



Figure S14. Multivariable Cox regression analysis for CNA signatures.

A. Forest plot of the multivariable Cox proportional hazards model including all seven CNA signatures (scSig1–scSig7). The plot shows the hazard ratio (HR) and 95% confidence interval (CI) for each signature. HR values >1 indicate increased risk of death (adverse prognosis), while HR <1 indicates protective associations.

B. Kaplan–Meier survival curves based on combined stratification of scSig4 and scSig6 using optimal cutoffs. P-value derived from log-rank test.