

Table S1. The percentage of ECs undergoing mitosis

	Tip*	Stalk**	Bridge [†]	Junction [‡]	Sheet [§]	All/ <i>n</i> [§]	Ratio (%)
VEGF (0 ng/ml)	0	0	0	0	0	0/129	0.0
	0	2	0	0	8	10/233	4.3
	0	0	0	0	0	0/126	0.0
VEGF (5 ng/ml)	0	0	1	0	3	4/245	1.6
	0	0	0	1	1	2 /257	0.8
	0	1	3	4	1	9/217	4.1
VEGF (50 ng/ml)	0	3	2	0	0	5/83	6.0
	0	2	4	3	0	9/211	4.3
	0	0	0	1	1	2/178	1.1

The number of ECs undergoing mitosis at specified places.

*At the tip.

**At blunt-ended regions (including the tip) distal to the junctions.

[†]At regions connecting two junctions.

[‡]At regions where two or more stalks diverge or converge.

[§]At vascular beds where ECs form sheets.

[§]The total number of ECs observed.