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| Survival analysis | Kaplan-Meier analysis |
| Diagnostic analysis | Receiver Operating Characteristic (ROC) |
| Analysis of clinical prognostic significance | Single-multifactor Cox regression analysis |
| Prognostic prediction | Multifactor Cox regression analysis |
| Integrated differentially expressed Genes (DEGs) | R package: DESeq2 |
| Protein interaction Network (PPI) | R package: igraph |
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