

S15 TABLE

HAPLOID COLLECTION Genes listed in order of most haploproficient or haploinsufficient from top left down each column to bottom right.

Top 50 haploproficient on YPD plates

| | | | |
|-----------------|------------|-------------|------------|
| tD(GUC)J3 | tE(UUC)K | tR(ACG)J | SUT304/730 |
| tE(UUC)B | tR(UCU)J2 | tL(UAA)N | tl(AAU)B |
| SNR75 | tD(GUC)M | SNR47 | tD(GUC)G2 |
| tA(UGC)G | tF(GAA)P1 | tV(AAC)M2 | CUT468 |
| SUT492 | SUT479 | SUT465 | SNR81 |
| SNR82 | SUT798/387 | SUT055 | CUT474 |
| SUT558 | tL(GAG)G | tS(AGA)D2 | SNR83 |
| tF(GAA)N | SUT471 | tR(ACG)D | SUT842/425 |
| tG(UCC)N (SUF6) | tT(AGU)N1 | tE(UUC)J | tK(CUU)E2 |
| SUT129 | SUT388 | tD(GUC)L1 | tH(GUG)G1 |
| tD(GUC)J4 | tA(UGC)O | SNR51/70/41 | tl(UAU)D |
| tE(UUC)I | tL(UAG)L2 | SUT722 | |
| tV(AAC)J | tN(GUU)N2 | SNR36 | |

Top 50 haploinsufficient on YPD plates

| | | | |
|------------------|---------------|------------|----------|
| SUT233/CUT707 | SUT457 | tP(UGG)L | SNR17A |
| tl(CAA)A (SUP56) | tA(AGC)F | CUT103 | SUT581 |
| SUT339 | CUT150 | tF(GAA)M | CUT546 |
| CUT816 | SUT098 | CUT213/690 | SNR32 |
| tT(AGU)N2 | SUT493 | CUT356 | SUT014 |
| CUT002 | SUT361 | tD(GUC)G1 | SNR3 |
| tl(AAU)L1 | SUT347 | tD(GUC)J1 | SUT042 |
| tV(AAC)M3 | SUT086/CUT102 | SNR61 | tT(AGU)C |
| tV(AAC)G3 | SUT725 | tV(AAC)O | SUT035 |
| SUT173 | SNR10 | SUT174 | CUT296 |
| tA(AGC)J | tG(GCC)G2 | CUT436 | CUT782 |
| CUT102 | SNR33 | CUT424 | |
| tD(GUC)L2 | CUT298/771 | SNR31 | |