## Supplementary Table 18 - Primers for deletion of *ura3, his3* and *SpHIS5*

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| Primer number | Primer name | Sequence (5’ to 3’) |
| Primers to make repair fragments | | |
| 10521 | HIS3\_repair oligo fw | AATGTGATTTCTTCGAAGAATATACTAAAAAATGAGCAGGCAAGATAAACGAAGGCAAAGTGACACCGATTATTTAAAGCTGCAGCATACGATATATATACATGTGTATATATGTATACC |
| 10522 | HIS3\_repair oligo rv | GGTATACATATATACACATGTATATATATCGTATGCTGCAGCTTTAAATAATCGGTGTCACTTTGCCTTCGTTTATCTTGCCTGCTCATTTTTTAGTATATTCTTCGAAGAAATCACATT |
| 12685 | spHIS5 Repair oligo FW | GCCCAACTCAGCTTCCGTAAACCACAACACCACCACTAATACAACTCTATCATACACAAGTCTTTTTACATTTTTTTGGTTTGTGTACGTATCCCACCGTACTTACCATCTTCTCTCCTT |
| 12686 | spHIS5 Repair oligo RV | AAGGAGAGAAGATGGTAAGTACGGTGGGATACGTACACAAACCAAAAAAATGTAAAAAGACTTGTGTATGATAGAGTTGTATTAGTGGTGGTGTTGTGGTTTACGGAAGCTGAGTTGGGC |
| 13807 | URA3repair\_FW | CGGTTTCCTTGAAATTTTTTTGATTCGGTAATCTCCGAACAGAAGGAAGAACGAAGGAAGGGAATCTCGGTCGTAATGATTTCTATAATGACGAAAAAAAAAAAATTGGAAAGAAAAAGC |
| 13808 | URA3repair\_RV | GCTTTTTCTTTCCAATTTTTTTTTTTTCGTCATTATAGAAATCATTACGACCGAGATTCCCTTCCTTCGTTCTTCCTTCTGTTCGGAGATTACCGAATCAAAAAAATTTCAAGGAAACCG |
| Diagnostic primers to check gene deletion | | |
| 111 | URA3 CTRL RV | TATACGCCAGTACACCTTATCGGC |
| 1026 | HIS3 outside fw | CGCTTTGTCTTCATTCAACGTTTCC |
| 1024 | HIS3 outside rv | CCACTTGCCACCTATCAC |
| 1460 | GLK1FW1 | CGCGCCCATATAAATATCC |
| 1461 | GLK1RV1 | CCCGTTTCCGATGATATTG |
| 1521 | URA3 Ctrl Fw2 | GCTACTGCGCCAATTGATGAC |