Supporting Table S4**:**

|  |  |
| --- | --- |
| Time of Complete Medium Addition after SC Disassembly (mins) | *PGAL1,10-NDT80/ PGAL1,10-NDT80* Cell-cycle outcome |
| 0 | 100% Returned to Mitosis |
| 10 | 99% Returned to Mitosis  1% Arrested in Meiosis I |
| 20 | 42% Returned to Mitosis  19% Finished Meiosis  36% Budded after Meiosis I  1% Arrested after Meiosis I  2% Arrested after Meiosis II |
| 30 | 5% Returned to Mitosis  60% Finished Meiosis  32% Budded after Meiosis I  1% Arrested after Meiosis I  2% Arrested after Meiosis II |
| 40 | 1% Returned to Mitosis  93% Finished Meiosis  4% Budded after Meiosis I  2% Arrested after Meiosis I |
| 50 | 100% Finished Meiosis |
| 60 | 100% Finished Meiosis |
| 70 | 100% Finished Meiosis |
| 80 | 100% Finished Meiosis |