(a) 77 outliers
   |--- PCR
   |   |--- 12 wrong (exclude)
   |   |   |--- 6 failed (exclude)
   |   |   |   |--- 6 failed (exclude)
   |   |   |   |   |--- 3 unlinked (exclude)
   |   |--- 65 correct
   |   |   |--- linkage
   |   |   |   |--- 59 linkage data
   |   |   |   |   |--- 56 linked

(b) MATα library
Delta::kanMX
pMFA1::HIS3
mate & sporulate in 96-well format
MATα = His+
MATα = His−
MATα/α = His−
MATα/α diploids
Delta::kanMX/+
sporulate
select His+, G418f single colonies
screen 10 single colonies for phenotype
linked = 100% of the colonies have the phenotype
unlinked < 100% of the colonies have the phenotype