**Table S8 Comparison between the results of UroCAD and cytology tests in training cohort.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Category\* | CytologyNegative | CytologyPositive |
| **UroCAD** | - | 8 | 0 |
| + | 7 | 0 |
| ++ | 3 | 0 |
| +++  | 20 | 14 |

\* UroCAD strong positive test was marked with ‘+++’, medium positive test ‘++’, weak positive ‘+”, and negative ‘-‘. They were defined as at least 3 chromosome arms with |Z|>=3.21, 2 chromosome arms with |Z|>=3.21, 1 chromosome arm with |Z|>=3.21 and no chromosome arm with |Z|>=3.21, respectively.