1. Linkage studies with su₂

A three point test from A/a Pl Su_2 py / pl su_2 Py selfed gave results as follows:

	Pl Py	Pl py	pl Py	pl py	Sum
Su_2	96	12	32	16	156
SU ₂	4	1	60	0	65

Recombination values were Pl-su₂, 6 ± 2 ; and su₂-py, 17 ± 6 .

Two point tests of su_2 with Y in F_2 gave:

	Y Su ₂	$Y su_2$	y Su₂	y su ₂	Sum	Recombination
Repulsion	90	46	48	7	191	34
Coupling	179	44	35	31	289	33
II .	76	15	16	10	117	34
"	102	22	19	24	157	34

Backcross tests of su_2 with T6-10a and T6-10b are compared with backcross tests of Pl with T6-10a and T6-10b from Anderson and Kramer, Genetics (in press) as follows:

su ₂ T	T6-10a	T6-10b	Pl-T	T6-10a	T6-10b
Su ₂ SS	56	53	Pl SS	147	8
Su ₂ N	21	5	Pl N	56	64
su ₂ SS	21	6	pl SS	50	62
su ₂ N	69	68	pl N	140	4
Sum	167	132		393	138
Recombination	25	8		26	9

The linkage values indicate that su_2 is probably slightly distal to Pl on chromosome 6. The map may be summarized as follows: