

# Diploid 2478

is sbA  
cannot carry ssbA1

2439 (from 2475) SulA1 anA1 + biA1 AcuA1 + + + metH1 nicA2 + sbA3 + +  
2372 (from 2472) + + adE20 biA1 + WAZ crxE16 galA1 metH1 + lacA303 + lacA1 sB3

= diploid # 108 / #487

malA1 + + chaA1  
 + choA1 nboB2 chaA1

diploid 2475 = 2378 | from cross 2460 = SulA1 anA1 biA1; ssbA1; lysB5  
2260 | proA1 biA1; AcuA1; metH1; nicA2; sbA3; malA1  
 chaA1

detailed pedigree available on request,   
 from cross 1977