

Figure S1. Comparison of high- and low-risk groups in the test group. (A) OS and (B) PFS comparison between high- and low-risk score groups in the test cohort. (C) Risk score distribution in high- and low-risk groups. (D) Correlation analysis of OS and risk score. (E) Receiver operating characteristic curve of the signature at 1, 3 and 5 years in the test group. The AUC indicates the accuracy of prediction. (F) Calibration curve of the prediction at 1, 3 and 5 years in the test cohort. (G) BMI in the high- and low-risk groups. OS, overall survival; PFS, progression-free survival; AUC, area under the curve.

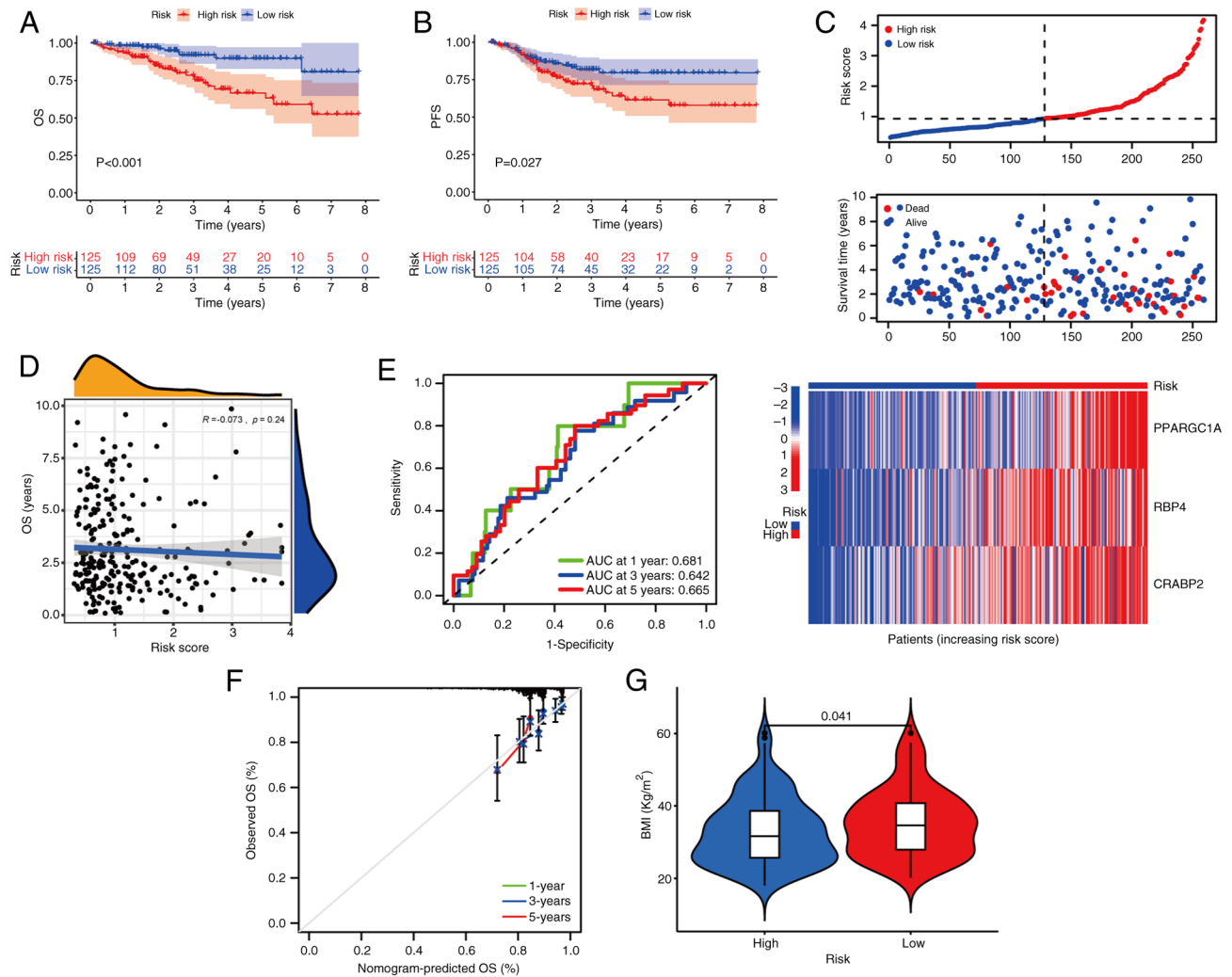


Figure S2. Characteristics of high- and low-risk groups based on all endometrial carcinoma samples. (A) OS and (B) PFS comparison between high- and low-risk score groups in all samples. (C) Risk score distribution in high- and low-risk groups. (D) Correlation analysis of OS and risk score. (E) Receiver operating characteristic curve of the signature at 1, 3 and 5 years in all samples. The AUC indicates the accuracy of prediction. (F) Calibration curve of the prediction at 1, 3 and 5 years. (G) BMI in the high- and low-risk groups. OS, overall survival; PFS, progression-free survival; AUC, area under the curve.

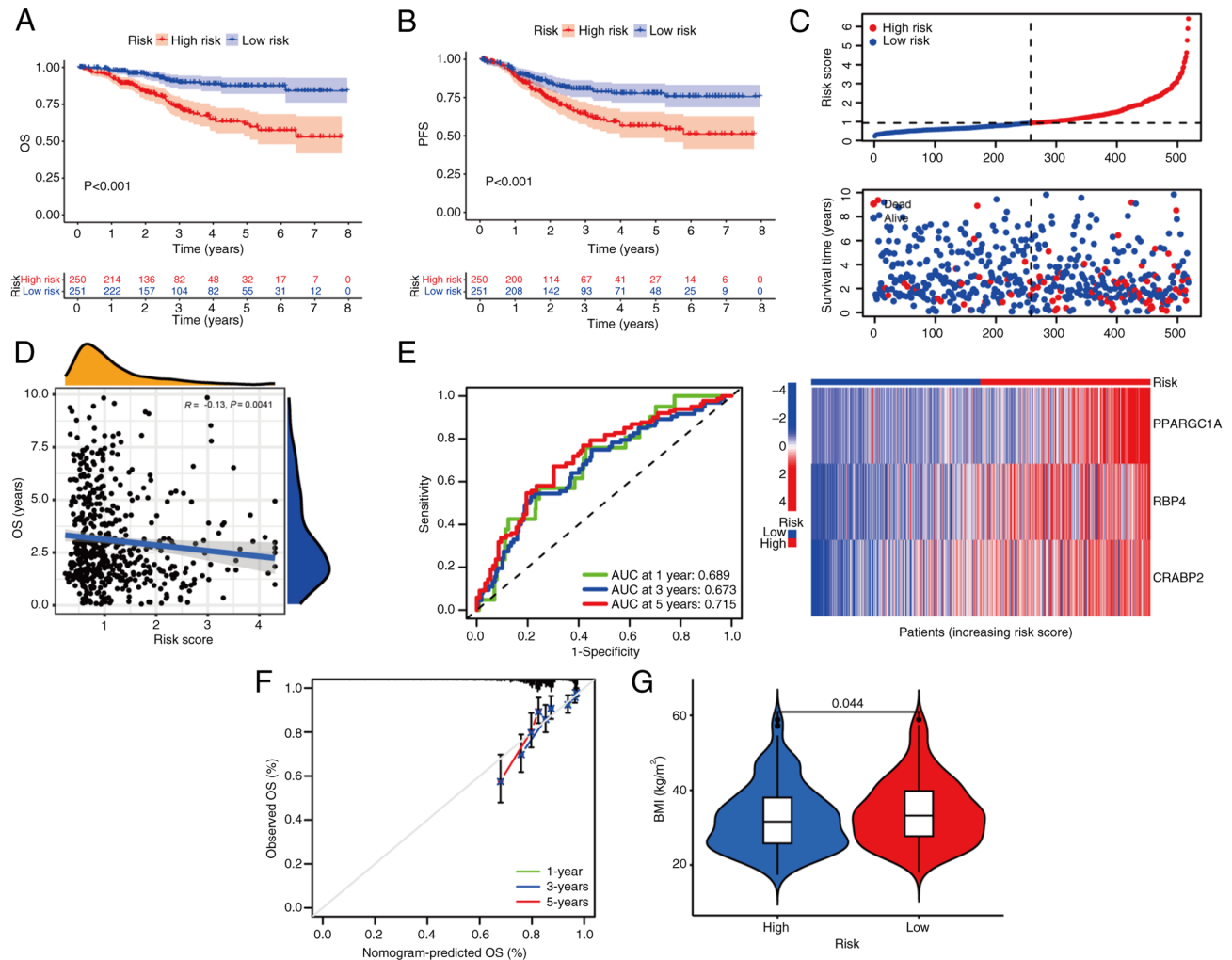


Figure S3. Immune prediction and enrichment analysis. (A) GO and (B) KEGG enrichment analysis of differential genes between groups. Violin plots of (C) T cells, (D) B lineage cells and (E) cytotoxic lymphocytes showing that their distribution, assessed using the R package MCPcounter, was significantly different between the high- and low-risk groups. Relationship between (F) macrophages, (G) B cells, (H) CD4 T cells, (I) CD8 T cells and (J) dendritic cells and risk score as calculated using Tumor Immune Estimation Resource. (K) Immune infiltration analysis based on CIBERSORT. (L) Immune cell content in each sample calculated by CIBERSORT. * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$. GO, Gene Ontology; KEGG, Kyoto Encyclopedia of Genes and Genomes; BP, biological process; MHC, major histocompatibility complex; Tregs, T cells regulatory; NK, natural killer.

