**Supplementary table 3.** The correlations of PRDXs mRNA expression with clinical indexes-gender were analyzed by UALCAN database.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Comparison** | **Statistical significance** | | | | | |
| PRDX1 | PRDX2 | PRDX3 | PRDX4 | PRDX5 | PRDX6 |
| Normal vs Male | 1.62E-12 | 1.62E-12 | 8.18E-01 | 7.14E-03 | 1.62E-12 | 8.55E-11 |
| Normal vs Female | 4.67E-11 | 1.63E-12 | 1.62E-01 | 7.39E-01 | 1.62E-12 | 3.36E-03 |
| Male vs Female | 3.99E-05 | 2.94E-02 | 2.28E-01 | 7.10E-03 | 2.07E-01 | 5.09E-02 |

Red indicates a statistically significant correlation.