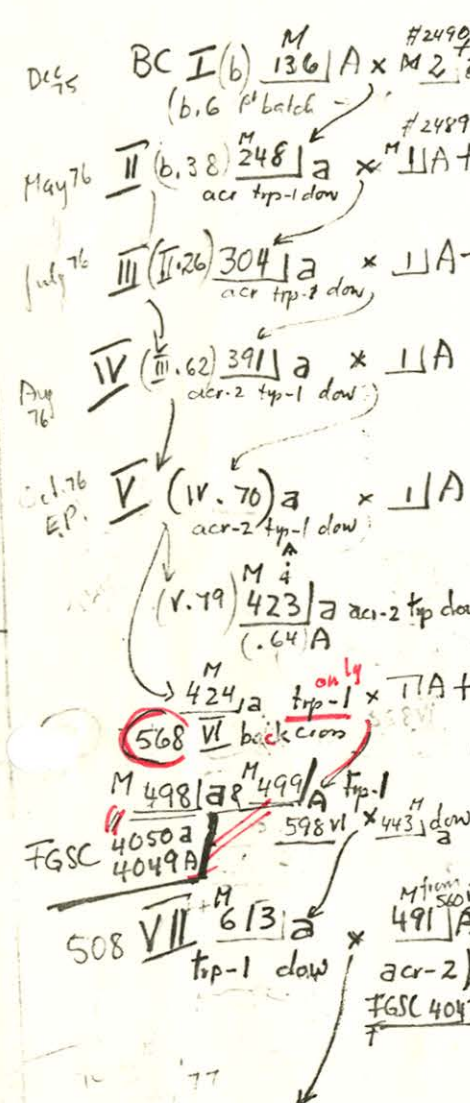


Back Cross 508 (b) M 136/A

Fig. III

99-2 (KMS) tip-1 (10575) claw (FGSC #2125) x 2/a wild type (#2490)

used MM (Vogel N x son base) + acriflavine



Date	Cross	Germination Total	Kept	Allele ratios			Recombination	
				acr-2	tip-1	daw	acr-2 + tip-1	tip-1 - daw
Dec 75	BC I (b) M 136/A x M 2/a	46/50	?	16:29	20:25	20:25	10/45	16/45
May 76	II (b.38) M 248/a x M 11A+	47/50	M 308/a	23:17	23:17	30:17	13/46	18/46
July 76	III (II.26) M 304/a x 11A+	94/100		49:45	50:44	50:44	31/88	40/88
Aug 76	IV (III.62) M 391/a x 11A+	99/100		52:46 (3+)	45:53	51:48	30/99	44/99
Oct 76 E.P.	V (IV.70) M 423/a x 11A+	89/99	M 518A, M 423a	40:49	38:51 (4+)	46:43	32/89	44/89
	VI (V.79) M 424/a x 11A+	197/270	M 424/a tip-1 in cross 568	97:95	93:99	94:98	66/192	73/192
	VII (VI.64) M 498/a x 11A+	375/399	M 424/a tip-1 in cross 592	271:271	269:289	291:275	182/559 (32.6%)	235/559 (42.0%)

	Totals	P ₁	P ₂ (daw)	R ₁	R ₂ (daw)
I	45	16	9	9	11
II	46	8	17	9	12
III	88	20	25	24	19
IV	99	27	30	21	21
V	89	23	20	20	26
VI	192	48	45	50	49
	559	142	146	133	138

Cross	acr-2 - tip-1				Totals	tip-1 - daw			
	P ₁ +	P ₂ tip	R ₁ +	R ₂ tip		P ₁ +	P ₂ tip-	R ₁ +	R ₂ tip-
BC I	21	14	4	6	45	17	12	8	8
II	14	19	7	6	46	10	18	11	7
III	23	34	15	16	88	21	27	17	23
IV	36	33	18	12	99	29	26	25	19
V	34	23	17	15	89	25	20	26	18
VI+	64	62	24+10	22+10	192	62	57	26+10	27+10
	192	185	95	87	559	164	160	123	112

182/559 = 32.6%
235/559 = 42.0%