

Table S1 Coefficients and formula of the MYC pathway-related prognostic model

| Gene | Coefficient (β) | Direction |
|--------------|-------------------------|-----------|
| <i>PRDX4</i> | 0.2287 | ↑ |
| <i>KPNB1</i> | 0.4214 | ↑ |
| <i>DEK</i> | 0.2513 | ↑ |
| <i>ABCE1</i> | -0.2371 | ↓ |
| <i>ODC1</i> | -0.0905 | ↓ |
| <i>GLO1</i> | 0.0385 | ↑ |
| <i>MCM5</i> | 0.5062 | ↑ |
| <i>CCNA2</i> | -0.3790 | ↓ |

The prognostic risk score was calculated as: risk score = $(0.2287 \times PRDX4) + (0.4214 \times KPNB1) + (0.2513 \times DEK) - (0.2371 \times ABCE1) - (0.0905 \times ODC1) + (0.0385 \times GLO1) + (0.5062 \times MCM5) - (0.3790 \times CCNA2)$. Patients were dichotomized into high- and low-risk groups according to the median risk score. ↑ indicates a positive association with increased risk (risk factor); ↓ indicates a negative association with risk (protective factor). β , regression coefficient derived from the LASSO model. LASSO, least absolute shrinkage and selection operator.