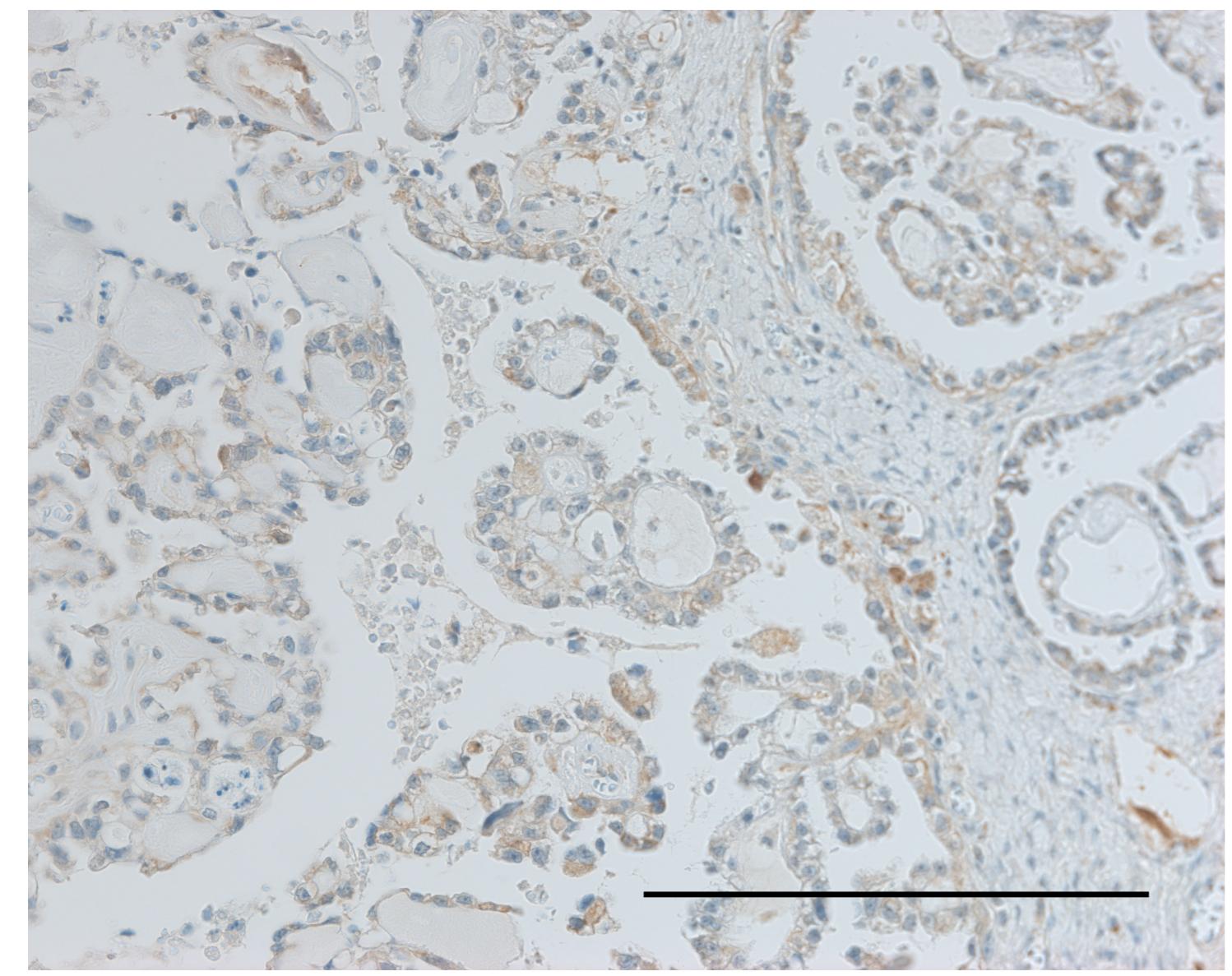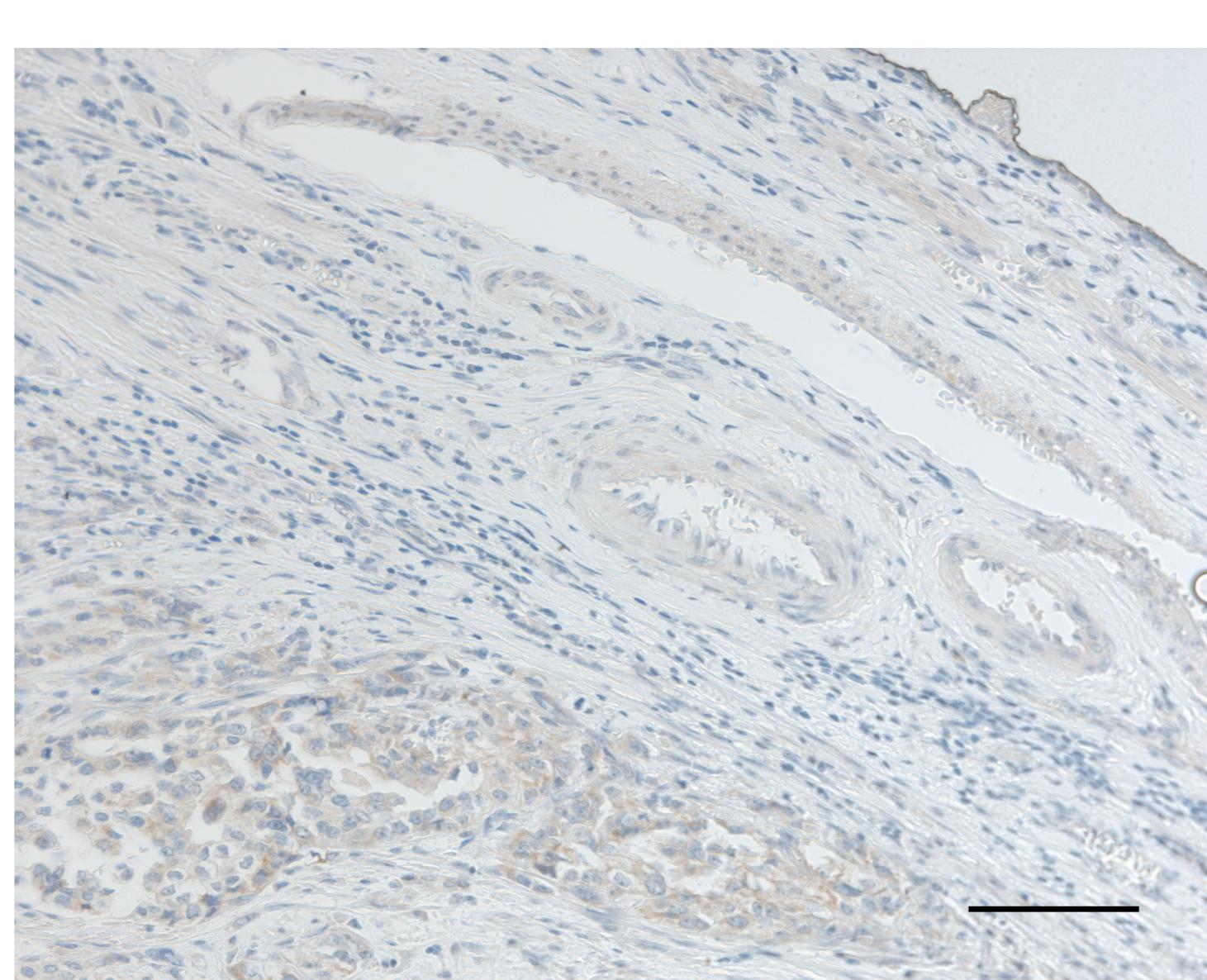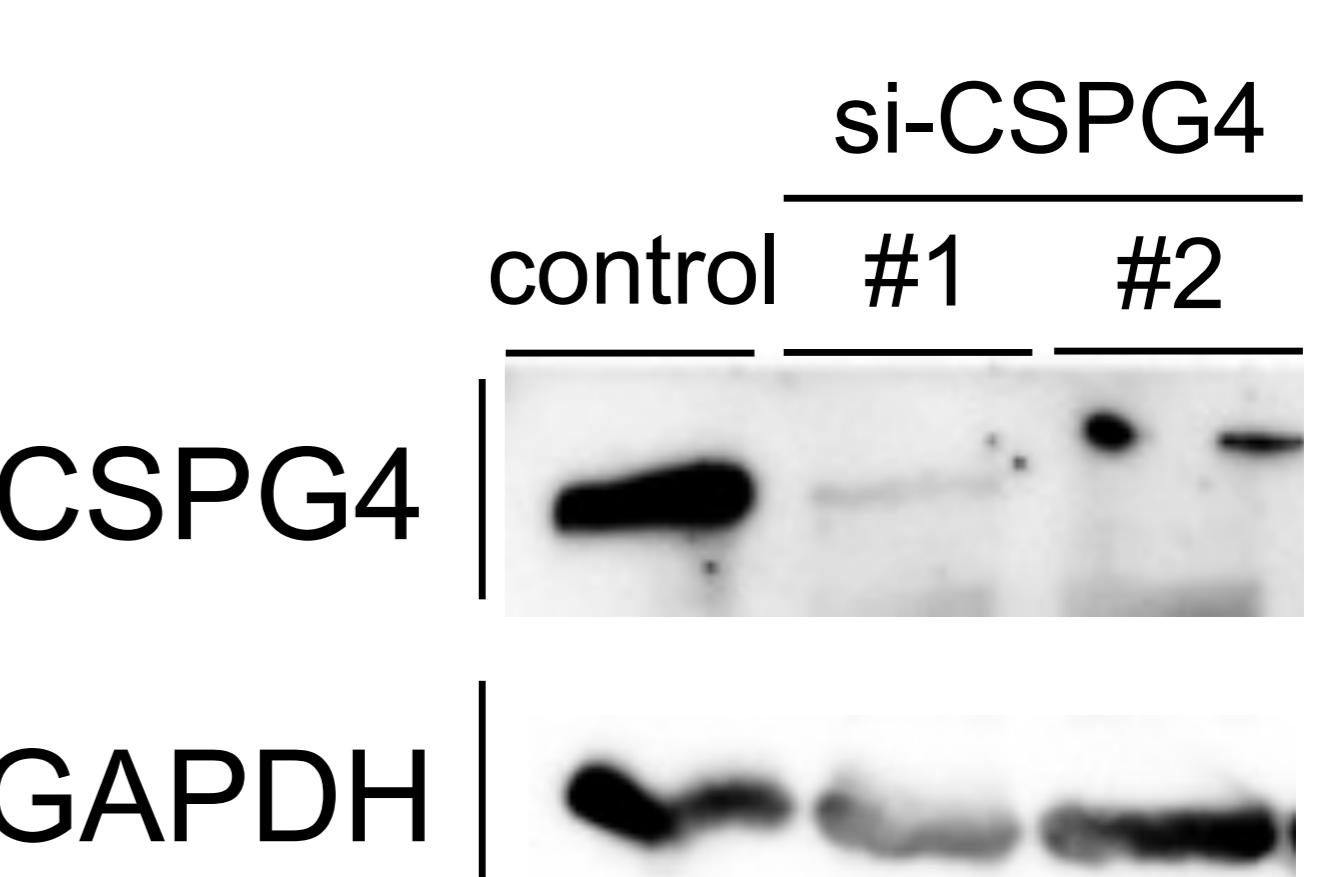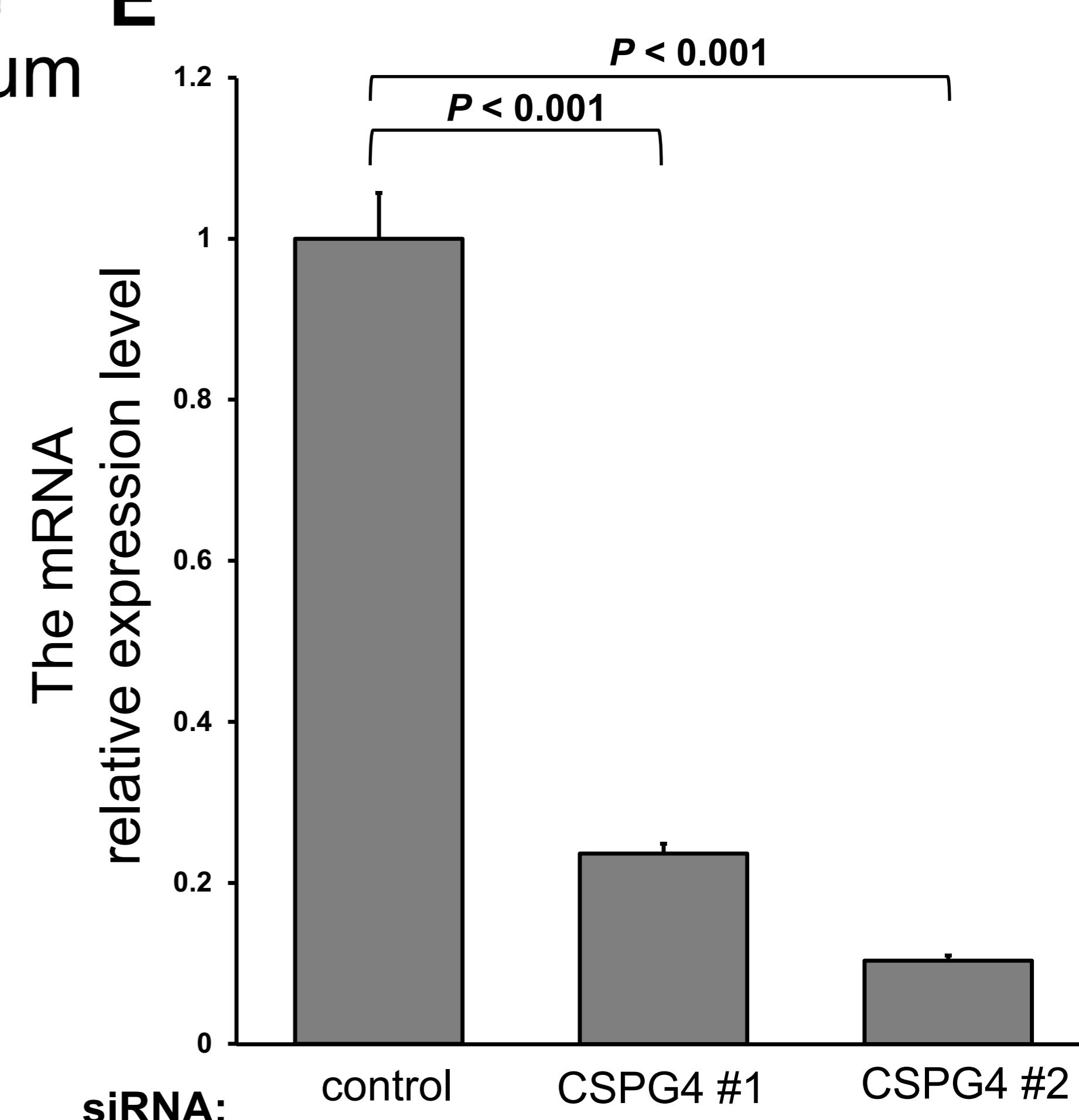**A** Normal ovarian epithelial

Ovarian cancer

B Tumor and stroma50um

C

D

E

F ES2 NOE
Migration Invasion Migration Invasion

G

H
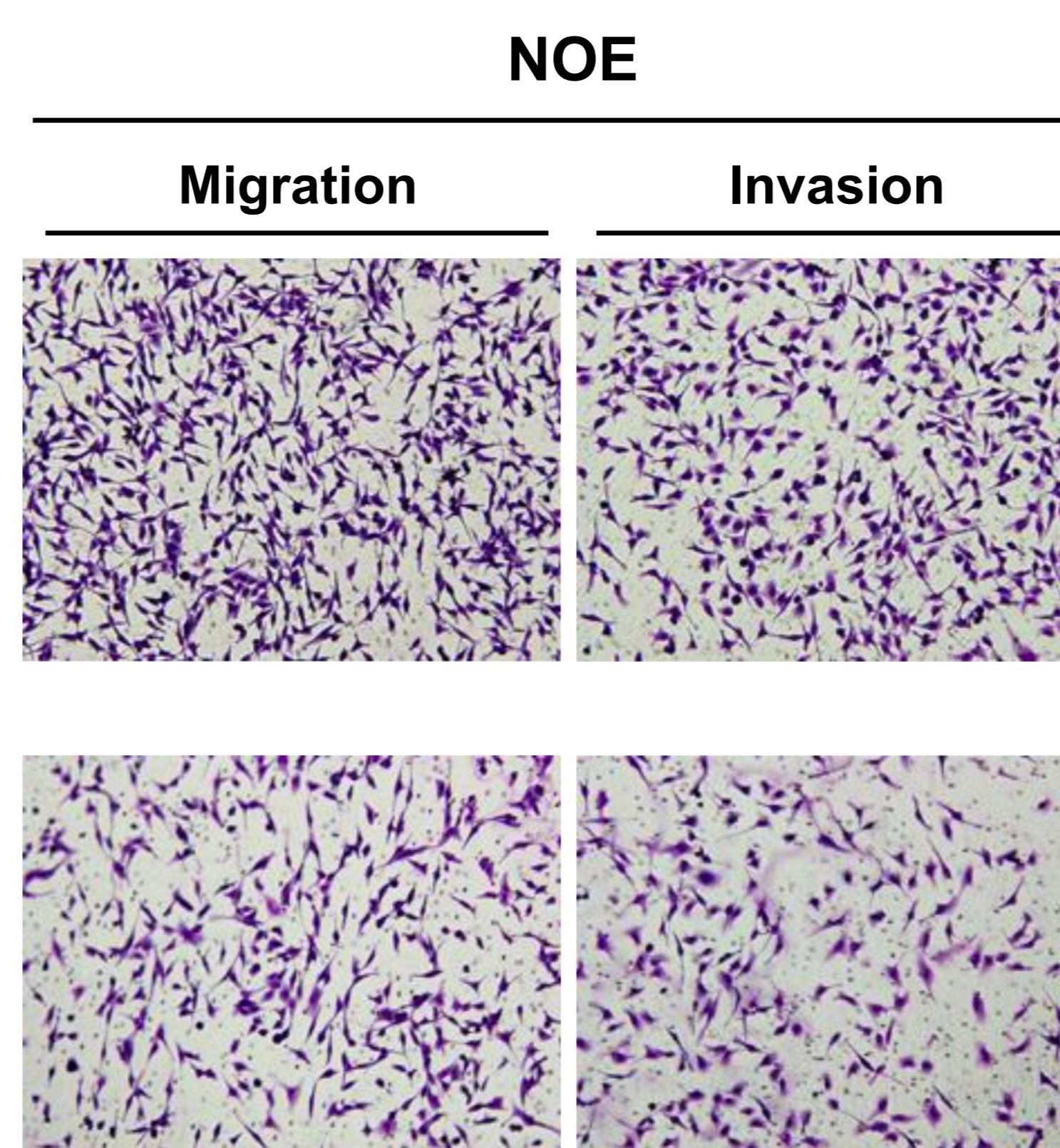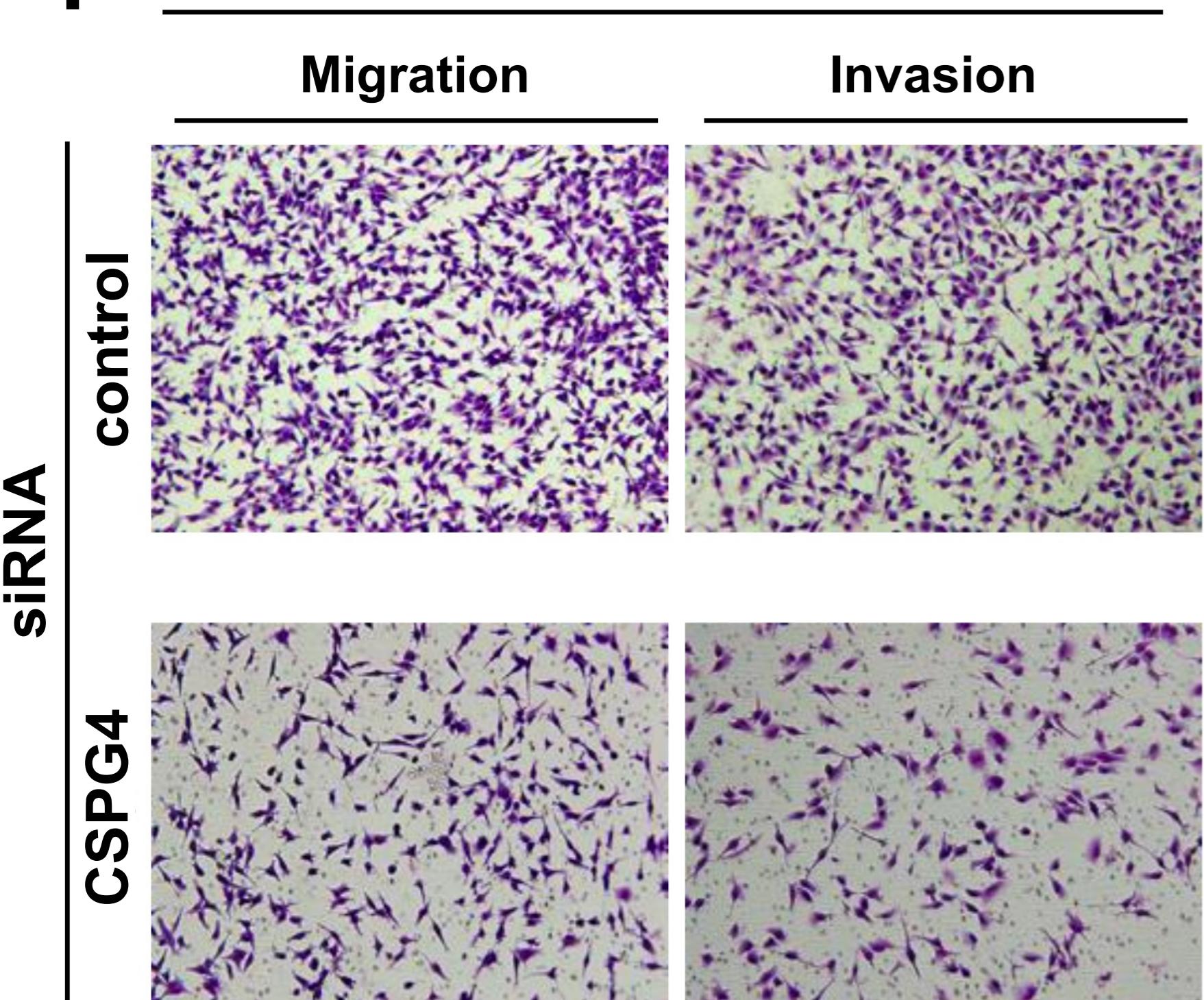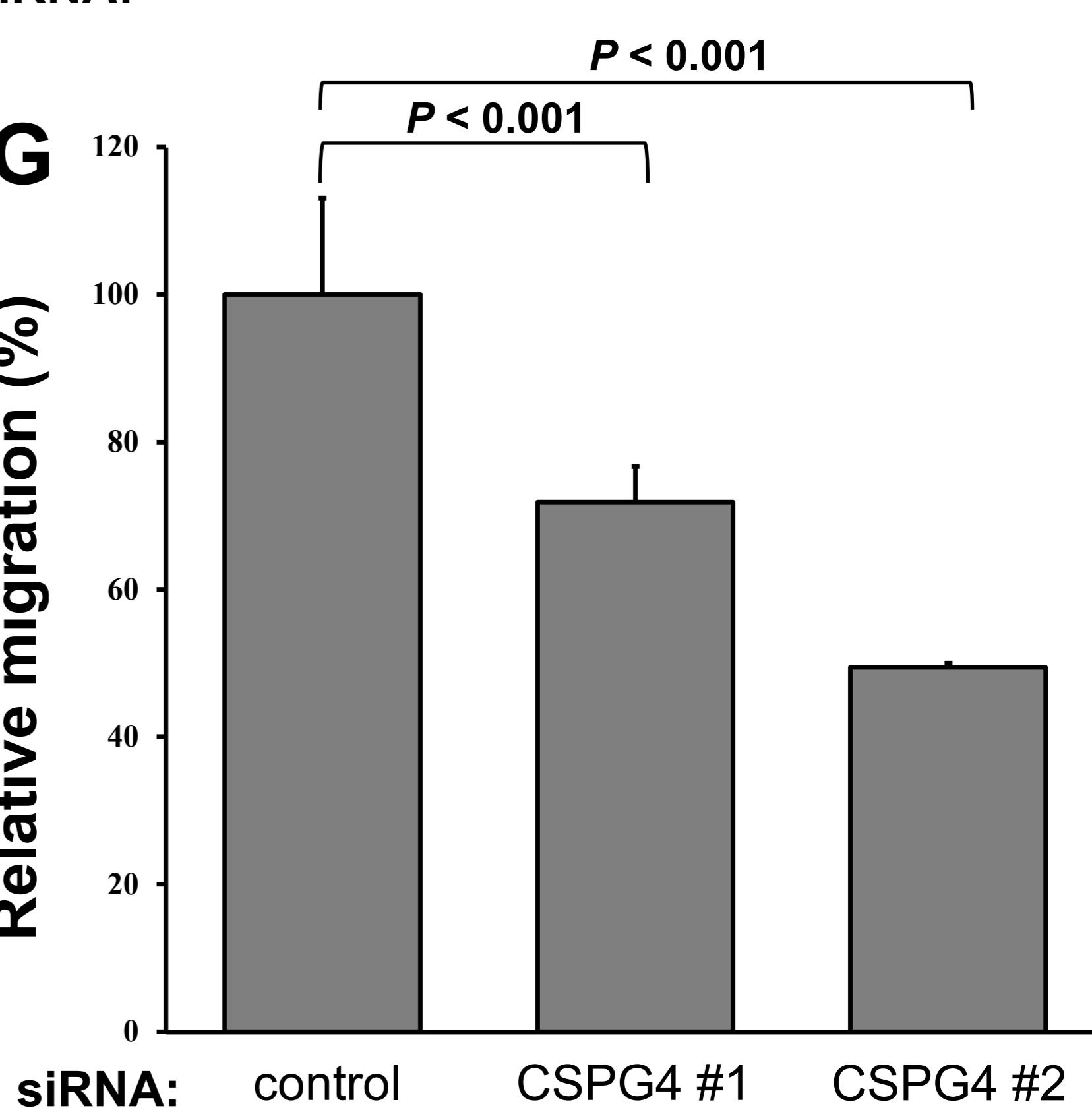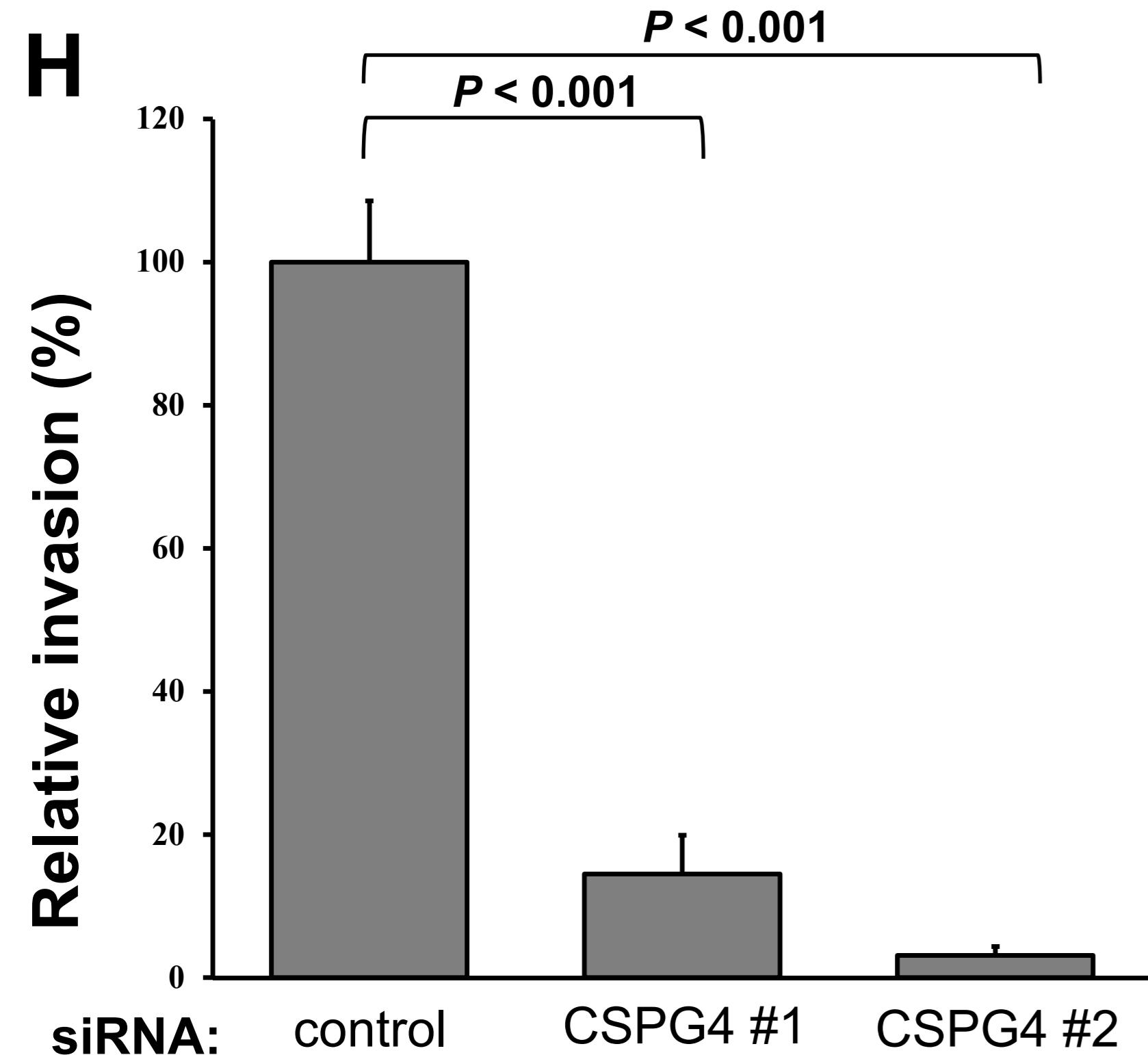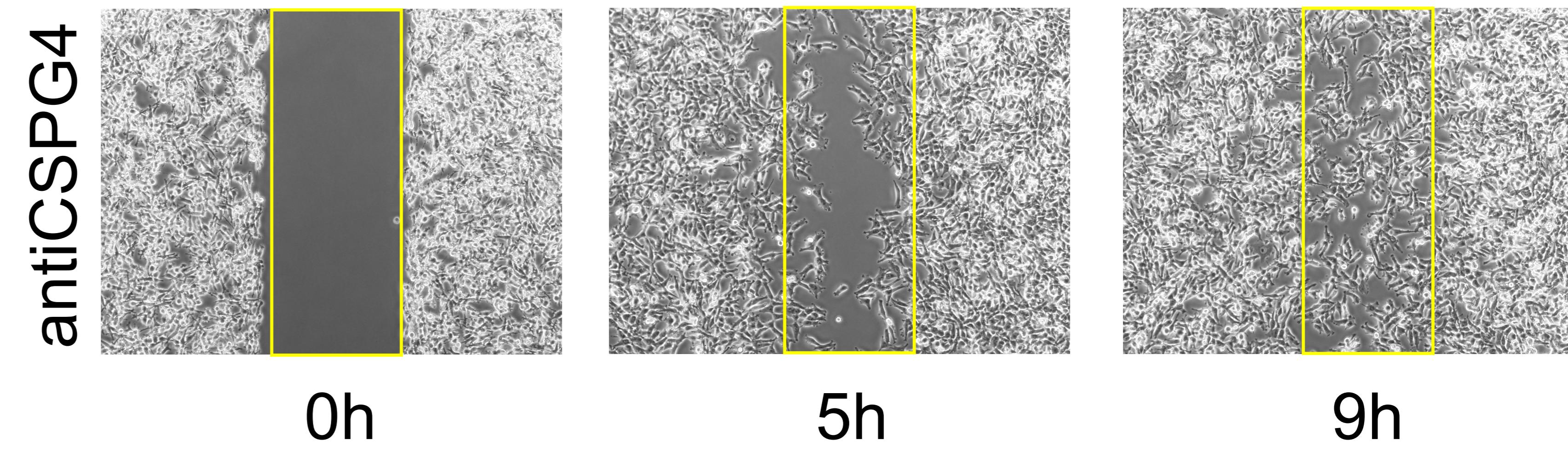
I 0h 5h 9h

Figure S1. Downregulation of CSPG4 affects invasion, migration, and wound healing abilities in EOC cells
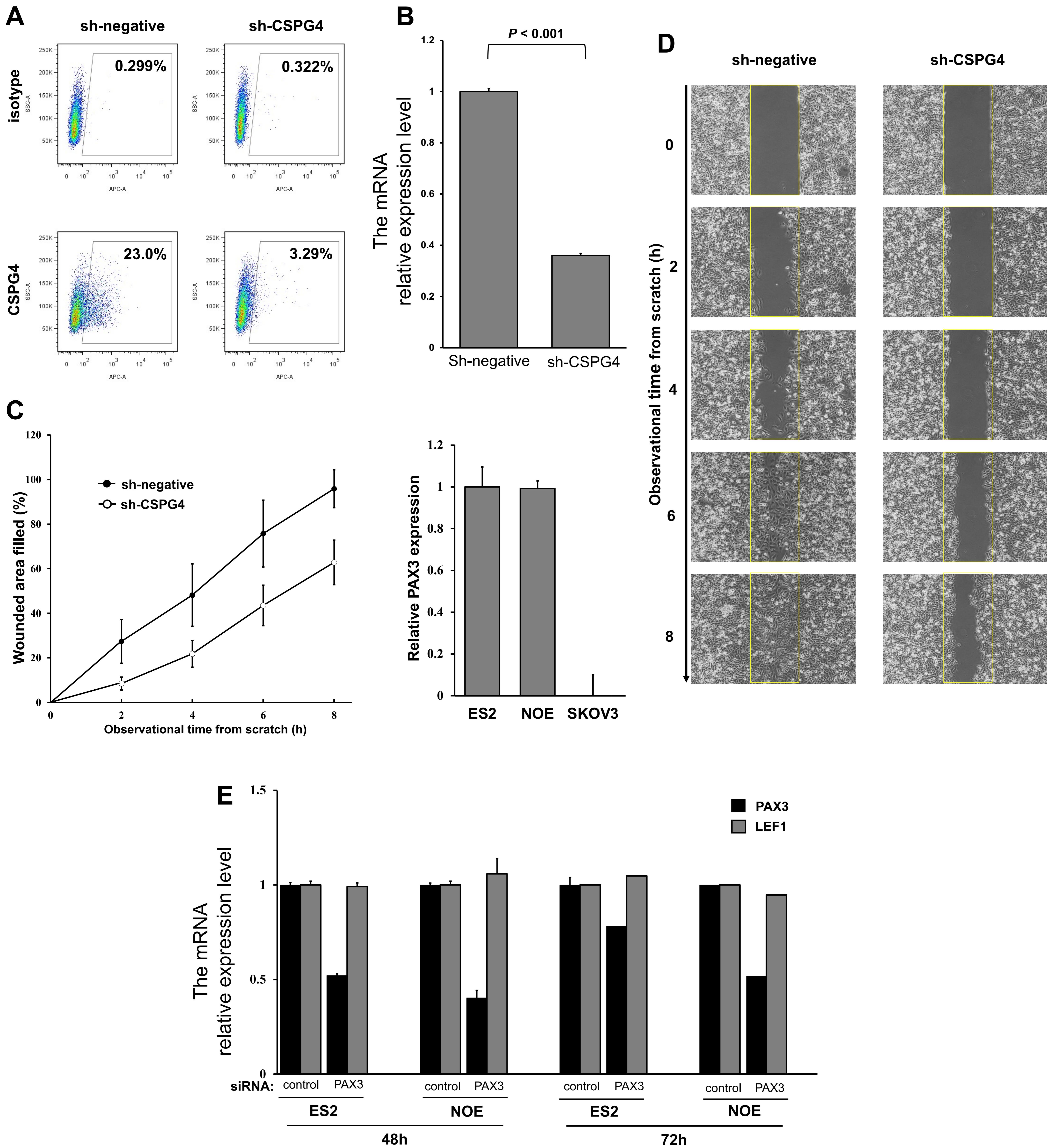
Figure S2. Decreased wound healing ability with sh-CSPG4.

Table S1. Patient backgrounds

Characteristics	All patients (n = 52)
Age in years, median ± SD (range)	50 ± 9.2 (26–64)
FIGO tumor stage	
II, n (%)	5 (9.6%)
III, n (%)	47 (90.4%)
Pathology	
Endometrioid carcinoma, G1, n (%)	1 (1.9%)
Endometrioid carcinoma, G2, n (%)	1 (1.9%)
Endometrioid carcinoma, G3, n (%)	1 (1.9%)
High grade Serous carcinoma, n (%)	39 (75.0%)
Mucinous rcinoma, n (%)	2 (3.8%)
Clear cell carcinoma, n (%)	8 (15.4%)
Neo-adjuvant chemotherapy, n (%)	8 (15.4%)

SD, standard deviation; FIGO, International Federation of Gynecology and Obstetrics; G, grade.

Table S2.

Primers

Target gene	primer	Primer sequence (5' to 3')
cspg4	CSPG4-Fw	TGGCCTTCACTGTCACTGTCCTG
	CSPG4-Rev	CAGAGCCTCCGCAGGGATGG
gapdh	GAPDH-Fw	CATGTTCGTCATGGGTGTGAACCA
	GAPDH-Rev	AGTGATGGCATGGACTGTGGTCAT
pax3	PAX3-Fw	GCTCCATACGTCCTGGTGCCAT
	PAX3-Rev	TCTTCTCCACGTCAGGCGTTGTC
lef1	LEF1-Fw	CCCCGATGACGGAAAGCATC
	LEF1-Rev	TGTTCTCGGGATGGGTGGAGAA
fn1	FN1-Fw	TGTACCATCGCAAACCGCTGCC
	FN1-Rev	TGGGCTTGCAGGTCCATTCTCCT

siRNAs

Target gene	siRNA	Target sequence (5' to 3')
non-targeted	control	TTCTCCGAACGTGTCACGT
cspg4	CSPG4 #1	CCAGGTCAACCCTGTCAAT
	CSPG4 #2	GCCGTTCTCTATAGCCACA
lef1	LEF1 #1	GCGATTTAGCTGACATCAA
	LEF1 #2	GCTACATATGCAGCTTTAT

shRNAs

Target gene	shRNA	Target sequence (5' to 3')
non-targeted	control	TTCTCCGAACGTGTCACGT
cspg4	CSPG4-7623	TGGCTTTGACCCTGACTATGTTG