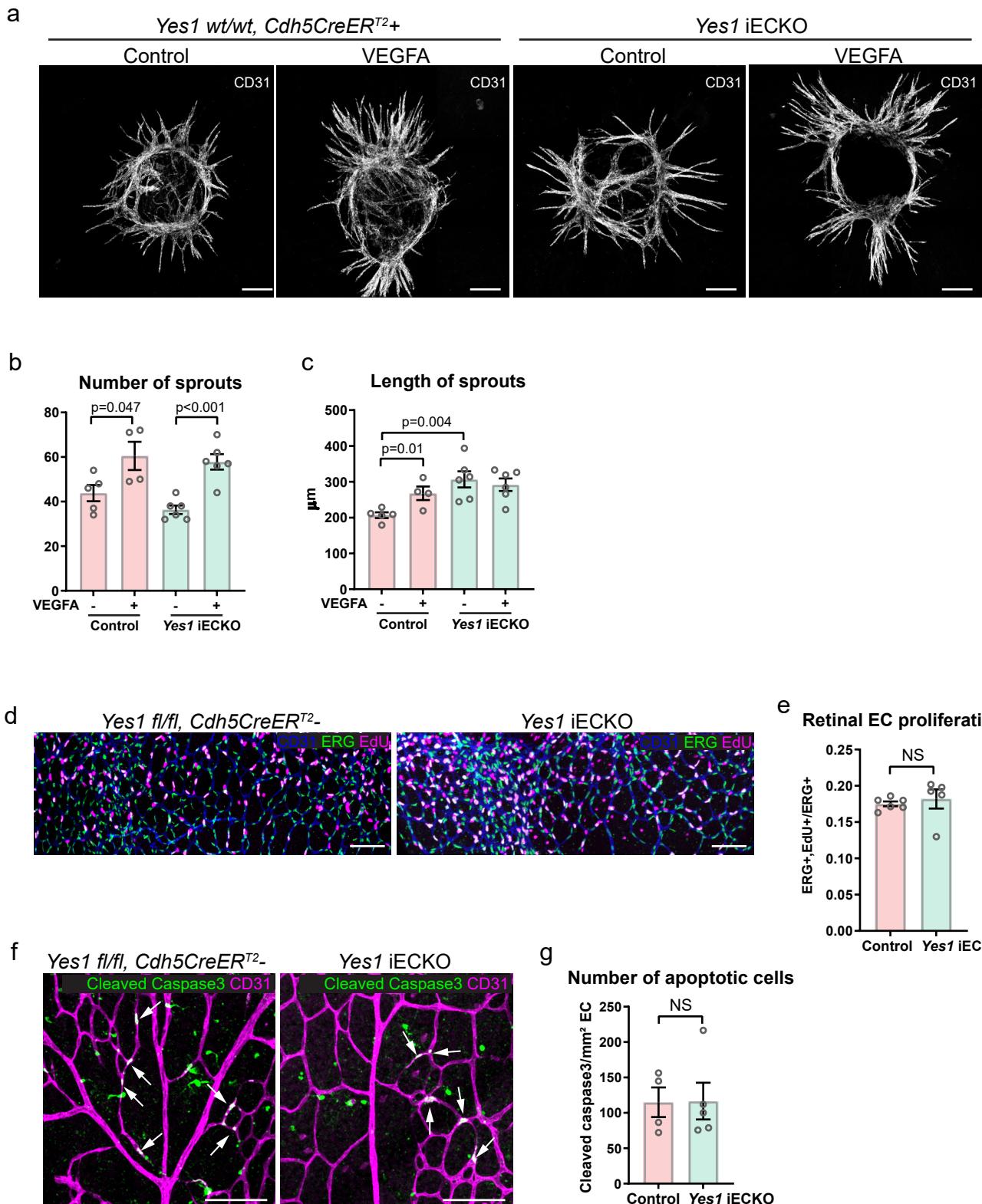
Yes1 iECOE



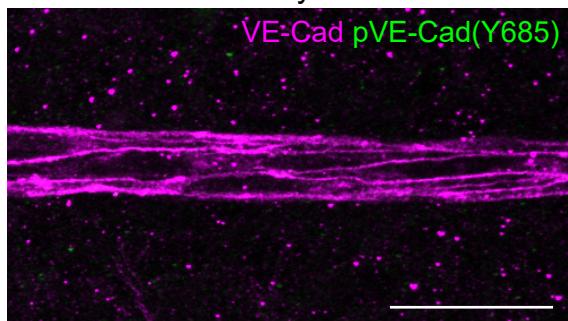
j

Vascular area

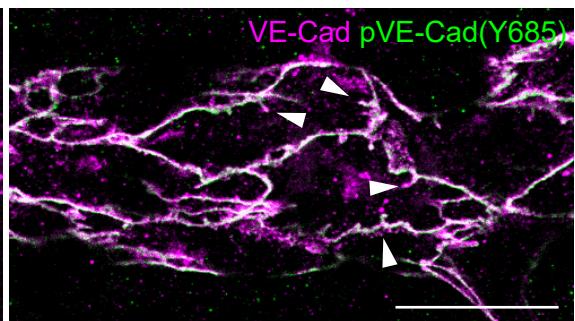




Artery



Vein



**a**

siControl

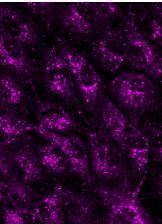
siYES1

siSRC

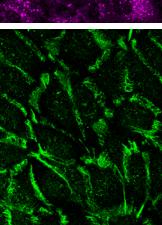
Static

3 dyn/cm<sup>2</sup>

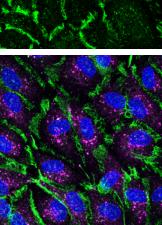
Internalized VE-Cad



Total VE-Cad



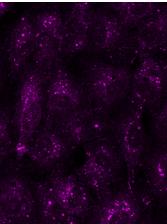
Merged



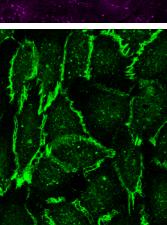
Static

3 dyn/cm<sup>2</sup>

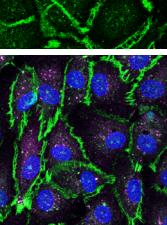
Internalized VE-Cad



Total VE-Cad



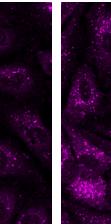
Merged



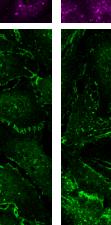
Static

3 dyn/cm<sup>2</sup>

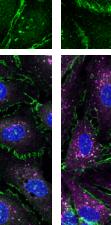
Internalized VE-Cad



Total VE-Cad



Merged

**b**

siControl

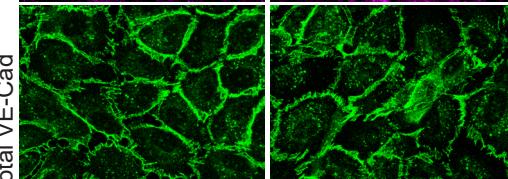
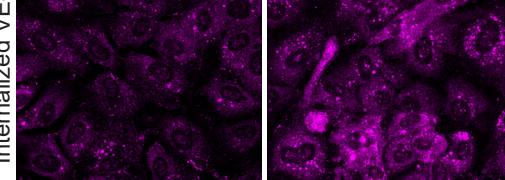
siYES1

siSRC

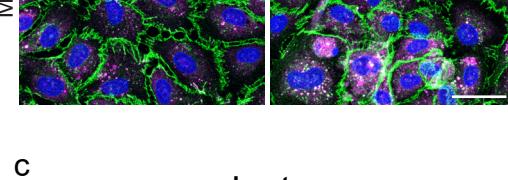
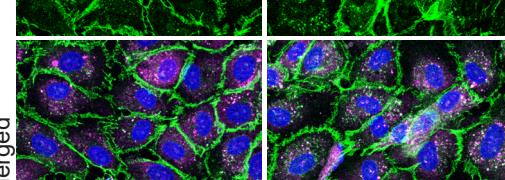
VEGFA

-      +

Internalized VE-Cad



Total VE-Cad



Merged



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-

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-

+

-

+

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**c**

Input

IP: VE-cadherin

siControl      siYES1

VEGFA -      +

p120

VE-Cad

GAPDH

35

siControl      siYES1

-      +

kDa

80

115

115

**d**

p120 co-IP

