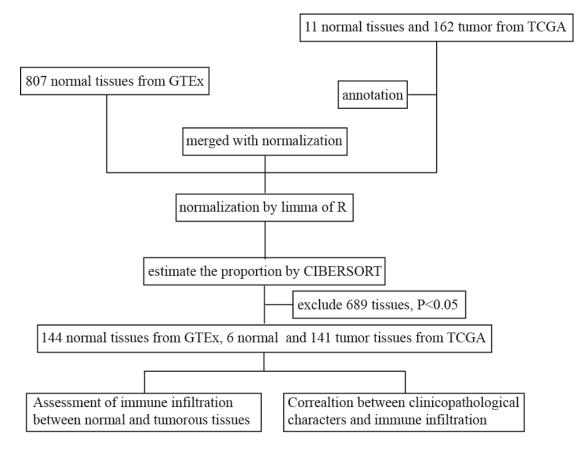
Supplementary Figure 1



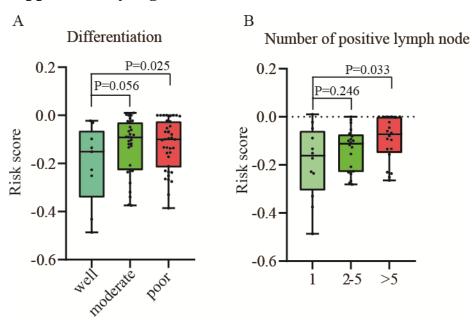
Supplementary Figure 1. the flow diagram of process.

Supplementary Figure 2

B cells naive B cells memory Plasma cells T cells CD8 T cells CD4 naive T cells CD4 memory resting T cells CD4 memory activated T cells CD4 memory activated T cells follicular helper T cells follicular helper T cells gamma delta NK cells resting NK cells resting NK cells activated Monocytes Macrophages M0 Macrophages M1 Macrophages M2 Dendritic cells resting Dendritic cells resting Mast cells resting Mast cells resting Mast cells activated	pvalue 0.987 0.305 0.144 0.460 0.784 0.331 0.120 0.537 0.886 0.704 0.957 0.222 0.723 0.729 0.729 0.717 0.510 0.197 0.161 0.321	Hazard ratio 1.000($0.953-1.049$) 1.458($0.710-2.997$) 0.957(0.903-1.015) 1.018($0.971-1.067$) NA(NA-NA) 0.994(0.956-1.035) 1.048($0.953-1.153$) 1.059($0.985-1.139$) 1.025($0.949-1.107$) 1.048($0.550-1.999$) 0.970(0.828-1.136) 0.997(0.906-1.098) 0.886(0.730-1.076) 0.990(0.934-1.049) 1.017($0.923-1.122$) 1.010($0.955-1.069$) 1.021($0.961-1.084$) 0.947(0.871-1.029) 0.947(0.878-1.022) 1.045($0.958-1.139$) 1.241($0.958-1.139$)	
Mast cells resting Mast cells activated Eosinophils	$0.161 \\ 0.321 \\ 0.261$	0.947(0.878-1.022) 1.045(0.958-1.139) 1.241(0.851-1.809)	
Neutrophils	0.779	1.021(0.881–1.184)	0.50 0.71 1.0 1.41 2.0 2.83 Hazard ratio

Supplementary Figure 2. Univariate Cox regression analysis of 22

infiltrated immune cells in EC. Hazard ratio was shown with 95% confidence intervals.



Supplementary Figure 3. (A) The distribution of the risk score in different differentiation degrees in the validation cohort. (B) The distribution of the risk score with various number of positive lymph nodes in the validation cohort.

Supplementary Figure 3