

Back cross

529

M 71 | A

pab-2 (H 193) ; ylo-1 (# 225) (Y 30539y)

Date	Genotype	Cross	Total	Kept	Allele ratios (unlinked)
July 75	BC I	71 A × 2 a (# 2490)	45/50	-	pab: + 21:24 ; ylo: + m: +
Dec. 75 / July	II	(529.15) a × 1 A (# 2489)	27/31	M 229 in cross 538	7:6 ; 42:51 ; 13:13
April 76	III	(II.6) 229 a × 1 A +	43/50	115/131 88% subtotal	14:21 ; 22:22
May 76	IV	(III.4) 299 a × 1 A +	45/50	Germination subtotal 134/148 ~ 90%	16:23 ; 25:20 ; v. difficult ; none as clean as P=299 (possibly old sub 2)
Aug 76	V	(IV.22) 364 a × 1 A +	46/50		18+2?:26 ; 26:20 ; 60:68 → 88% subtotal for pab-2 IV-VI
Oct. 76 EP.	VI	(V.25) 397 a × 1 A +	43/48	419/a in Cross 564 ylo-1	18+6?:19 ; 29:14 ; difficult ; 94+:119 ; 115:99
	VII	(VI.13) a × 1 A + (VI.14) a (VI.3) A	249/279	89.2% Germination rate	Ascospore relative viability } 79.0% pab-2 ; > 100% ylo-1

667 | a pab-2; ylo-1 → 442 | a (normal?)
 668 | A → 495 | A (so looks like ylo-1)

Back cross of pab-2
 563 VII M 418 | a pab-2 (nso) × 1 | A + (# 2489)
 VIII M 494 | (VII.5) A nso × 527 | a + (6.2)

Cross 563 IX (VIII.32) pab-2 (not so like) A × 527 | a +
 # 4200 = ORS a BC VI of # 2490 a × # 2489 A

FGSC # $\frac{4076}{4077} = \frac{821}{820} | A$ pab-2 (not nso) H 193

Cross 617 VII
 FGSC # 4099 # 4100