|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Control** | **Mutant Strain** | **S1 N.C.2** | **S1 O3** | **S2 N.C.2** | **S2 O3** | **S3 N.C.2** | **S3 O3** | **S4 N.C.2** | **S4 O3** |
| Wild Type | p53A-B- | 0.0163 | 0.0193 | 0.02 | 0.02 | 0.17 | 0.17 | 0.04 | 0.04 |
| Wild Type | p53A-B+ | 0.42 | 0.05 | 1 | 1 | 1 | 1 | 1 | 1 |
| Wild Type | p53A+B- | 0.0001 | 0.0001 | N.D.3 | 0.0011 | 1 | 1 | 1 | 1 |
| Wild Type | okra-; p53A+B+ | 0.1192 | 0.0002 | 0.154 | 0.0013 | 0.05 | 0.06 | N.D | N.D. |
| Wild Type | okra-; p53A-B- | 0.0071 | 0.0028 | 0.0003 | N.D | 0.0002 | 0.0008 | 0.0138 | 0.0005 |
| Wild Type | okra-; p53A-B+ | N.D. | 0.0001 | N.D. | N.D | N.D. | 0.0028 | N.D. | 0.0121 |
| Wild Type | okra-; p53A+B- | N.D. | 0.0001 | N.D. | N.D | N.D. | N.D. | N.D. | N.D. |
| okra- | okra-; p53A-B- | 0.9579 | 0.0054 | 0.0299 | 0.1295 | 0.0002 | 0.0185 | 0.0026 | 0.0001 |
| okra- | okra-; p53A-B+ | 0.7381 | 0.2366 | 0.154 | 0.2366 | 0.05 | 0.06 | N.D | 0.0012 |
| okra- | okra-; p53A+B- | 0.1959 | 0.2366 | 0.0653 | 0.2366 | 0.0005 | 0.0411 | N.D. | N.D. |

Supplemental File 1. p values for frequency of nurse cells and oocytes with DNA breaks1

1: Related to Figures 6 and 7, p values calculated using unpaired student's t test

2 N.C: Nurse cells

3:N.D.: Not Determined since SEM is zero