

Backcross

503 I ; II
 M 76 | a cr-1 ; pe fl (# 338)
 B123 ; Y 8743 m L

BC I M 76 | a x + II A → M 160 | cr-1 (503.5) Allele ratios fl/+
 1/1 types - various types of fl? (5A) 32/84

Recombination
 cr-1/a + 51/20
 pe - fl 50/122

503 V BC II 503.29 x + II A (2489) 81/95 } subtotal 132/195 ~ 68%
 III (II.3) a x + II A + 10/50 }
 IV: 213 | a x + II A + 4/50 }
 V: 293 | a x + II A + 80/100 → M 376 | A pe fl (v.ii) 38/42 }
 VI: M 377 | a x + II A + 39/50 } 239/299
 VII: (v.1) a x + II A + 41/49 } ~ 80%
 VIII: 437 | a (vii.5) x M 1 | A + 79/100 }
 cr-1; pe fl

Germination No/Total spores
 40/81 } 91/197
 3/7 } 46.2%
 16/25 }
 38/42 } 34/46 fl?
 15/24 } subtotal 112/150
 23/41 } 74.7%
 36/43 } fl 41/38

1/11 } 29/80
 0/4 } 2/10
 1/7 } 9/41
 8/17 } 20/42 + 15/38
 0/4 } 18/39?
 3/16 } 13/41
 11/35 cr }
 9/49 cr+ } 32/84

← 609 A cr-1; pe fl.
 503 IX: 608 | a x M 528 | A + (BCVI of #2490) (6.3)
 cr-1; pe fl

Allele ratio: 203:367
 cr: + 55%
 Recomb. mt-cr 43/178
 3/9
 46/187
 24.8%
 193/497
 IX: 19/45
 212/542
 39.1%
 Recomb. pe - fl

FGSC # { 4167 = M 688 | A (503.IX.6) }
 { 4168 = M 687 | a (IX.5) }