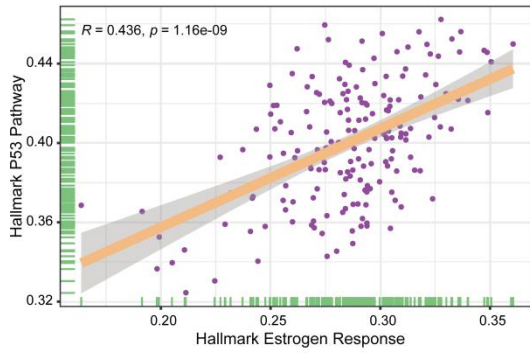
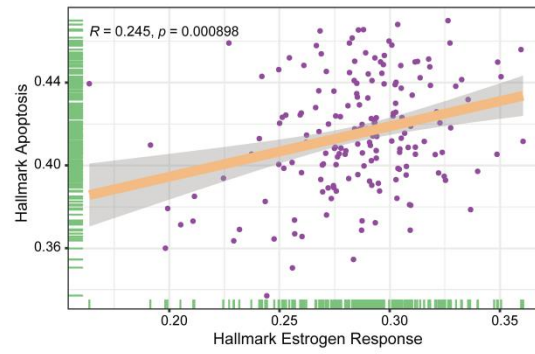


## **Supplementary material**

*Increased prognostic value of clinical-reproductive model in Chinese female patients with esophageal squamous cell carcinoma*

This supplementary file includes:

1. Supplementary Figure
2. Supplementary Table

**A****B**

**Supplemental Figure 1 Correlation between estrogen response and immune-related pathways in esophageal cancer from The Cancer Genome Atlas. A: P53 pathway; B: Apoptosis pathway.**

**Supplemental Table 1 Correlations between estrogen receptor levels and gene markers of immune cells via TIMER 2.0 database**

Description	Gene markers	ESR1		ESR2	
		Correlation	<i>P</i> value	Correlation	<i>P</i> value
B cell	CD19	0.126	0.0915	0.334	< 0.001 <sup>a</sup>
	CD79A	0.145	0.0514	0.281	< 0.001 <sup>a</sup>
TAM	CCL2	0.294	< 0.001 <sup>a</sup>	0.221	< 0.001 <sup>a</sup>
	CD68	0.098	0.192	0.114	0.127
	IL10	0.141	0.0597	0.158	0.0341
M1 Macrophage	IRF5	0.074	0.324	0.026	0.730
	PTGS2	0.032	0.675	0.152	0.0410
M2 Macrophage	CD163	0.282	< 0.001 <sup>a</sup>	0.141	0.0590
	VSIG4	0.337	< 0.001 <sup>a</sup>	0.083	0.266
	MS4A4A	0.381	< 0.001 <sup>a</sup>	0.139	0.0630
Neutrophils	CEACAM8	-0.031	0.680	0.066	0.377
	ITGAM	0.372	< 0.001 <sup>a</sup>	0.207	< 0.01 <sup>a</sup>
	CCR7	0.049	0.512	0.241	< 0.001 <sup>a</sup>

<sup>a</sup>*P* < 0.05.

ESR1: Estrogen receptor alpha; ESR2: Estrogen receptor beta; TAM: Tumor associated macrophage; CCL2: C-C Motif Chemokine Ligand 2; IRF5: Interferon Regulatory Factor 5; PTGS2: Prostaglandin-Endoperoxide Synthase 2; ITGAM: Integrin Subunit Alpha M; VSIG4: V-Set And Immunoglobulin Domain Containing 4; MS4A4A: Membrane Spanning 4-Domains A4A; CEACAM8: CEA Cell Adhesion Molecule 8; CCR7: C-C Motif Chemokine Receptor 7.