Table S3. Heterozygous diploid YKO strains excluded from the pool

Table S3. He	terozygo	ous diplo		ins excluded fi		1
ORF name	plate	His ^{+a}	Mates as MATa ^b	Papillates as <i>MAT</i> a ^b	Mates as MATa ^b	Papillates as <i>MAT</i> a ^b
YAL051W	201	1	0	0	0	0
YAL035W	201	1	0	0	0	0
YAL017W	201	1	0	0	0	0
YAL005C	201	0	1	0	0	0
YAR002W	201	0	0	0	1	0
YAR018C	201	0	1	0	0	0
YML089C	203	1	0	0	0	0
YML088W	203	1	0	0	0	0
YML087C	203	1	0	0	0	0
YML086C	203	1	0	0	0	0
YML084W	203	1	0	0	0	0
YML083C	203	1	0	0	0	0
YML082W	203	1	0	0	0	0
YML081W	203	1	0	0	0	0
YML080W	203	1	0	0	0	0
YML079W	203	1	0	0	0	0
YML078W	203	1	0	0	0	0
YMR223W	205	1	0	0	0	0
YPL273W	209	0	1	0	0	0
YPL202C	210	0	0	0	1	0
YER068W	215	0	0	1	0	0
YHR080C	217	0	0	0	0	1
YHR094C	217	0	0	0	0	1
YCL014W	218	0	0	0	0	1
YCL044C	219	0	0	1	0	0
YLR151C	219	0	0	0	0	1
YGR051C	221	0	0	0	0	1
YGR065C	221	0	0	0	0	1
YOR138C	223	0	0	1	0	0
YOR143C	223	0	0	0	0	1
YGL215W	228	0	0	0	1	0
YIL046W	237	0	0	1	0	0
YFL030W	237	0	0	0	0	1
YJL111W	242	0	1	0	0	1
YJR148W	246	0	0	0	0	1
YLR343W	246	0	0	0	0	1
YML031W	246	0	0	0	0	1
YML046W	246	0	0	0	0	1
YML067C	246	0	0	0	0	1
YDL217C	246	0	0	1	0	0

YDR004W	246	0	0	1	0	0
YDR006C	246	0	0	0	0	1
YNR017W	252	0	0	0	0	1
YBR159W	258	0	0	1	0	0
YBR161W	258	0	0	0	0	1
YIL102C	262	0	0	0	1	0
YIL051C	262	0	1	0	0	0
YJL166W	280	0	1	0	0	0
YLR069C	280	0	0	0	0	1
YML060W	280	0	0	0	0	1
YML052W	280	0	0	0	0	1
YMR266W	280	0	1	0	0	0
YNL331C	280	0	1	0	0	0
YNL262W	280	0	0	0	1	0
YNL251C	280	0	0	0	0	0
YOR014W	280	0	0	0	0	1
YOR078W	280	0	0	0	0	1
YOR089C	280	0	0	1	0	0
YOR093C	280	0	0	1	0	0
YOR095C	280	0	0	1	0	1
YOR097C	280	0	0	1	0	1
YOR106W	280	0	0	1	0	1
YOR132W	280	0	0	1	0	0
YOR149C	280	0	0	1	0	0
YOR202W	280	0	0	1	0	0
YOR204W	280	0	0	1	0	1
YOR278W	280	0	1	0	0	1
YOR279C	280	0	0	1	0	1
YOR281C	280	0	0	1	0	1
YDR077W	280	0	1	0	0	0
YEL065W	280	0	0	1	0	1
YER007W	280	0	0	0	0	0
YER058W	280	0	0	0	0	0
YER086W	280	0	0	0	0	0
YGR096W	280	0	0	0	0	0
YGR111W	280	0	0	0	0	0
YGR186W	280	0	0	0	0	0
YGR198W	280	0	0	0	0	0
YGR199W	280	0	0	0	0	0
YGR206W	280	0	0	0	0	0
YHR148W	280	0	0	0	0	0
YHR160C	280	0	0	0	0	0
YHR195W	280	0	0	0	0	0
YHR207C	280	0	0	1	0	1

YBL023C	281	0	1	0	0	1
YBL091C	281	0	1	0	0	0
YBR023C	281	0	0	1	0	1
YFL008W	281	0	1	0	0	0
YER157W	281	0	1	0	0	0
YMR075W	281	0	1	0	0	1
YNL004W	281	0	0	0	1	0
YNL169C	281	0	0	0	1	0
YIL102C	281	0	0	1	0	1
YOR162C	281	0	0	1	0	1
YBL021C	281	0	0	0	1	0
YDR501W	281	0	0	0	1	0
YKR078W	281	0	0	1	1	0
YBR272C	281	0	0	1	0	1
YFL039C	281	0	1	0	1	0
YCL026C	281	0	0	1	0	1

Notes: "1" means "yes", whereas "0" means "no" as results of strain quality control. "a" His⁺ was defined by the growth of the strain in synthetic medium lacking L-Histidine. "b" mating phenotypes were tested with wild-type strains BY4741a, BY4742α, and BY4743a/α as control. His⁺ strains and mutants behaved like haploid in mating type tests were excluded from the pool used in this study. All strains on plates 280 and 281 were excluded because most strains on these two plates failed in the quality tests. In total, 100 of the 5,996 strains were not included in the heterozygous diploid mutant pool used in this study. The identity of all other 5,896 strains used in this study can be obtained from Research genetics.