

Supplementary Table 1. The list of primers used in the study

Primers and number	Sequence (5'-3')
Mouse β-actin Forward	AGCCATGTACGTAGCCATCCA
Mouse β-actin Reverse	TCTCCGGAGTCCATCACAATG
Mouse β-actin Probe	TGTCCCTGTATGCCTCTGGTCGTACCAC
Mouse CD163 Forward	GTGTGACATGTTCTGATGGA
Mouse CD163 Reverse	TCTTCCCAGTCAGCTTCT
Mouse CD163 Probe	TCTCCACCTCCACAATGCCAGCAC
Mouse CD206 Forward	TGCTTTAACCTGGCATCAG
Mouse CD206 Reverse	GGAACTGGTTAACCTGTGAG
Mouse CD206 Probe	TGAGTGTACGGAGATCCACGAGCA
Mouse IL-1β Forward	CTTTGAAGAAGAGCCCCATCC
Mouse IL-1β Reverse	TTCATCTCGGAGCCTGTAG
Mouse IL-1β Probe	CCTGCTGGTGTGACGTTCCCAT
Mouse IL-6 Forward	GAGGATACCACTCCAACAGACC
Mouse IL-6 Reverse	AAGTGCATCATCGTTGTTCATACA
Mouse IL-6 Probe	TGTCTATACCACTTCACAAGTCGGAGGCT
Mouse stabilin-1 Forward	TACTGTTACCGCGTGCAAGACG
Mouse stabilin-1 Reverse	ATTGGCATAGCCCAGCAGCATC
Mouse stabilin-1 Probe	TCTTGGCCGCCACTGCCAACTTCTCCACCTTCTAT
Mouse TNF-α Forward	CTATGTCTCAGCCTCTTCT
Mouse TNF-α Reverse	GGAACCTCTCATCCCTTG
Mouse TNF-α Probe	CAGTAGACAGAAGAGCGTGGTGGC
Human CCR2 Forward	GACCAGGAAAGAATGTGAAAGTGA
Human CCR2 Reverse	GCTCTGCCAATTGACTTTCCT
Human CCR2 Probe	CACAAGGACTCCTCGATGGTCGTGG

Supplementary Table 2. Clinical and pathological parameters of breast cancer patients (German cohort).

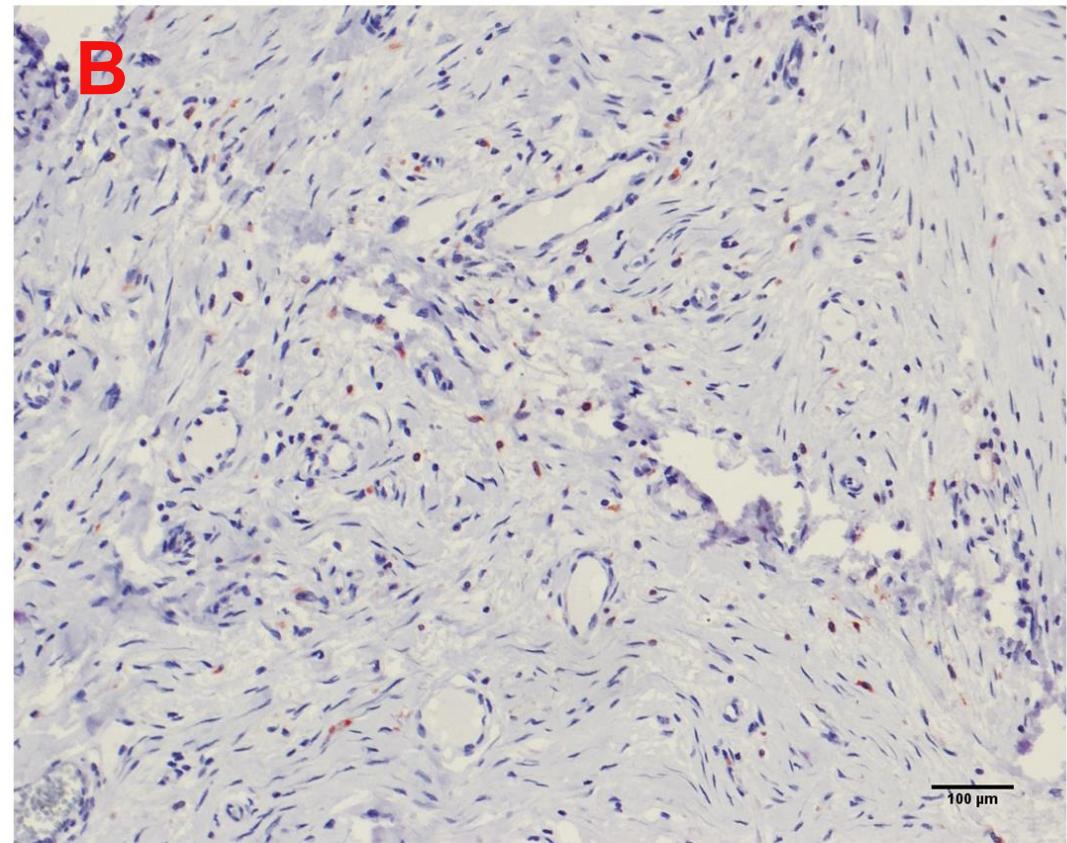
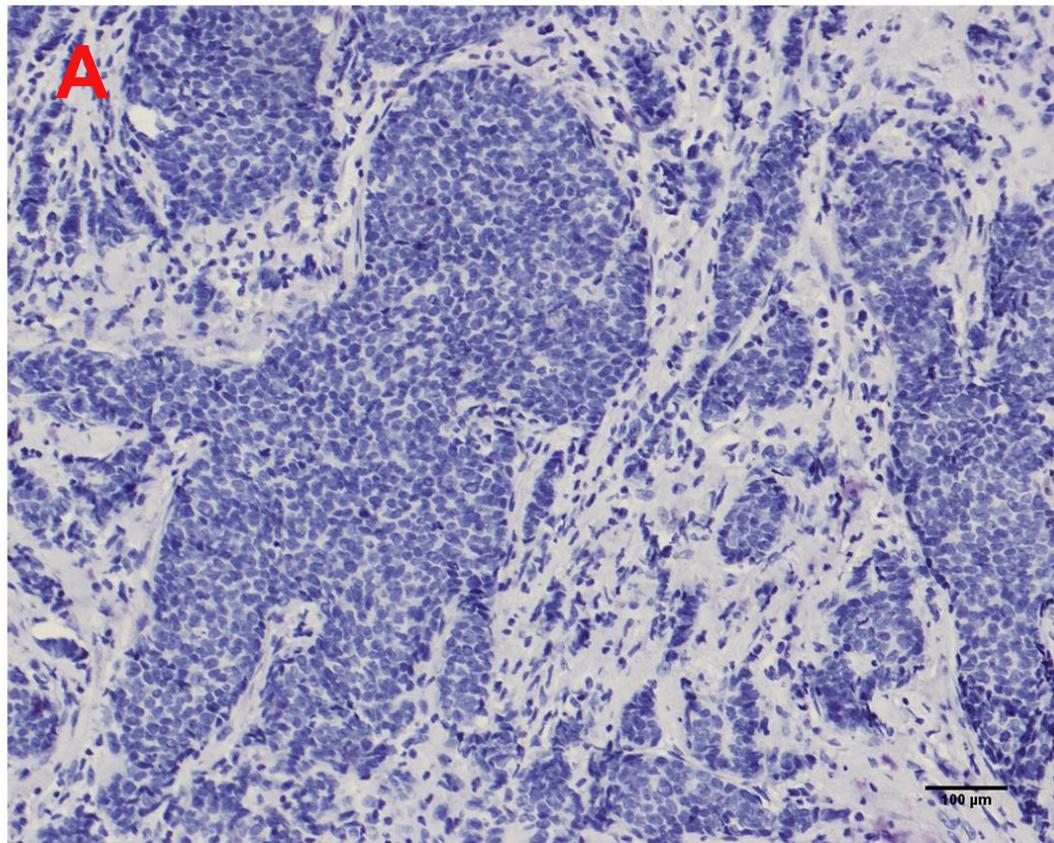
Clinical and pathological parameters	Number of patients
T stage	
T1	12
T2	8
T3	5
T4	3
N stage	
N0	10
N1	8
N2	3
N3	7
M stage	
M0	18
M1	10
ER	
+	23
-	5
PR	
+	21
-	7
HER2	
+	5
-	23
Triple negative	2

**Supplementary Table 3. Association of SI-CLP expression with clinico-pathological parameters of breast cancer patients (Russian cohort)**

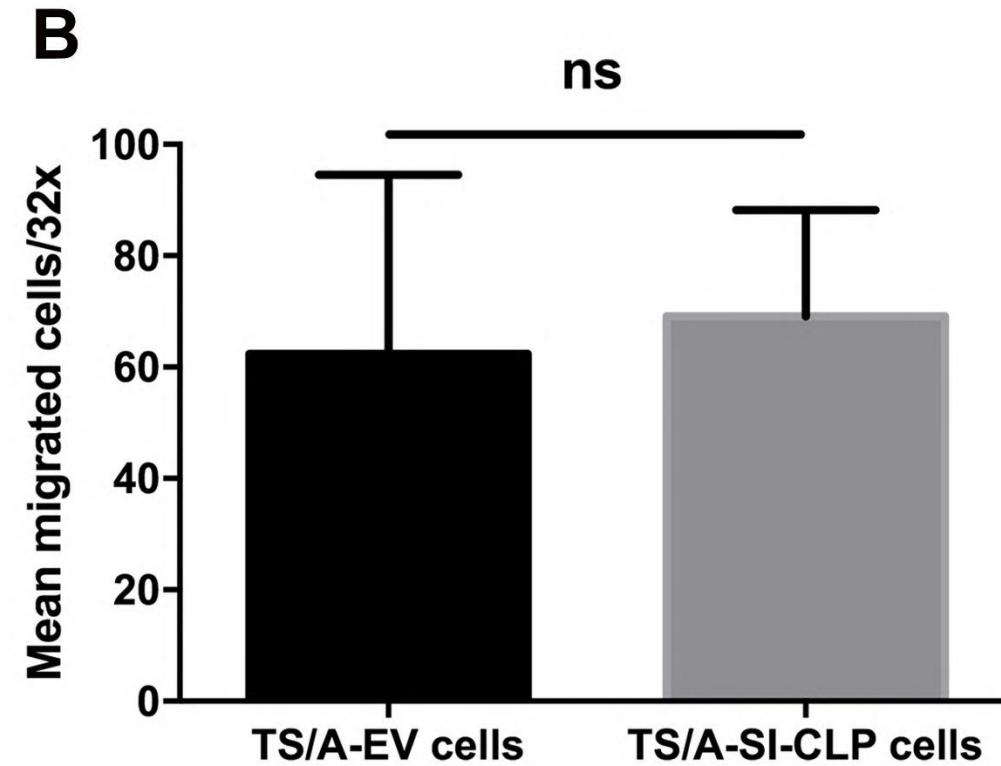
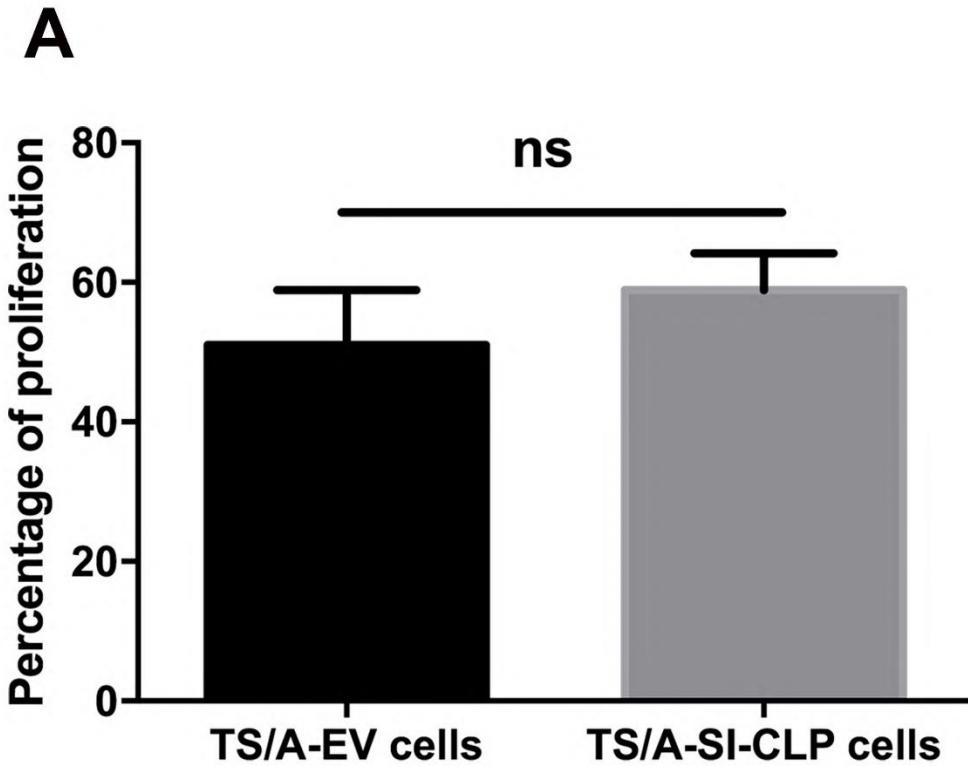
Clinical and pathological parameters	Number of patients	Negative expression of SI-CLP, N of patients (%)	Positive expression of SI-CLP, N of patients (%)	P value
Menstrual status				
Premenopausal	7	4 (15)	3 (11,5)	p=0,684*
Postmenopausal	45	22 (85)	23 (88,5)	
Size of tumors				
T1	23	11 (42)	12 (46)	
T2	24	14 (54)	10 (38,5)	p=0,438#
T3	1	0 (0)	1 (4)	
T4	4	1 (4)	3 (11,5)	
ER				
+	39	21 (81)	18 (69)	p=0,261*
-	13	5 (19)	8 (31)	
PR				
+	30	18 (69)	12 (46)	p=0,079*
-	22	8 (31)	14 (54)	
HER2				
0/+	40	21 (81)	19 (73,5)	
++	5	2 (8)	3 (11,5)	p=0,802#
+++	7	3 (11)	4 (15)	
Molecular subtype				
Luminal A	14	8 (31)	6 (24)	
Luminal B	26	14 (54)	12 (46)	p=0,427#
Triple-negative	7	3 (11)	4 (15)	
HER2-positive	5	1 (4)	4 (15)	
Degree of malignancy				
1	4	2 (8)	2 (8)	
2	40	21 (81)	19 (73)	p=0,743#
3	7	3 (11)	4 (15)	
4	1	0 (0)	1 (4)	
Lymph node metastasis				
Yes	23	15 (58)	8 (31)	p=0,053*
No	29	11 (42)	18 (69)	
Hematogenous metastasis				
Yes	5	1 (4)	4 (15)	p=0,158*
No	47	25 (96)	22 (85)	

P level—\*Fisher's exact test; #Chi-square test

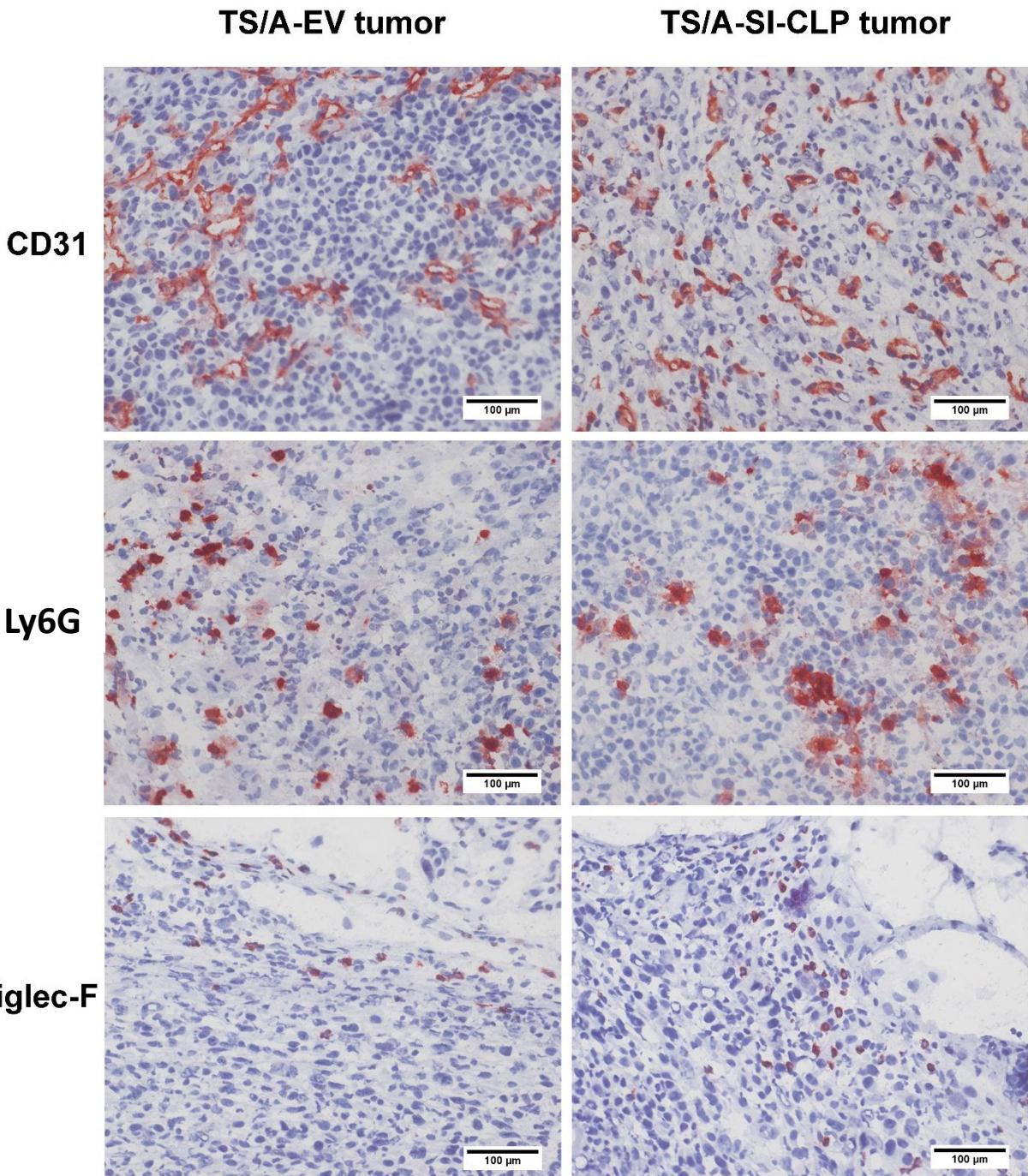
# Supplementary Figure 1



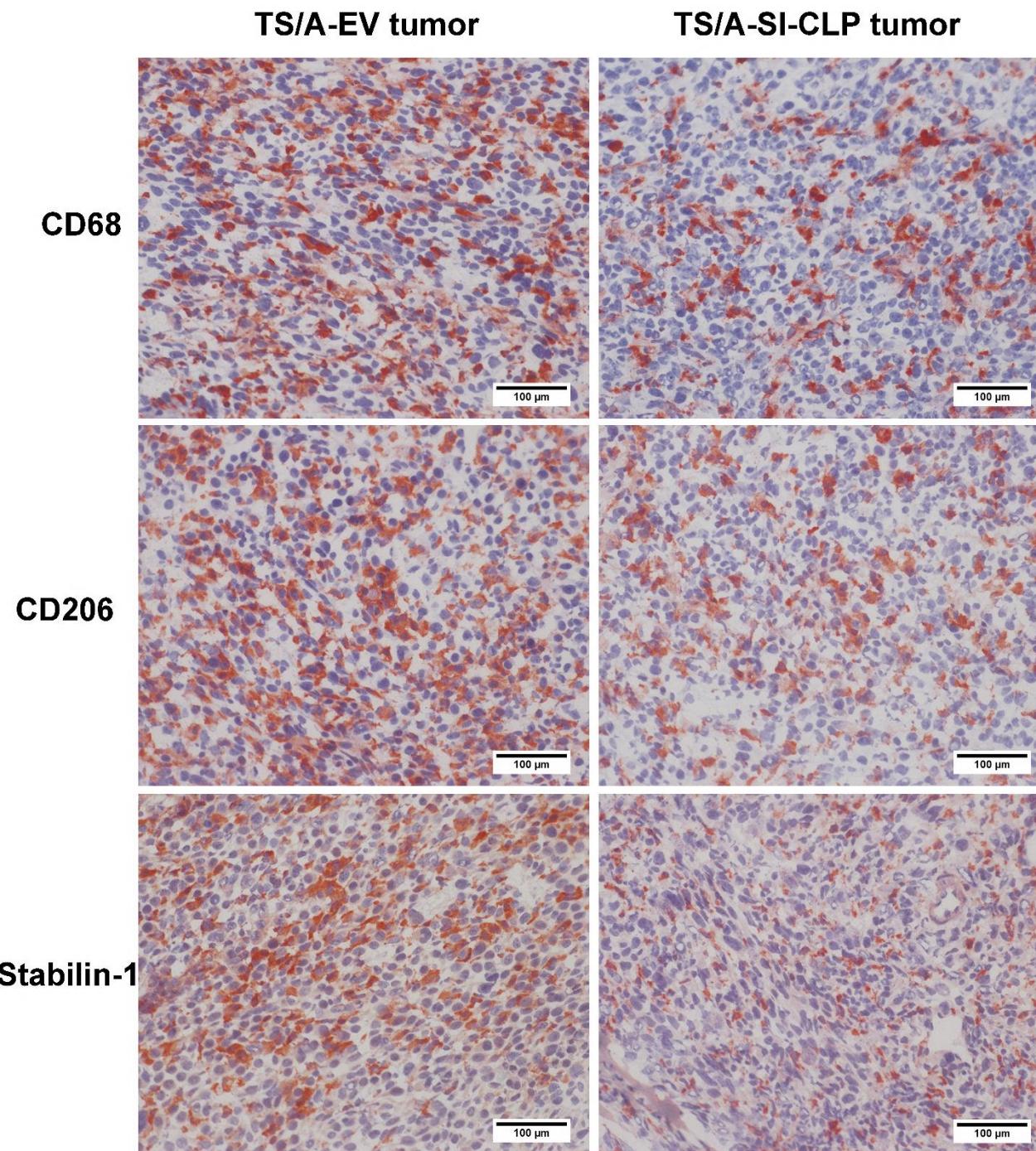
## Supplementary Figure 2



# Supplementary Figure 3



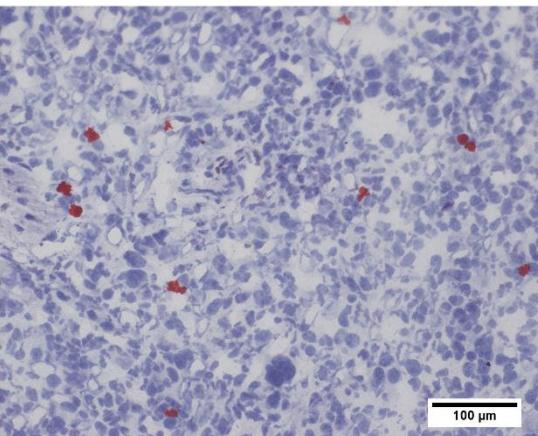
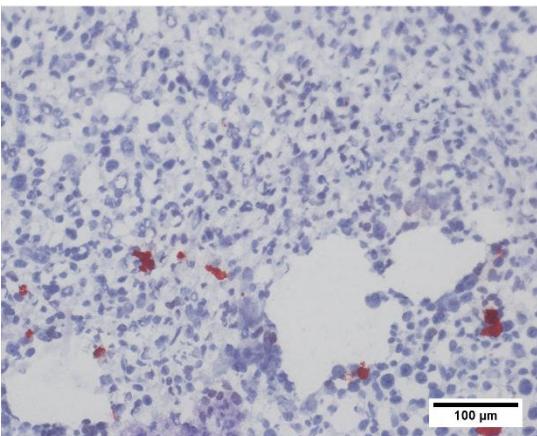
# Supplementary Figure 4



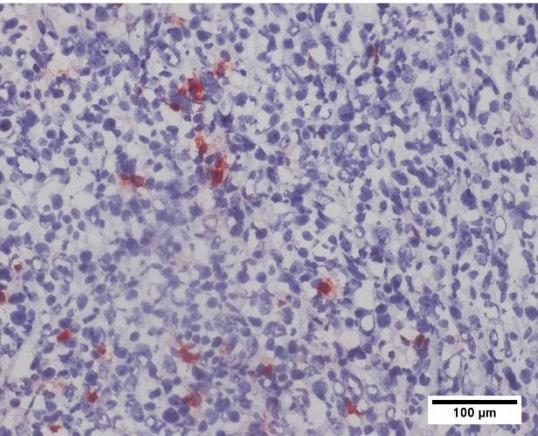
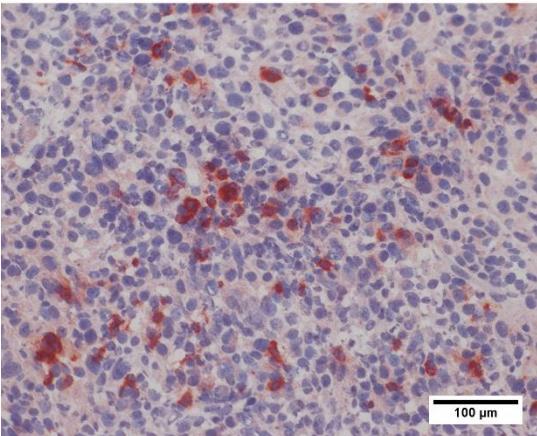
# Supplementary Figure 5

TS/A-EV tumor      TS/A-SI-CLP tumor

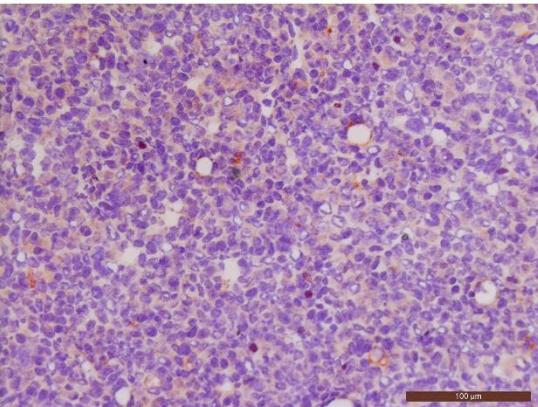
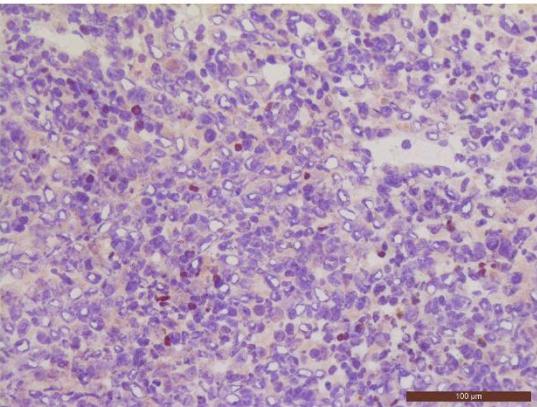
CD8



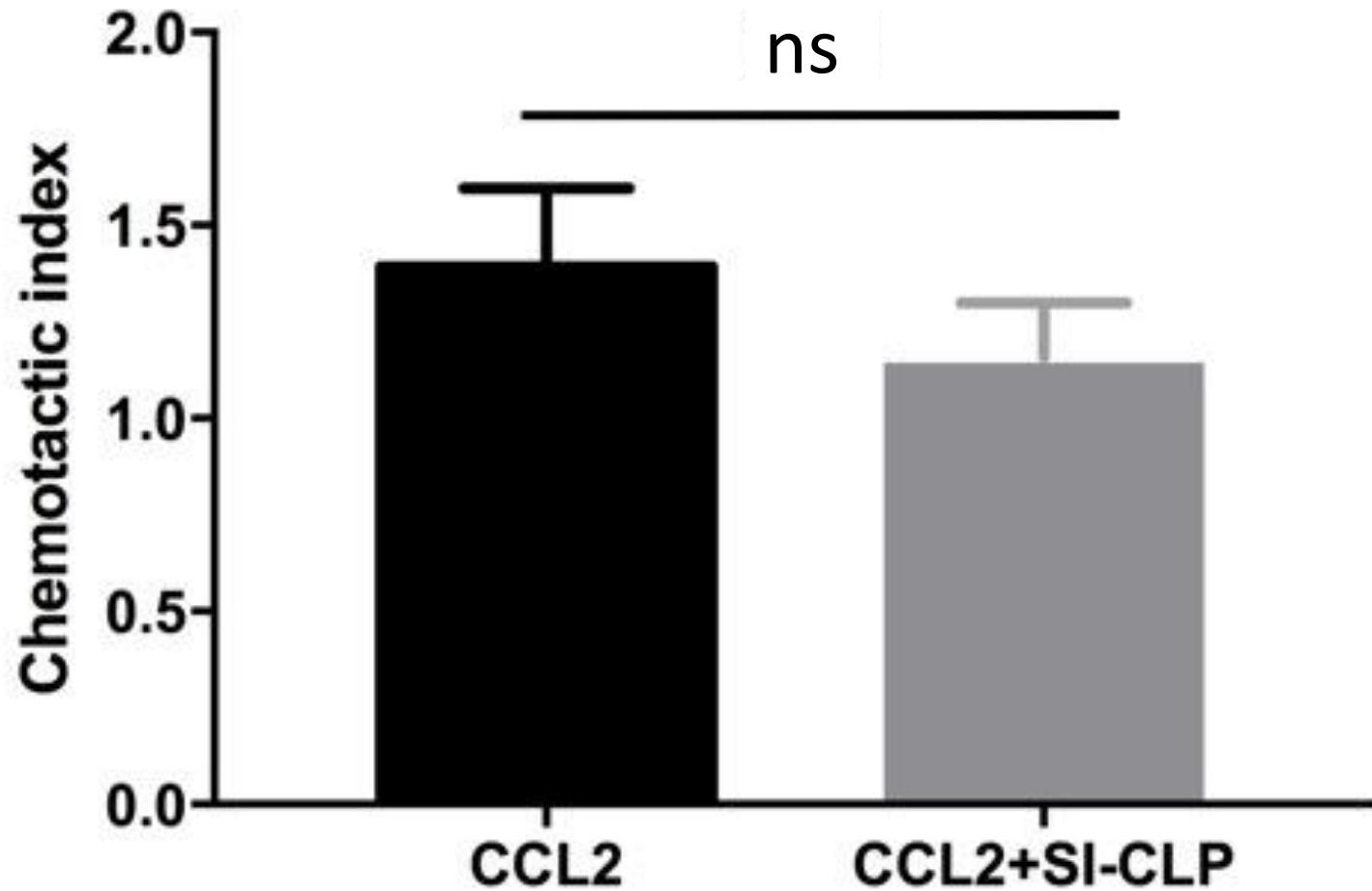
CD4



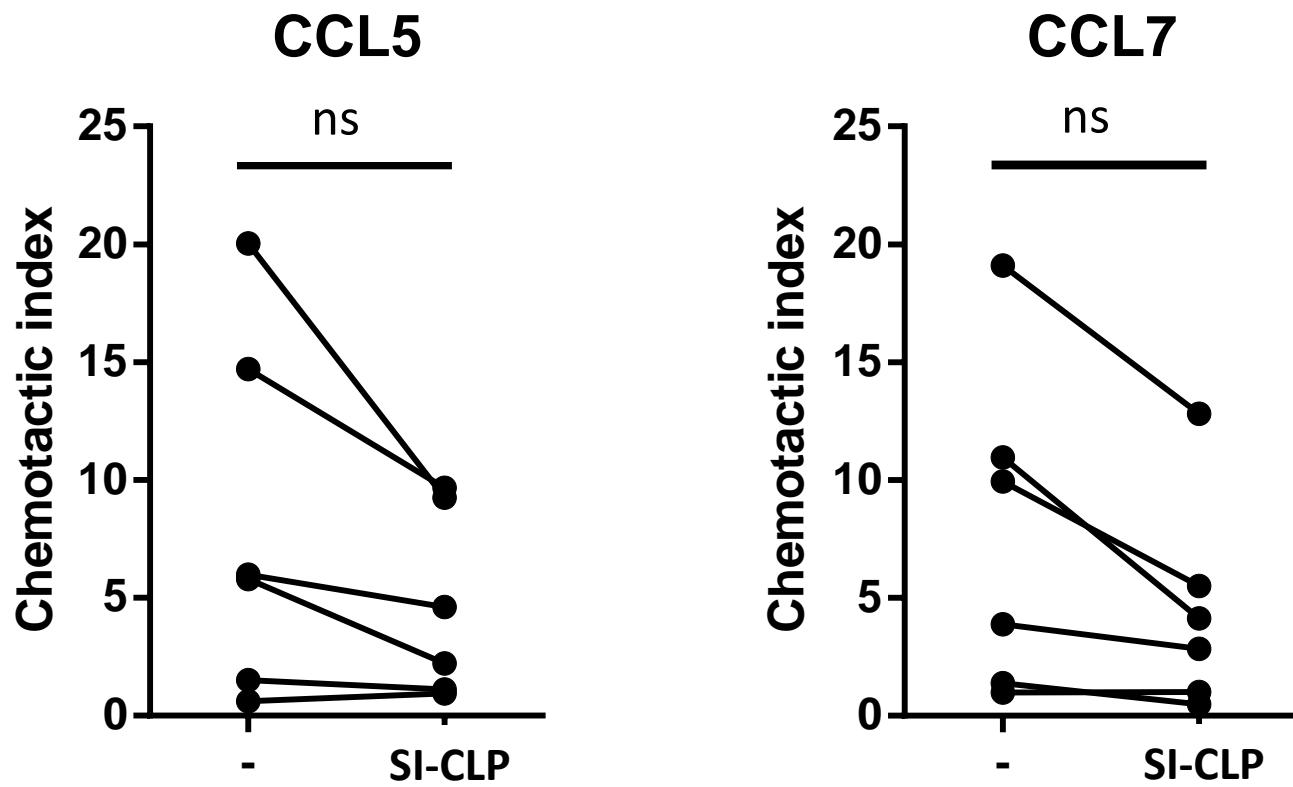
FoxP3



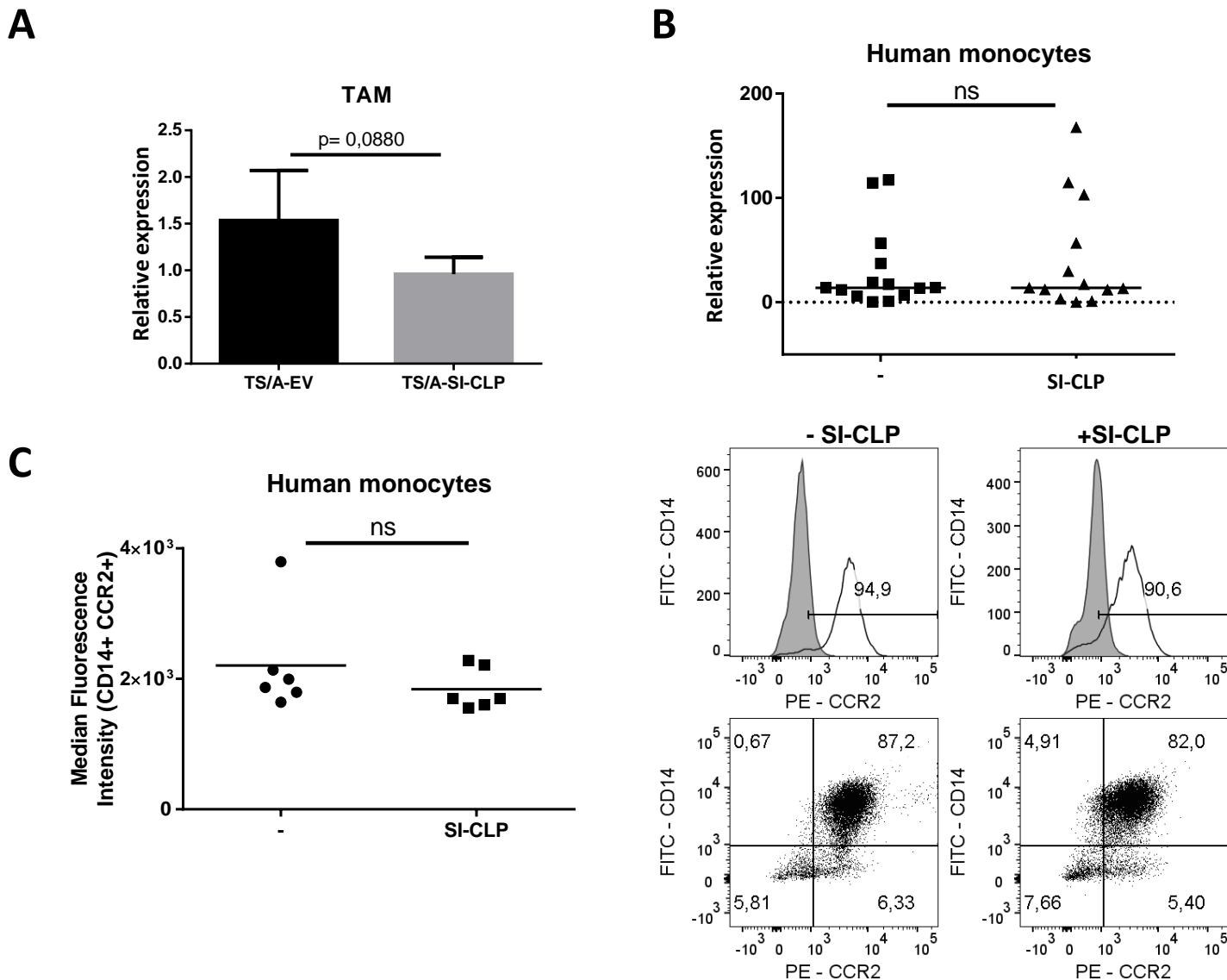
## Supplementary Figure 6



# Supplementary Figure 7



# Supplementary Figure 8



Supplementary Figure 9

