

Supplementary Table 1. Patient characteristics and relationship with Siglec-9+TAMs infiltration.

Characteristics	Fudan cohort (n =120)					TCGA (n =316)					Fresh HGSC tissues (n =40)				
	Patients		Siglec-9+TAMs cell infiltration		P	Patients		Siglec-9+TAMs signature		P	Patients		Siglec-9+TAMs cell infiltration		P
	No.	%	Low (<2 cells/HPF)	High (≥2 cells/HPF)		No.	%	Low (≤6.94478)	High (>6.94478)		No.	%	Low (≤median)	High (>median)	
Total	120	100	65	55	-	316	100	49	267	-	40	100	20	20	-
Age (years)					0.855					0.415					0.425
<60	60	50	33	27		162	51.3	140	22		25	62.5	15	10	
≥60	60	50	32	28		154	48.7	127	27		15	37.5	5	10	
Tumor residual (mm)					0.064					0.375					0.791
No macroscopic disease	45	37.5	30	15		57	18.0	50	7		26	65	12	14	
<10	47	39.2	24	23		150	47.5	122	28		11	27.5	6	5	
≥10	28	23.3	11	17		79	25.0	67	12		3	7.5	2	1	
Unknown	0	0	0	0		30	9.5	28	2		0	0	0	0	
Lymph node invasion					0.735					-					0.590
No Metastasis	91	75.8	48	43		-	-	-	-		14	35	8	6	
Metastasis	29	24.2	17	12		-	-	-	-		13	32.5	5	8	
Unknown	0	0	0	0		-	-	-	-		13	32.5	7	6	
FIGO stage					0.498					0.494					0.810
I	9	7.5	7	2		1	0.3	1	0		2	5	1	1	
II	17	14.2	8	9		14	4.4	10	4		5	12.5	2	3	
III	80	66.7	43	37		256	81	217	39		24	60	11	13	
IV	14	11.7	7	7		45	14.2	39	6		9	22.5	6	3	
Siglec-9 ligand										-					-
Low	53	16.8	29	24		-	-	-	-		-	-	-	-	
High	67	21.2	36	31		-	-	-	-		-	-	-	-	
PD-L1					0.762					2.36E-10					-
Negative	77	24.4	43	34		190	60.1	181	9		-	-	-	-	
Positive	43	13.6	22	21		126	39.9	86	40		-	-	-	-	

Abbreviations:

P values were calculated using the Chi-square test; significant P value < 0.05 was shown in bold.