

IR
 518 89 | a aur (34508) (allele of al-1)
 II-VI } (#1204) } back crosses
 II R
 ; pe } (Y 8743 m)

| Date | Genotype | Total | kept |
|----------|--|-----------------|----------------------------|
| July 75 | BC I 89 a x M I A (518) (I.51a) #2489 | 81/100 | .A 46, 47 aur, pe .a 53 |
| Nov. 75 | II 228 a x M I A | 27/29 | (II.7) M → 218 a pe |
| July | sub total I-III | 129/159 (81%) | see (540) |
| Jan 78 | III 218 A pe x M 527 (II.7) #4200 | 21/30 | — |
| Febr 78 | IV (III.1) pe x M I A | 27/40 | M 893 a pe |
| March 78 | V (IV.2) ape x M I A | 31/40 | 96/130 IV-VI 74% |
| | VI (V.2) A x M 527 a pe #4200 (6 ↓ (pale + pe) or daw) | 38/50 | subtotal |
| | # 4038 → 1026 A (518, VI.3) | 225/289 (77.9%) | 78% Germination |
| FGSC | 4037 ↓ 1025 a (518, VI.2) | pe Y 8743 m | |

| Allele ratios | | Linkages | |
|----------------------------------|------------------------|---------------------|--------|
| aur: + | pe: + | aur- ⁺ A | aur-pe |
| 40:41 | 37:44 | 21/62 | 40/81 |
| 11:16 | 16:11 | ~35% | 50% |
| 64:65 | I-III subtotal 100% | | |
| 8+3?:10 | | | |
| 10:7 | | | |
| (10 pale or fl disc) | | | |
| 17:14 | | | |
| 44:36 | IV-VI subtotal (>100%) | | |
| 15+2:15 | | | |
| (thin) (several thin) | | | |
| pe: + | | | |
| 108:101 | | | |
| > 100% viability in a sco spores | | | |