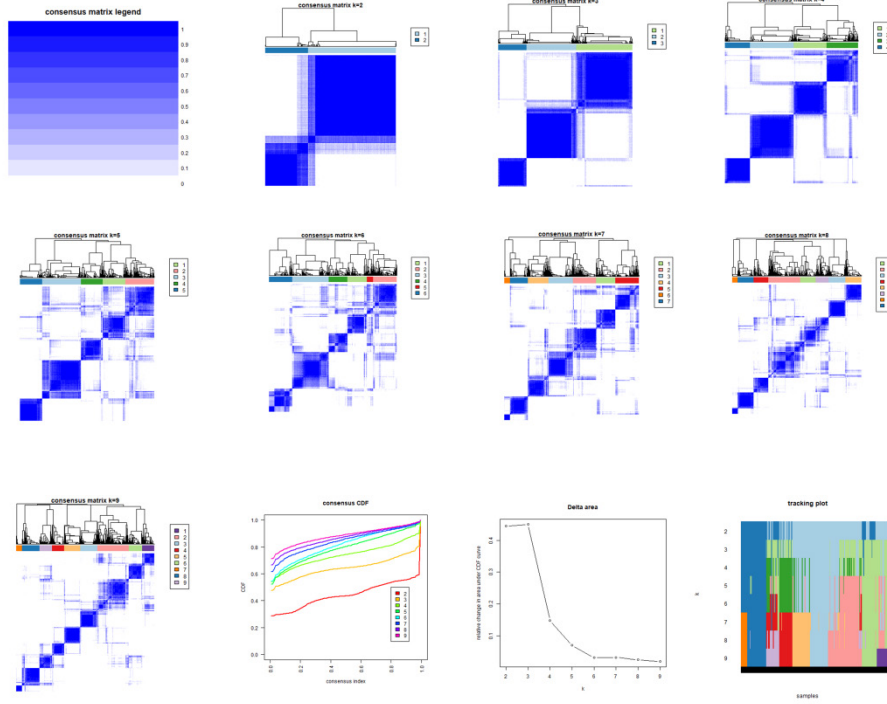
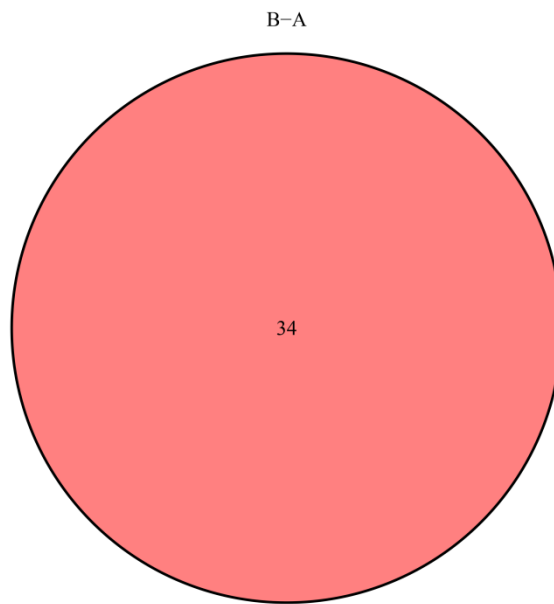


Supplementary Material

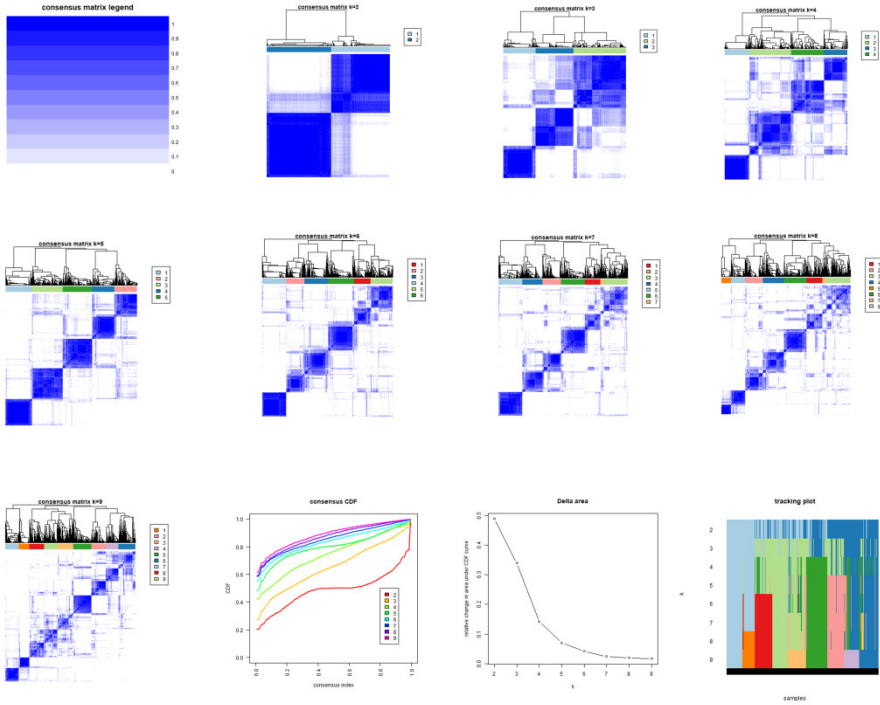
Supplementary Figure 1. Clustering analysis of cuproptosis-associated genes.



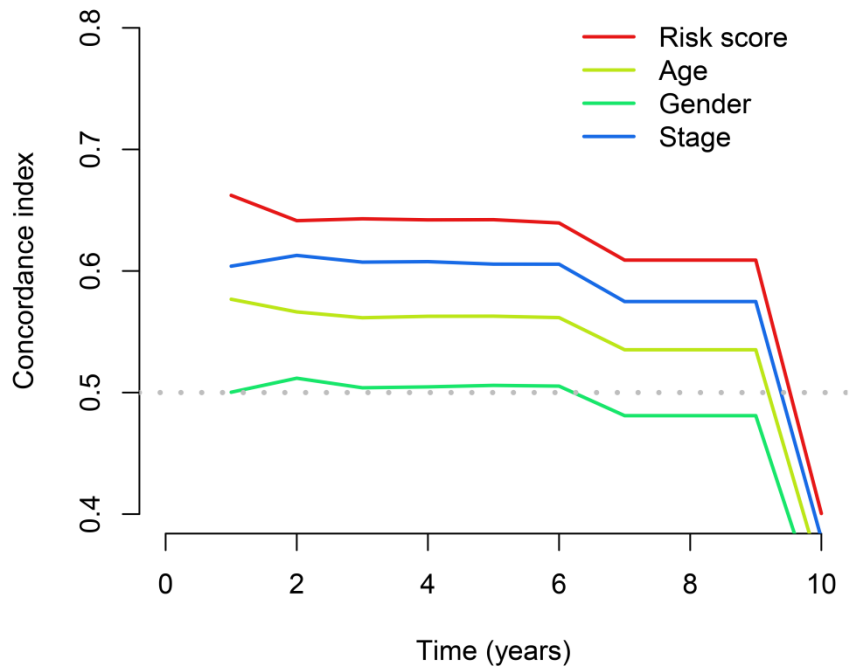
Supplementary Figure 2. Venn diagram of significantly differentially expressed genes in cuproptosis typing.

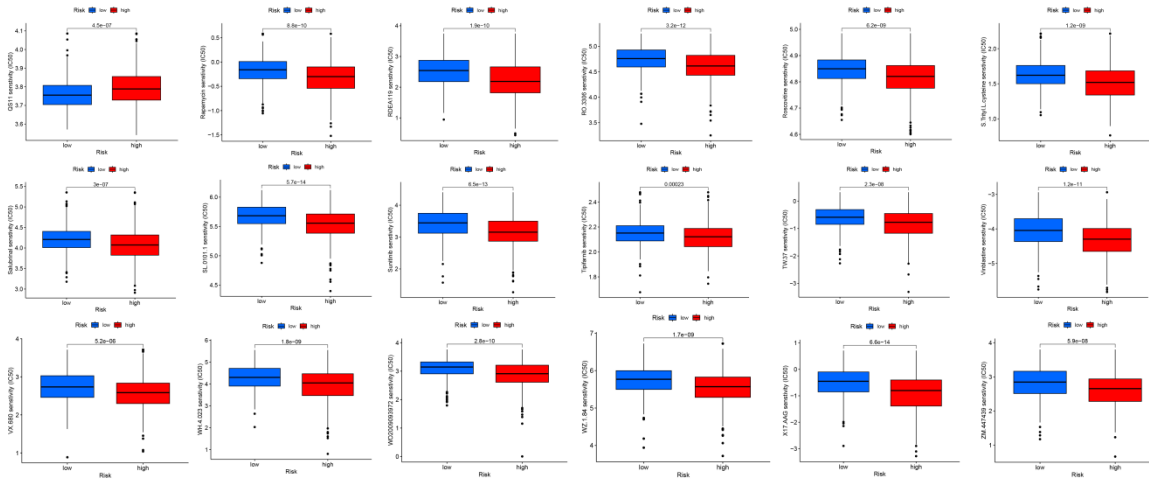


Supplementary Figure 3. Clustering analysis of differentially expressed genes.

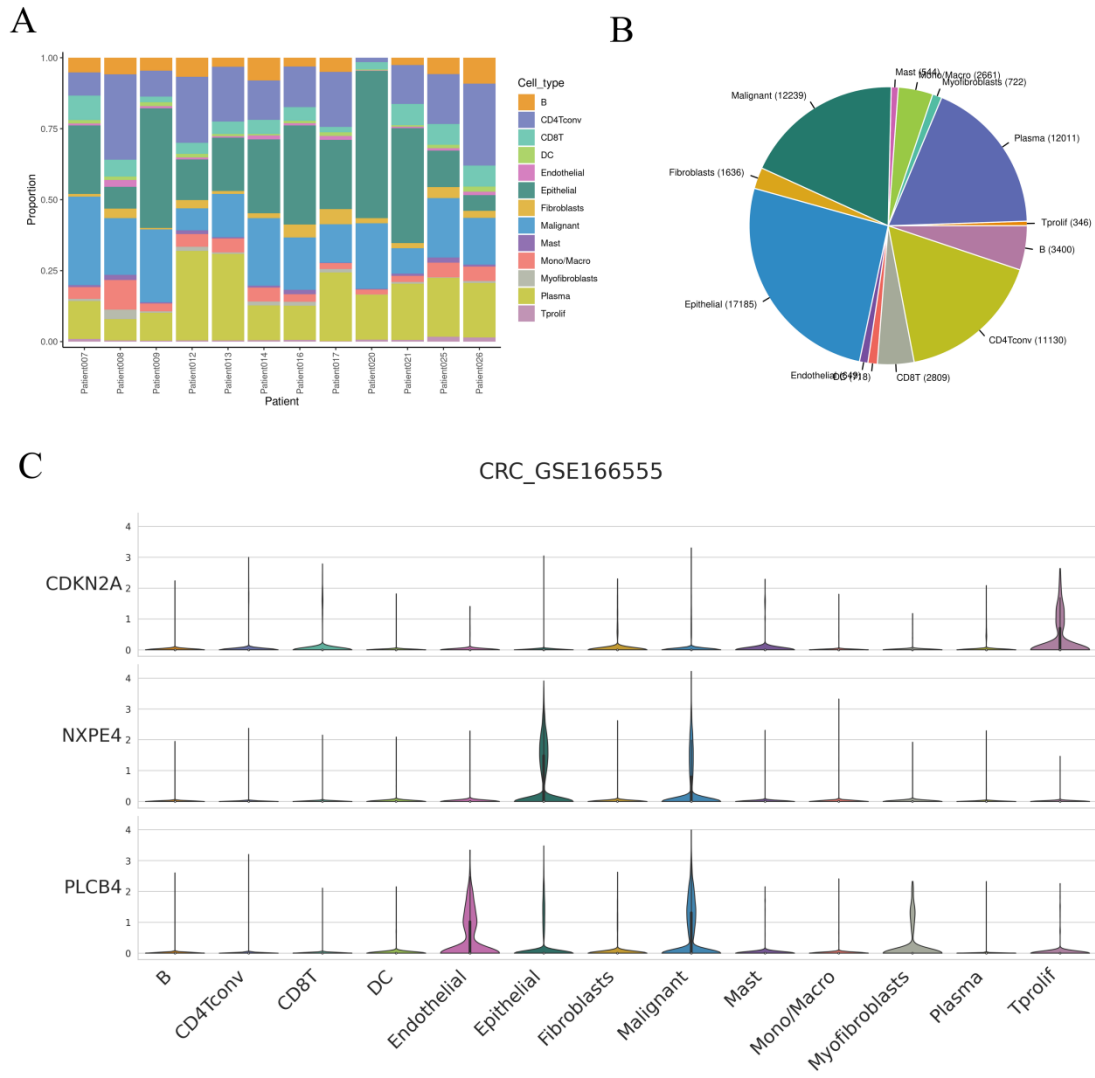


Supplementary Figure 4. Changes in the concordance index for survival prediction between risk models and different clinical factors.





Supplementary Figure 6. A-B Proportions of different cell types in single-cell analysis. C Violin plot of single-cell expression of hub genes.



Supplementary Table 1. Primers

Gene symbol	Primer sequence
<i>CDKN2A</i>	F:CGATGTCGCACGGTACCTG R:GACCTTCCGCGGCATCTATG
<i>PLCB4</i>	F:GCATGATGGAAGCTGGAGAA R:CTTCCTCCTCTTGGTCAGCA
<i>NXPE4</i>	F:AGATCCCACCCAGACCTTTC R:CCTGCAGTACGTATCTCGAG
