**Table S1.** **Chi-square test for the total mutation and the top 3 genes (TP53, TTN, MUC16) with the highest mutation frequency.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Gene** | **Group** | | ***P* value** |
| **High-risk** | **Low-risk** |
| Total mutation | 215 | 206 | 0.092 |
| Total wild | 21 | 33 |
| TP53 mutation | 111 | 96 | 0.131 |
| TP53 wild | 125 | 143 |
| TTN mutation | 104 | 91 | 0.184 |
| TTN wild | 132 | 148 |
| MUC16 mutation | 85 | 98 | 0.263 |
| MUC16 wild | 151 | 141 |