Supplementary table 1: The relationship between the comorbidities and MNX1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complications** | **Number of cases** | **MNX1 Expression** | | ***P*-value** |
| **Low** | **High** |
| **Hypertension**  Female  Male |  |  |  |  |
| 2 | 1 | 1 | 1.000 |
| 4 | 1 | 3 |  |
| **Type 2 Diabetes Mellitus**  Female  Male |  |  |  |  |
| 1 | 0 | 1 | 1.000 |
| 3 | 1 | 2 |  |
| **Coronary Heart Disease**  Female  Male |  |  |  |  |
| 1 | 0 | 1 | 1.000 |
| 2 | 1 | 1 |  |

Supplementary table 2: The relationship between the comorbidities and E2F4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Complications** | **Number of cases** | **E2F4 Expression** | | ***P*-value** |
| **Low** | **High** |
| **Hypertension**  Female  Male |  |  |  |  |
| 2 | 1 | 1 | 1.000 |
| 3 | 1 | 2 |  |
| **Type 2 Diabetes Mellitus**  Female  Male |  |  |  |  |
| 1 | 0 | 1 | 1.000 |
| 3 | 1 | 2 |  |
| **Coronary Heart Disease**  Female  Male |  |  |  |  |
| 1 | 0 | 1 | 1.000 |
| 3 | 1 | 2 |  |

Supplementary table 3: The relationship between the clinical parameters and MNX1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristics** | **Number of cases** | **MNX1 Expression** | | ***P*-value** |
| **Low** | **High** |
| **Gender**  Female  Male |  |  |  |  |
| 3 | 2 | 1 | 0.523 |
| 9 | 3 | 6 |  |
| **Clinical Stage**  Ⅰ-Ⅱ  Ⅲ-Ⅳ |  |  |  |  |
| 8 | 5 | 3 | 0.081 |
| 4 | 0 | 4 |  |
| **T classification**  T1-T2  T3-T4 |  |  |  |  |
| 1 | 0 | 1 | 1.000 |
| 11 | 5 | 6 |  |
| **N classification** |  |  |  |  |
| N0 | 8 | 5 | 3 | 0.081 |
| N1-N2 | 4 | 0 | 4 |  |
| **M classification** |  |  |  |  |
| M0 | 11 | 5 | 6 | 1.000 |
| M1 | 1 | 0 | 1 |  |

Supplementary table 4: The relationship between the clinical parameters and E2F4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristics** | **Number of cases** | **E2F4 Expression** | | ***P*-value** |
| **Low** | **High** |
| **Gender**  Female  Male |  |  |  |  |
| 3 | 2 | 1 | 0.236 |
| 9 | 2 | 7 |  |
| **Clinical Stage**  Ⅰ-Ⅱ  Ⅲ-Ⅳ |  |  |  |  |
| 8 | 4 | 4 | 0.208 |
| 4 | 0 | 4 |  |
| **T classification**  T1-T2  T3-T4 |  |  |  |  |
| 1 | 0 | 1 | 1.000 |
| 11 | 4 | 7 |  |
| **N classification** |  |  |  |  |
| N0 | 8 | 4 | 4 | 0.208 |
| N1-N2 | 4 | 0 | 4 |  |
| **M classification** |  |  |  |  |
| M0 | 11 | 4 | 7 | 1.000 |
| M1 | 1 | 0 | 1 |  |