Table S2 *S. cerevisiae* strains generated in this study

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Based on | Plasmids transfected | Cassette | Reference |
| 2Y | YPH501 |  |  | Agilent Technologies |
| 2YA0C1 | YPH501 | pYES2/CT  pAR3/tRNACUA |  | this work |
| 2YA6C1 | YPH501 | pYES2/CT-AHA1  pAR3/tRNACUA |  | this work |
| 2YA6,59C1 | YPH501 | pYES2/CT-AHA1(R59TAG)  pAR3/tRNACUA |  | this work |
| 2YA6,60C1 | YPH501 | pYES2/CT-AHA1(K60TAG)  pAR3/tRNACUA |  | this work |
| 2YA6,61C1 | YPH501 | pYES2/CT-AHA1(G61TAG)  pAR3/tRNACUA |  | this work |
| 2YA6,62C1 | YPH501 | pYES2/CT-AHA1(K62TAG)  pAR3/tRNACUA |  | this work |
| 2YA6,63C1 | YPH501 | pYES2/CT-AHA1(V63TAG)  pAR3/tRNACUA |  | this work |
| 2YA6,64C1 | YPH501 | pYES2/CT-AHA1(I64TAG)  pAR3/tRNACUA |  | this work |
| 2YA6,65C1 | YPH501 | pYES2/CT-AHA1(S65TAG)  pAR3/tRNACUA |  | this work |
| 2YA6,66C1 | YPH501 | pYES2/CT-AHA1(L66TAG)  pAR3/tRNACUA |  | this work |
| 2YA6C2 | YPH501 | pYES2/CT-AHA1  pBR2/tRNACUA |  | this work |
| 2YA6,63C2 | YPH501 | pYES2/CT-AHA1(V63TAG)  pBR2/tRNACUA |  | this work |
| 2YA6,64C2 | YPH501 | pYES2/CT-AHA1(I64TAG)  pBR2/tRNACUA |  | this work |
| 2YA21C1 | YPH501 | pYES2/CT(V5)-AHA1  pAR3/tRNACUA |  | this work |
| 2YA21,59C1 | YPH501 | pYES2/CT(V5)-AHA1(R59TAG)  pAR3/tRNACUA |  | this work |
| 2YA21,63C1 | YPH501 | pYES2/CT(V5)-AHA1(V63TAG)  pAR3/tRNACUA |  | this work |
| 2YA21,64C1 | YPH501 | pYES2/CT(V5)-AHA1(I64TAG)  pAR3/tRNACUA |  | this work |
| 2YA31C1 | YPH501 | pYES2/CT(HA)-AHA1  pAR3/tRNACUA |  | this work |
| 2YA31,59C1 | YPH501 | pYES2/CT(HA)-AHA1(R59TAG)  pAR3/tRNACUA |  | this work |
| 2YA31,63C1 | YPH501 | pYES2/CT(HA)-AHA1(V63TAG)  pAR3/tRNACUA |  | this work |
| 2YA31,64C1 | YPH501 | pYES2/CT(HA)-AHA1(I64TAG)  pAR3/tRNACUA |  | this work |
| 2YA41C1 | YPH501 | pYES2/CT(FLAG)-AHA1  pAR3/tRNACUA |  | this work |
| 2YA41,59C1 | YPH501 | pYES2/CT(FLAG)-AHA1(R59TAG)  pAR3/tRNACUA |  | this work |
| 2YA41,63C1 | YPH501 | pYES2/CT(FLAG)-AHA1(V63TAG)  pAR3/tRNACUA |  | this work |
| 2YA41,64C1 | YPH501 | pYES2/CT(FLAG)-AHA1(I64TAG)  pAR3/tRNACUA |  | this work |
| 2Y257 | YPH501 |  | pYM45 | this work |
| 2Y257A6C1 | YPH501 | pYES2/CT-AHA1  pAR3/tRNACUA | pYM45 | this work |
| 2Y257A6,59C1 | YPH501 | pYES2/CT-AHA1(R59TAG)  pAR3/tRNACUA | pYM45 | this work |