Appendix. Table 1

$$c\ sh\ ; x\ 4204 \left(\frac{Yg\ c^{m-1}\ Sh\ wx}{Yg\ c^{s}\ sh\ wx} \quad Ac\ ac \right) \sigma 1$$

Cross	Germinal mutations	c^{m-1} var.		No C Spots	
	C Sh	c → C Sh	c → C sh	c Sh	c sh
4074-21 x 4204	1	66	2	81	152
4075-9 x "	3	55	4	93	183
4074-18 x "	5	85	1	117	233
4145C-1 x "	0	33	1	45	69
4078-6 x "	1	65	1	96	169
4081-28 x "	2	54	1	92	154
4074-5 x "	5	70	1	82	195
4081-25 x "	5	51	1	79	162
4081-30 x "	1	30	3	40	136
Totals	23	509	15	725	1453

Total = 2725
1257 Sh : 1468 sh

Appendix Table 2

C sh bz wx ds ac♀x 4204 $\frac{c^{m-1}\ Ds\ Sh\ wx\ ds}{c^{s}\ sh\ wx\ ds}$ Bz Bz ac ac ♂

Cross	C Sh Bz non-var.	C Bz-C bz Sh	C sh Bz non-var.	C Bz-C bz sh
4083-3 x 4204	117	76	213	6
" x "	110	58	184	3
" -12 x "	64	37	90	2
Totals	291*	171	487	11

* Some of these kernels may have c^{m-1} and Bz but not be classifiable because of:

a) heavy c — C mutations. Such a state of the c^{m-1} locus gives few dissociation mutations

b) late dissociation mutations. These will give too small areas for bz to show due to diffusion of Bz substance from surrounding Bz cells.

Appendix Table 3

c sh ds ac♀x $\frac{c^{m-1}\ sh}{c^{s}\ sh}$ Ac ac ♂

F_1 kernels tested for ac constitution and c-m

Selected F_1 kernels → Cross of F_1 Plants from selected kernels	c – C Sh kernels Ac ac	ac ac	c Sh Ac ac	ac ac	c sh Ac ac	ac ac	Origin of culture
4421 x C Ds ac	7	2*	2	7	10	6	4074-5x4204
4422Bx "	8	0	-	-	--	-	4075-9x "
4423 x "	8	0	3	18	6	10	4074-18x "
4425Cx "	6	0	-	-	-	-	4081-25x "
4426Bx "	7	0					4081-28x "
Totals	36	2	5	25	16	16	

* = 4421B-8 c^{m-1} ac ac

Plants from F_1 c Sh kernels x c^{s} Ac Ac

	c – C	c non-var.
4421D x c^{s} Ac Ac	7	2
4423D x " "	12	4

Appendix Tables ~~b-d~~ 4,5,6

c sh wx ds ac♀x c^{m-1} Sh / c^{m-1} sh, Ac Ac ♂

Table 4

Cross	C Sh	C sh	c→C Sh	c→C sh	c Sh no C spots	c sh spots
4323-7[I] x 4294[illegible]-1	2	1	167	153	11	8

c^{m-1}_{Sh} / c^{s} sh ac ac♀x c^{s} sh Ac Ac ♂

Tables

4294G-1x4288-2	0	0	38	1	2	37

c sh ac ac♀x $\frac{c^{m-1}\ Sh}{-Sh}$ Ac ac ♂

Table 6

Cross	C	c → C	non-var.
4293-2[I] x4295-1	2	103	99
" x " -3	9	119	138