

### **Testing the effect of combining *spn1* and *spt6* mutations**

Isogenic strains in the A364a genetic background with the *spn1-K192N* and *spt6-F249K* alleles were mated and the diploid was transformed with low copy plasmids with the *URA3* gene and either the *SPT6* or *SPN1* genes. Haploid segregants with both mutations were obtained after sporulation in both cases but were unable to grow on medium containing 5-FOA, indicating that either single mutation is tolerable but the combination of *spn1-K192N* and *spt6-F249K* is lethal. Similar tests also showed that *spn1-K192N* is lethal when combined with either *spt6-1004* or *spt6-F249K* in the S288C background.