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1. Further data on the cp_2 (collapsed-2) location.

According to Dr. Nuffer's suggestion the collapsed endosperm trait previously indicated as " cl " (M.G.N.L. 40: 77-78, 1966) will be hereafter designated as " cp_2 ". Additional data on the recombination between o_2 , gl_1 and cp_2 are now available:

Gene pair	Phase	AB	Ab	aB	ab	Recombination \pm standard error
o_2 - cp_2	R*	3567	2369	1760	22	9.6 \pm 0.7
gl_1 - cp_2	R*	1181	614	546	5	9.2 \pm 1.3
	C*	3277	164	178	768	8.6 \pm 0.1
o_2 - gl_1	R**	101	978	956	77	8.4 \pm 0.4
	R*	2316	931	1125	15	13.2 \pm 1.0
	C*	634	54	72	104	16.6 \pm 0.9

*Self-fertilization data.

**Backcross data.

The cp_2 location appears now to be intermediate between o_2 and gl_1 and not distal to gl_1 as previously reported (M.G.C.N.L. 40: 77-78). The order of these markers on the chromosome 7 map should be as follows:

o_2 (9.6%) cp_2 (8.7%) gl_1

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2. A rt (rootless) mutant detectable at an early seedling stage.

In 1968 a progeny segregating for a defective root seedling was detected among breeding material. At the four leaf stage the root development of the mutant is poor (about 1/5 of normal). The mutant seedlings are also smaller than the normal and do not reach the reproductive stage. In 1969, heterozygous material was selfed and 22 progenies