**Supplementary File 2**

**Enforced TAp63 expression1 reduces UV- and H2O2-DNA damage2 induced mutations3 in MIBC (T24 & HT1197) cells.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Cell Type |  | Stable Transfectant | Treatment | Mutant colonies /  Total colonies | | Mutation Frequency (X104) | |
| T24 | Vector | | Control | 6/17424 | 3.4 | |
| UV | 370/9440 | 391.9 | |
| H2O2 | 160/5040 | 317.5 | |
| TAp63 | | Control | 12/38560 | 3.1 | |
| UV | 310/25120 | 123.4 | |
| H2O2 | 550/37120 | 148.2 | |
| HT1197 | Vector | | Control | 10/26220 | 3.6 | |
| UV | 368/23184 | 158.7 | |
| H2O2 | 360/8820 | 408.2 | |
| TAp63 | | Control | 15/47350 | 3.2 | |
| UV | 143/15352 | 92.8 | |
| H2O2 | 239/10488 | 228 | |

1 The stable transfectants were constructed as described in **Fig. 2**.

2 Plasmid pSB189 DNAs which contain the *supF* gene were irradiated with UVC (1500 J/m2) or modified with H2O2 (100 mM, 1 h at 37 oC).

3 Mutations in the *supF* gene were detected as in **Fig. 1**.