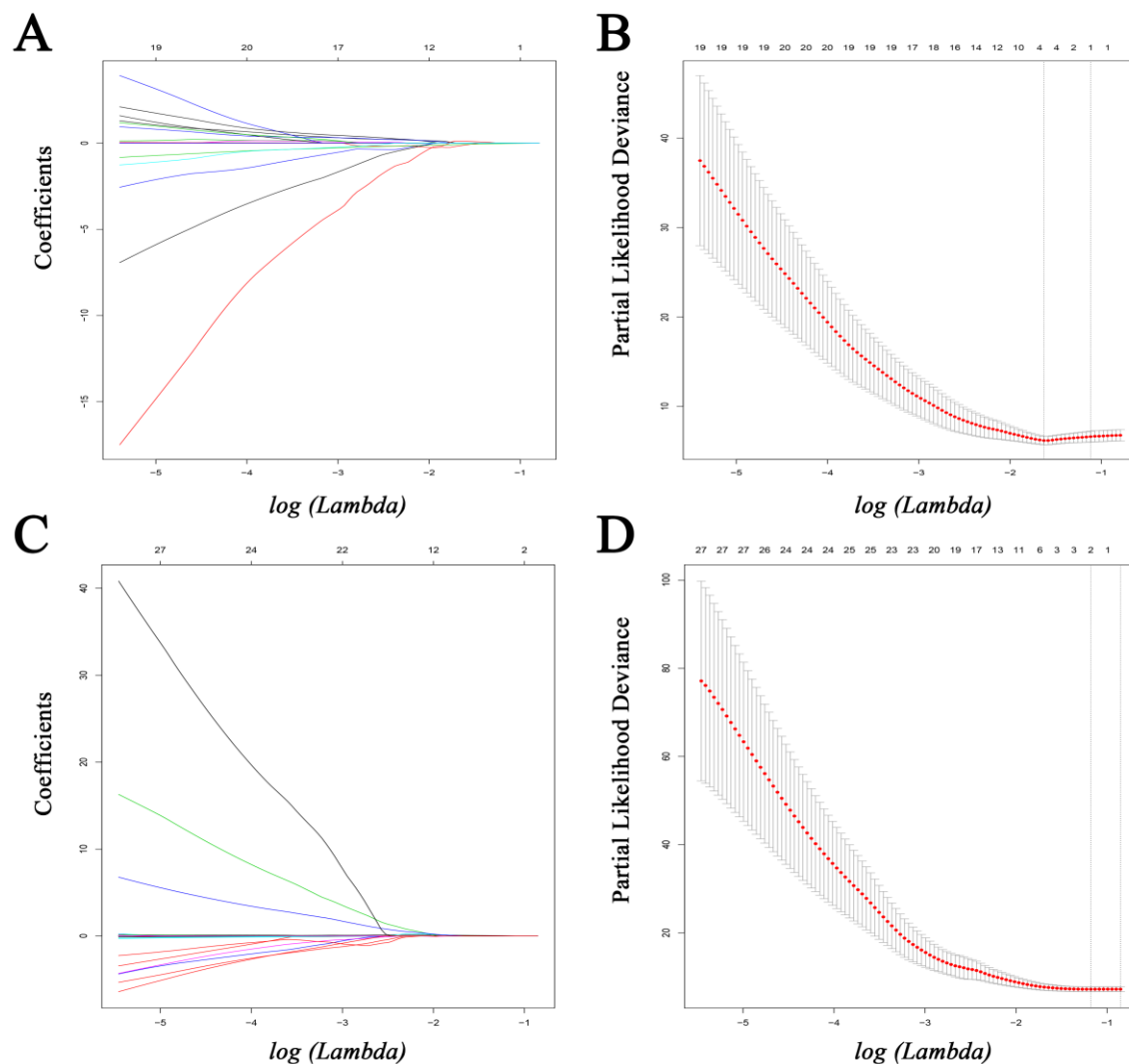


## Supplementary Figure 1



**Supplementary Figure 1** Feature selection using the least absolute shrinkage and selection operator (LASSO) Cox regression model. A. LASSO coefficient profiles of variables against the  $\log(\text{Lambda})$  sequence for OS. B. The tuning parameter ( $\text{Lambda}$ ) selection in the LASSO model used 10-fold cross-validation via minimum criteria for OS. C. LASSO coefficient profiles of 48 variables against the  $\log(\text{Lambda})$  sequence for OS. D. The tuning parameter ( $\text{Lambda}$ ) selection in the LASSO model used 10-fold cross-validation via minimum criteria for OS. OS, overall survival; PFS, progression-free survival.