

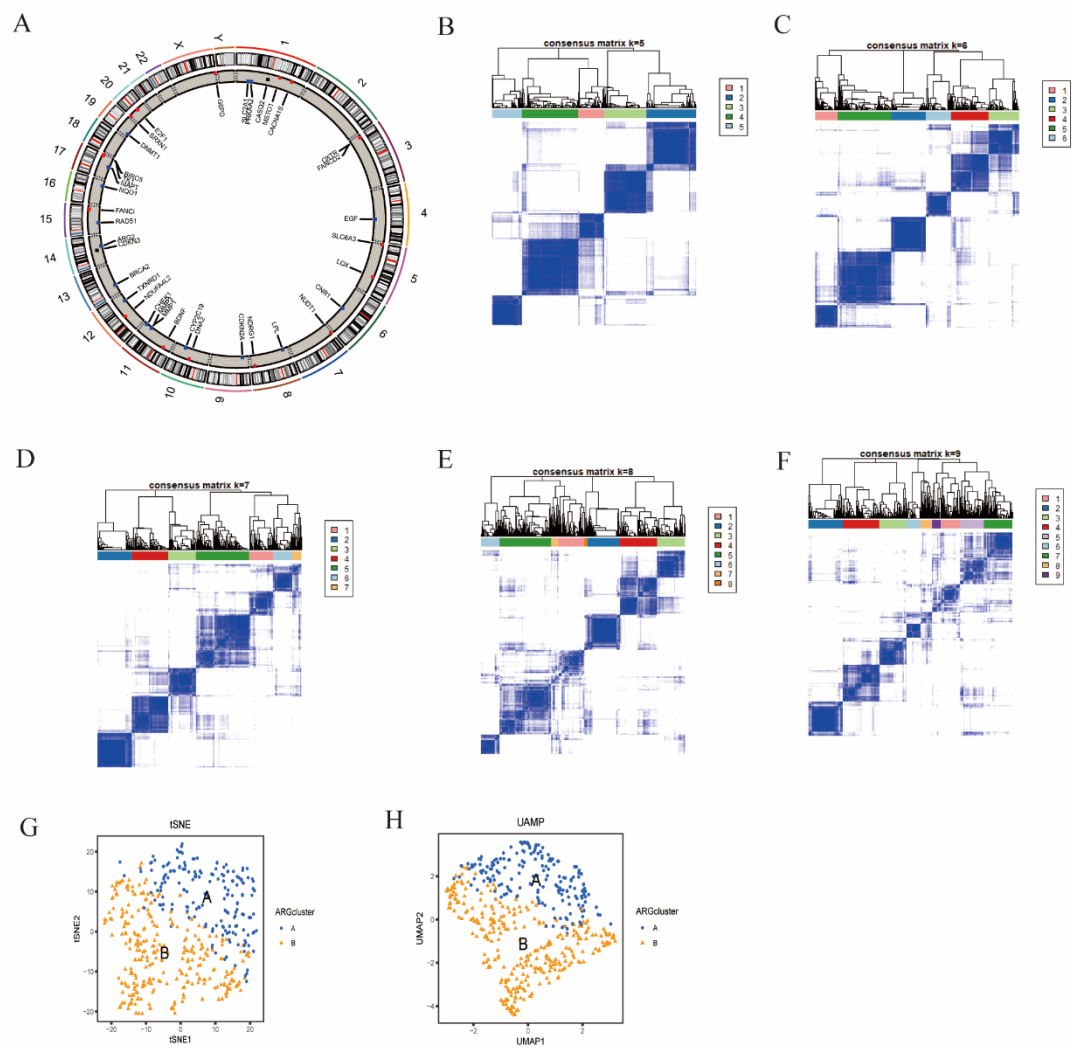


Figure S1 **A** Changes in chromosome regions and ANRGs. **B-F** Consensus clustering heatmap when $k = 5-9$. **G** t-distributed stochastic neighbor embedding (tSNE) plots of cluster A and cluster B. **H** Uniform Manifold Approximation and Projection (UMAP) plots of cluster A and cluster B.

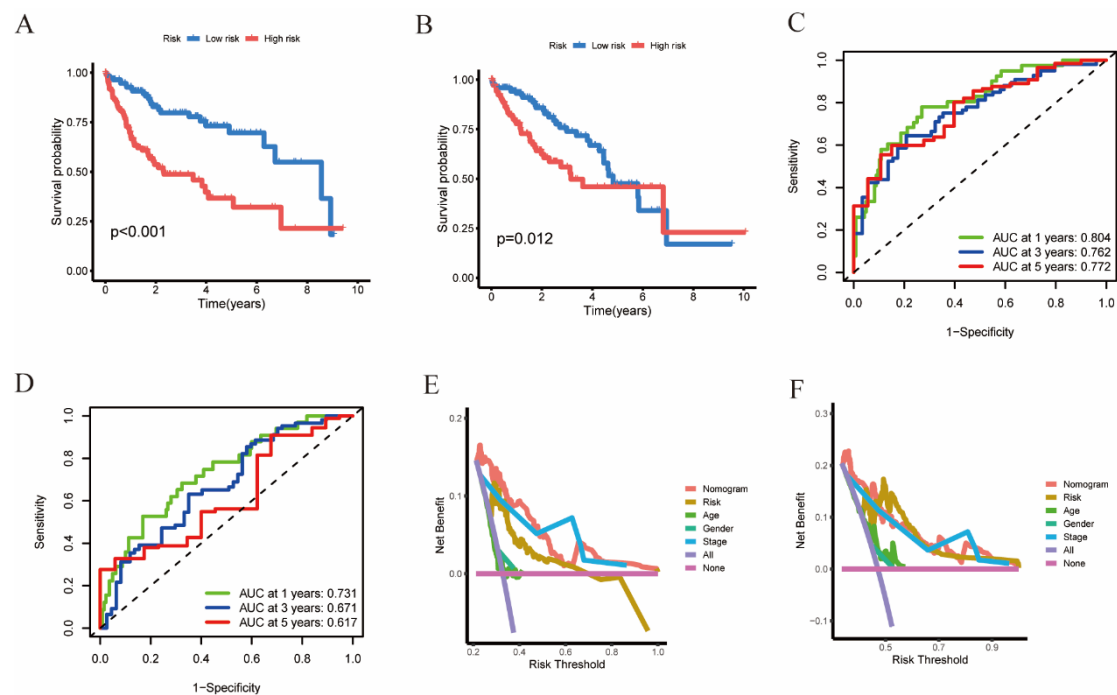


Figure S2 A-B The survival curves for the training and test sets. **C-D** The ROC curves for the training and test sets. **E-F** The 3-year and 5-year DCA curves for the nomogram model.

Table S1. Primer sequences of 9 hub genes and reference gene

Gene	F Sequence	R Sequence
CYP2C19	TGTGGTCCTTGTGCTCTGTCTC ACAGAAGAGGAGCTGGTGGAG	CGGTCCTCAATGCTCCTCTTCC CAGTAGGCAACGAGCAGAGGA
CASQ2	T GCCGCCGACCAAAGAAGAGAT	A
LPL	T	TGACAGCCAGTCCACCACAATG
TXNRD1	ACCGATCTGCCCCGTTGTGTTTG	ACCTCCTGAGCCACCTCCAATG
CACNA1	ACCAGTCGGAGCAGATGAACC	GACACGGAACAGGCGGAAGAA
S	A TCAGCGACGACATCCAGCAGA	G ACCACGACCACGAACAGGAGA
SLC6A3	T	A
OXTR	GTGGCGGTGCTGTGTCTCAT	CGGCGATGCTTAGGTGCTTCA
BIRC5	TCTCAAGGACCACCGCATCTCT AGATGTGGAGTGCCTGATGTG	CCAAGTCTGGCTCGTTCTCAGT
MMP1	G	GCTTGACCCTCAGAGACCTTGG
GAPDH	TGGCACCGTCAAGGCTGAGAA	TGGTGAAGACGCCAGTGGACTC