**Supplementary figures:**









**Correlation between CD44 and clinicopathologic features**

**(age, gender, stage, grade, TNM-staging)**







**Correlation between HK3 and clinicopathologic features**

**(age, gender, stage, TNM-staging)**

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**Correlation between IDUA and clinicopathologic features**

**(age, gender, stage, grade, TNM-staging)**

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**Correlation between KIF20A and clinicopathologic features**

**(age, gender, stage, grade, TNM-staging)**









**Correlation between RBCK1 and clinicopathologic features**

**(age, gender, stage, grade, TNM-staging)**







**Correlation between TGFA and clinicopathologic features**

**(age, gender, stage, grade, TM-staging)**







**Correlation between risk score and clinicopathologic features**

**(age, stage, grade, TNM-staging)**