For I, Table 6

		Pale				Var.				Colorless					
♀	♂	Sh₂		nh₂		Sh₂		nh₂		Sh₂	nh₂			Totals	
		♀	♂	♀	♂	♀	♂	♀	♂						
6665 E-1 I	6635-1	46	60			62	42				208			418	
" E-2 I	6632-23	10	15			21	12				66			124	
" E-3 I	6632-2	50	60			56	51				220			437	
" E-3 II	" -23	25	44			39	21				139			268	
" E-4	6635D-1	49	63			70	48		1		201			432	
" E-5	6632-8	36	55			62	36				159			348	
" E-6	6632-11	48	73			51	40				193			405	
" E-7	6637B-5	30	61			65	43				208			407	
" E-8	6632-8	43	56			62	45	1			211			418	
" E-9	6632-2	30	56			48	38				175			347	
6666 C-3 I	" -16	34	62			50	31				211			388	
" " 3 II	" -18	26	66			58	22				187			359	
" C-4	" -11	55	74			66	45				226			466	
" C-5	" -11	23	37		1	40	28				127			256	
" C-6	" -18	29	51		1	68	32			2	214			397	
TOTALS		534	833		2	818	534	1	1	2	2745			5470	
		1367				1352									

Spsm Progeny of plants having 1, 2, or 3 Spsm elements.
From Tetraploid. main ear as induction

	1Spsm	2Spsm	3or more Spsm	Totals
1Spsm parent, Random selection of kernels.	227	14	3	244
" " " Recombinants.	58	8	3	69
Totals	285	22	6	313
2Spsm parent Random selection	89	28	11	128
3Spsm parent Random selection	36	31	26	93
				534

Correspondence of Spsm number in different parts of same plant

2 parts of plant	1 Spsm	2 Spsm	3or more Spsm
I and II	6	5	
I and t	45	18	5
I and pollen	13	3	
3 parts of plant			
I, II and t	3	4	1
I, t-1 and t-2	9	1	1
I, II, and pollen	1		
I, t, and pollen	8	1	
4 parts			
I, t-1, t-2, pollen	1		
Totals	86	32	7

Non correspondence

6629 A-7 [illegible] 4 major pairs
6667 C-1 [illegible]
6676 B-7 I=2, t=1
6684 H-1 I=[illegible], t=1
6675 B-7 I=[illegible], t=1
6678 B-3 I=[illegible], t=1
6876-8 I=[illegible], t=2
6452-3 I=[illegible], t=[illegible]
6453-9 I+t=2, t-2=3

9

Total 134

non-Recomb.

Peanuts =

		Tested Var.	Pale		Tested	From				
6864		14	(1)		15	6665 E-10 I	× 6632-26			non-selected
6865		15	0		15					" "
6866		11	0		9					" "
6867		20	0		17					" "
6868		11	0		9					selected-direct
6869		9	0		9					" "
6870										
6871										
6872		29	(1)		29	6668C-3 × 6872		Recomb [illegible]		
6873		12	0		9					Recomb.
6874		20	0		20					(non-selected)
6875		20	(3)	mature Spec	20	6685G-2 × 6641A-5				non-selected
6876		11	0		11	(long pale) ✓✓				(Recomb ?)
6877		9	(1)	mature Spec	10	6668C-6 × 6638A-4				Recomb.
6878		8	0		8					Recomb
6879		19	(1)		16	6684D-1 E × [illegible]				selected-direct
6880		10	(1)		11	6641B-3 × 6684D-1	[Heteroplt. possible]			
6881		10	0		10					selected-direct
6882		9	(1)		10	6685F-3 E × 6641A-4				Recomb
6883		10	0		6					Recomb
6884		19	(1)		17	6667F-11 I × 6638A-3				selected-direct
6885		24	0		22					selected-direct
6894		19	0		15					selected-direct
6895		5	0		5					non-selected
68[illegible]		[illegible]			[illegible]					[illegible]
excluded 6870 [illegible]		325	6 pale + 4 mature		302					

1954

non-Recomb. organisms selected FROM non-recomb. cultures.

Recomb.

Culture			Pale	Var.		Pale	Var.		
6646	A		0	6					
6647	A + B		0	8					
6649	A + B	1A1	0	9					
6650		1A1	0	4					
6651	B		0	5					
6653		1A1	0	9		0 pale:			
6654		2A1	0	4					
6655	C		0	5					
6656			0	4					
6657			0	8					
6658			0	1					
6662	D		0	10					
6663			0	16					
6664	B		0	10					From 6629A
6665	E, F		0	13					
6666	C, D, E		0	13					
6667	A to D		0	19					
6668	A		0	10					
6669	B		0	1					
6670	C, D		0	12		2 pale;	182 var.		
6671	C - E		0	19					
6672	C D		0	11					
6673	C D		1	18					
6674	C, D		0	11					
6676	B C		1	19					
6679	C		0	9					
6680	C D E		0	19					
6681	B		0	4					
6682	A		0	8					
6683	B		0	9					
6684	D		0	3		Recombination			From 6629B
6685	D to G		1	8					
6686	C D		1	9					
6687	C		0	6		3 pale;	94 var.		
6688	A		1	9					
6689	B		0	9					
6690			0	1					
6691	B		0	10					
6692	B		0	7					
6693	B		0	6					
6694	A B		0	11					
6695	B, C		0	10					
6696	B		0	9					
6697			0	9					
6698			0	16		0 pale;	124 var.		
6703	A to D		0	20					
6704	A + B		0	8					
6705	A B		0	9					
6706	A B	1A1	0	1					
6707	A - B		0	8					

Variegated plants from Pale leaves. Summer 1954

Cultag		Pale	Var							
6640B		3	0							
6659		19	0							
6660		22	0	From leaf + pale plants = 61 plants						
6661		20	0							
6662	A to B	10	0							
6664	A	6	0	From 6629 A leaves.						
6665	A + B D	13	0							
6666	A B	11	0							
6669	C	1	0							
6670	A, B	12	1							
6671	A, B	12	0	1 var: 101 pale						
6672	A, B	7	0							
6673	A C	12	0							
6674	A B	12	0							
6676	A	4	0							
6677		1	0							
6679	A B	10	0							
6680	A	10	0	From 6629 B leaves						
6681	A	5	0							
6683	A	4	1							
6684	A	4	0							
6685	A	8	0	1 var: 72 pale						
6686	A B	10	0							
6687	A B	11	0							
6689	A	10	0							
6691	A	10	0							
6692	A	5	0							
6693	A	5	0	0 var: 31 pale						
6694	C	2	0							
6695	A	4	0							
6696	A	4	0							
6699		8	0							
6700		5	0							
6701		8	0	31 plants from leaves of pale plants						
6702		10	0							
6704	C	10	0							
6707	C	10	0	20 pale						

Totals = From leaves of pale plants = 92 plants, all pale
From leaves of variegated plants = 2 variegated : 224 pale

Спец-ия

Спец-ия

6665 E-9 × 6632-2 see 6846

6684 B-2 × 6634 B-10

6688 C (8) t × 6702-(2) = 4н

6662 D (7) (x) see 6891

6662 D (10) = 6662 B (4)

" " D (5)

" D (12) ×

" D (13) to 6637 (3)

" E (16) × 6633 A-7 - see Спец-ия 6870

6671 D (2) t × 6634 B (2)

6674 D (4) × 6641 A (5)

6676 B (3) × 6632 (8) 1 пачка

" B (3) t × 6638 A (2) - 2 разные Спец-я + Спец-ия

" C (5) × 6632 (14) 2 пачки = 6891

" E (1) × 6638 A (2)

6682 C-1 × 6632 (1)

" C-3 × 6651 A (1)

" C (5) t × 6632 (7)

" E-(6) t × 6675 G 6887

6682 A (1) t × 6632 (25)

6683 B (2) t × 6641 A (5) 6888

6684 C - see Спец-ия

рабочие - 6689 F (2) 4 пач × 6641 A (5) 1 пач

1Spm	No Counts	No Sec			Pale	Dark		Total	No Spins Taken
6876-1Spm	6	9	1spm		1546	1399		2945	
6876-8	I.		1spm		268	172		440	
8	E.		2Spm		90	217		307	
6876-11			2 linked 3pm		79	116		195	
6876-10			2Spm		64	176		240	
11			2Spm		121	328		449	
NO Spm 6876-6									

Gauge.

		I	II	I-1	I-2	I-3	position			
6629	A 1	✓	✓							
6629	A 3	✓								
	A 4	✓								
	A 7	✓		✓						
	A 9	✓		✓						
6629	D 1	✓	✓							
	C 8	✓								
"	D 10	✓					✓			
"	E 3	✓								
	E 4	✓								
	E 9	✓								
"	E 9	✓	✓							
6664	C 1	✓								
	2	✓								
	4	✓								
6665	E 1	✓		✓						
	E 2	✓		✓	✓					
"	E 3	✓		✓						
	E 4	✓		✓						
"	E 5	✓		✓						
"	E 6	✓								
	E 7	✓								
	E 8	✓		✓						
	E 9	✓								
"	G 1	✓		✓	✓					
"	G 2	✓								
	G 5	✓								
	G 6	✓		✓						
	G 7	✓								
"	G 12	✓								
	G 15	✓								
	G 16	✓								
		✓								
6666	C 1	✓								
	C 2	✓	✓	✓						
	C 3	✓		✓						
"	C 4	✓		✓						
"	C 5	✓		✓						
	C 6	✓		✓						
6666	C 7	✓		✓						
6666	E 1	✓					✓			
"	G 2	✓								
"	G 4	✓								
	G 5	✓								
"	G 6	✓								
"	G 9	✓								
	G 10	✓								

		I	II	L-1	L-2	L-3	pollen			
6670	C-1	✓								
"	C-2	✓								
"	C-3	✓								
"	C-4	✓								
"	C-6	✓		✓						
"	C-7	✓		✓						
"	E-1	✓								
"	E-4	✓								
"	E-5	✓								
"	E-6	✓								
6673	C-1			✓						
"	C-2			✓						
"	C-3			✓	✓					
"	C-6			✓						
"	C-9			✓						
"	C-10			✓						
"	C-11			✓						
"	C-12	✓		✓						
"	G-1	✓		✓						
"	G-3	✓								
"	G-4	✓								
"	G-7	✓		✓						
"	G-9	✓		✓						
"	G-11	✓								
"	G-12	✓								
"	G-16	✓								
6674	C-1			✓						
"	C-5	✓								
"	F-2	✓								
"	F-3	✓								
"	F-5	✓		✓						
6676	B-1	✓	✓							
"	B-2	✓		✓						
"	B-3	✓								
"	B-4	✓								
"	B-9	✓								
"	B-10	✓								
"	C-3	✓								
"	C-5	✓								
"	C-6	✓								
"	C-9	✓	✓							
"	D-10	✓								
"	E-4	✓		✓						
"	E-7	✓								
"	E-10	✓								

		I	II	t-1	t-2	2-3	polleu			
⑥ ar										
6862 –	2	✓								
" –	9	✓								
" –	10	✓								
6861 –	1	✓	(see 7263 and two)							
" –	5	✓	" 7262 ✓							
6868 –	8	✓								
" –	9	✓								
" –	10	✓								
6869 –	1	✓								
" –	2	✓								
" –	3	✓								
" –	4	✓								
" –	5									
" –	6									
" –	7									
" –	8									
" –	9									
7262 –	1	✓								
" –	2	✓								
" –	3	✓								
" –	4	✓								
" –	5	✓								
7263 –	1	✓								
" –	2	✓								
" –	3	✓								
" –	4	✓	✓							
" –	5	✓								
" –	6	✓	✓							
" –	7	✓								
" –	8	✓								
⑤ [illegible]		[illegible]								
polleu –										

I 卌 卌 卌

Spun/Spun

6664

			FI		pale	non.				
6662D		YY	6632-4		37	222				
" D	② ①				3	37				
" D	⑥ ⑧	YY			4	171				
" D	6 t		[illegible]-23		0	28				
" D	6 t		" -26		0	70				
" D	6		" -23		0	30				
" D	⑥	YY								
" F-	11		6638 A-3		39	280				
" F-	11		" A-2		22	280				
" F-	9		" [illegible]		24	254				
6664D-	8		" -4		43	435				
6662D-	2 ⑧									
6900										

Mutations to eyeless - state 5715A

6648 ③ x 6669C

" ④ + 6034B ⑦

" ⑤ + 6632 ③⑤ - see (A, mut/ a, mut)

state 5720 mutants - + [illegible]

6667 T G ⑥ x 6638 A ③ Wx + / m Spm + Spm -

6668 C ③ x " ④ Wx + / m Spm + Spm - see 6872

6668 C ⑥ x " ④ Pr + / pr Spm see 6877

important for relation between high pole ratio + tissue position of Spm

Like 6666 C ⑦ bars and puffy 6895

6671 F ② Wx + / m spm see 6873 (mutant)

6671 F ⑪ Pr Spm / pr +

6671 G ① " "

sectoral eye 6672 E ⑫ I x 6638 A ③

6680 F ④ x 6638 A ④ - 6874

6683 D ②² x 6641 A ⑤ sectoral eye

6685 F ①I x 6632 ⑦ - ousting "modifier"

6694 B ⑦ - Sectoral tassel, crosses

1955

Homogeneous Q.M-1

5719 A-1 / 5719A-1

6871
6875
6878
6880
6882
6887
6888
6890
6900

5719A-1 / 5715

6866
6867
6869
6870
6872
6874
6877
6895

5999/5715

6883

5996-4/ 5719A-1

6885

Spm/Spm plants in culture 6662

♀	♂		A1	Pale	Var.					
6662D-2	6632-4		2	36	232			1+I-2		
6662D-6	⑧			4	231					
" D-9	6632-23		0	0	30					
" E1	6638A3		0	39	280					
6662D-3	⑨			3	37					

① ③ ② 4 ⑤ 124

Y Spm | Y Spm ; Y Spm | Y+ ; Y Spm / y Spm , Y+ / y Spm . Y Spm / y

What was found was the following:

3 = ✓ Y Spm | Y Spm = D ② D ⑥ D ⑨

1 = ✓ Y Spm | y Spm = E ⑪

3 = ✓ Y Spm | Y + = E ⑤ ⑫ ⑬

7 = Y Spm | y + = E ③ ④ ⑨ ⑭ ⑲ D ① D ⑧

1 = Y | y Spm D ⑩

1 = Y | y ; 2 Spm not linked to Y or y = ⑥

1 = Y Spm | y + plus 1 non-linked Spm = ⑯

1 = Y | y 1 Spm, not linked = D ③

Plant	Spm constitution		Culture no. of Progeny		Spm constitution of progeny (where known, in terms, see also)		Culture no. of Progeny	Table reference
			6665, 6666:					
6629A-1	Y Spm/y+ 35% recombination	20 to 30	6665E-10	maroon	Y/y 2 Spm	Table 26	6864	
			" " -10	albino	Y/y 2 Spm	Table 26	6865	
			66656-16	albino	Y/y 1 Spm	Table 24	6866	
			66656-21	albino intermediate	—	—	6863	
					Y/y, 2 Spm	Table 24	6867	
			6666C-1	ear I	Y/y 1 Spm	Table 26	6868	
			6666C-2	ear I	Y Spm/y+ (?)	Table 26	6869	
			6666C-7	ear II	uncertain	Table 26	6895	Table 43
			6895A-1	ear I	Y Spm/y+ 4.3% recomb.	Table 43	7260	Table 43
			6895B-3	ear I	W+ Spm/w+	Table 44	7261	Table 44
6629A-8	Y Spm Spm/y++ ear I	see page	6676		see text	Table 31		
6629A-2	Y Spm Spm/y++ plus 2 Spm.	see page	6667:		see text	Table 32		
			6667F-1	ear I	Y Spm Spm/y++	Table 32	6884	Table 33
	main ear	see page	6668		see text			
			6668C-6	ear I	Pn+/pn Spm	Table 34	6877	Table 34
			6668C-3	ear I	Tert+/tert Spm + 1 Spm	Table 35	7285	Table 36-40
			7285	ear I	W+ Spm/w+	Table 37	7330	Table 37-41
			"	Tillers	W+/w+; 1 Spm	" "	7331	Table 42
			7285A-2	tillers	W+ Spm/w+	" "	7332	Table 39-41
			7285A-7	tillers	"	"	7333	" "
			7285B-6	ear I	"	"	7334	" "
6704B-3	Y Spm/y+ 18% recombination	see page	6885	Table 45				

							Table	Program		
6629H-5	coal I		6671	(Table 46 and 47)						
15μm	γ + pl. 15μm			6671F-2	Wt + 1 μm 15μm		Table 47	6873	Table 47	
	tellu coal		6672	(Table 46 + 47)						
6629B-2										
25μm	coal I		6680							
[γ + 1 μm 35μm]				6680F-4	Wt + 1 μm 35μm?			6874		
see 7262, 7263				6680C-2	35μm					
					6861	7262				
						7263				
6629B-5	coal I		6683							
35-45μm	35μm pl ++			6683D-2	tellu	6878				
	coal II		6684							
				6684D-1	tellu	6879				
					pollen	6880	and	6881		
	tellu-coal		6685							
				6685F-3	tellu	6882				
				6685F-1	tellu	6889				
				6685G-2		6875				
6703 #-10			6876							

Transposition Spm - (mmm W+Spm/ m+ from 6872) Low transposition
(= " 6877 = white)

6665 G (13) I (+) = 6862

6665 E (10) I = 6864

" " " I = 6865

6665 G (16) = 6866 - ← weak

6666 C (2) I = 6869 YSpm/y+ quite strong

" C (1) = 6868 " " " → Low transposition rate.

66656 G (21) (+) = 6863

" + 6638 A (1) = 6867

6671 F (2) = 6873. Recombinants IVM

W+SpmSpm

6680 F (4) = 6874 (inactivation upon) Recombinants

PrSpm/pr+

66856 G (2) = 6875 inactivation High rate [PrSpm/pr+]

6703 E (10) = 6876

6668 C (6) = 6877. inactivation - Recombinants

6683 D (2) I = 6878 High rate of transposition Recombinants

6684 D (1) I (+) = 6879 High rate of transposition

6684 D (1) pollen = 6880 Low " " " in selected kernels, non-recombinants

" " = 6881 med " " " " " " non- "

6685 F (3) I = 6882 High rate of transposition Recombinants.

6685 F (1) I = 6889.

6707 A⑤ E = 6883 From 5999

✓6667 F⑪ = 6884 (reported in tables) non-recombinants

6704 B④ = 6885 Low rate of transposition non-recombinants
Y Spm/y+
18% recombinations

From 6080C-3

6703 E⑤ = 6894
3Spm

✓6666C-⑦ = 6895 High rate of transposition in 6666C⑤ I up

~~6260~~

✓6895 A② = 7260 Low rate of transposition in 6895 A② 1%
Y Spm/y+
4.5% "Recomb."
non-recombinants

✓6895 B③ = 7261 High rate of transposition
W+ Spm/w+ = non-recombinants.

Discussion - continued orders:

I

7260 plants - Release of Spm - 4070 Records

7261 " - " " Spm

6885 - From Y Stud y+ of 6704B-4. 18.90 "recombinations"

6864+6865 = From 6665 E 10 I + II

6866 = From 6665 b (16)

6863 = " 6665 b (21)

6868 = From 6666C (1) - see Table 26 for Changed Records now 4590 Records.

6869 = " 6666C (2) I " " "

II

6671F (2) - recombinant

III. progeny of 6629B-5

~~IV. Height meter of long Tiova portion - 1954 centim - 6694 - polyploids~~

all from Spm - 6629B-1 = 3590 records

6629A ② · main ear = 6668

From main ear. Only progeny from a, b, z, y lesions examined

9 plants = 7 with Spm, 2 with no Spm.

1 Spm = C ① no linkage with ur+ ; no test for pr linkage

C ② " " " " ; no linkage with pr

discarded, see Table 3.4 — (C ⑥) = Pr+ | pr Spm & ur data [6877]

non-linked
2 Spm = C ⑨ = Pr+ | pr Spm plus 1 Spm not linked to ur+

(C ③) w+ | unSpm + 1 Spm ; no test of Pr linkage [6872]

C ④ no linkage with pr or ur+

C ⑧ " " " " " "

Discussion Finished

6629A ② Tiller cor = 6667. - Diseased, see Table 32 [illegible]

only plants derived from colonies, ab. clones examined.

From Y class = 1 plant, 8 spn present but large nectar in whole Y clr lost from cells.

10 other plants - all lack Spm:

Plants: 6667

1 1 Spm = Y Spm / y + = F ⑧

(54 pale Y : 119 pale y : 127 var Y : 50 var. y)

1 2 non-luted Spm, neither in clr 6 = F ⑨

1 2 Spm, Both in Y Clear cuts = F ⑪ ✓ up data

2 2 Spm, 1 in Y clr, other non-luted = F ①, G ⑪ ½

2 3 Spm, 2 in " " " " " = F ② F ⑤

3 3 Spm, 2 positions not closely different = F ③ ⑥ ⑩

~~but + plant in Y clr~~

Data given in Table 32 of Spm paper.

6667 G from 4 a.-h. genus = 10 plants

2 = no Spm

3 = 1 Spm

2 = 2 non-linked Spm / G ⑥ = 35 pale Wt : 8 pale mt
47 var Wt : 80 var. mt

2 = 2 linked Spm

1 = 3 non-linked Spm (1 linked to mt : 21 pale Wt : 2 pale mt : 97 var Wt : 117 ll mt

on the 3 plants that were Pr Pr, no linkage of Spm with Pr

Outline

1. Spur/Spur - 1 pole between on ear

2. Property of 6629A-8 (4 Spurs/4++)

19 Y/y plants from navigator demo - pg 125 Table 3)

11 Y/y " from a, b2 Y Demos "

13 y/y " " " " y Demos "

(4 Spurs/4++ plus 2 other Spurs)

3. Property of 6629A-2 - Tiller ear = 6667

10 Y/y a, b2 plants - pg 127 Table 32 - 1 plant = 6667F-11

8 y/y " " " - pg 127

(4 Spurs/4++)

4. Property of 6667F-11 = 6884

20 Y/y navigated tools - pg 128 Table 33.

(4 Spurs/4++ plus 2 other Spurs)

5. Property of 6629A-2 main ear = 6668

9 Y/y = page 129, Table 34. 6668C-6; 6668C-3

(Pn+/2 Spurs)

6. Property of 6668C-6 = 6877

10 navigated Pn leaves. - Table 34

(W++/ on spur plus 1 spur, new leaves)

7. Property of 6668C-3 = 6872

30 navigated Pn leaves: page 130 - 137 Table 35. 6872A-12

(W+Spurs/W++)

8. Property of 6872A-12 = 7285

13 navigated W+ leaves = page 132, Table 36, 37, 38; 7285A-1 axel on: 7330

" A-2 axel " = 7331

" A-7 Telegram = 7332

" B-6 ishear = 7333

" 8-6 ishear = 7334.

7285A-1, 2, 7, B-6 = all W+/ms/yu

9. Progeny of 7330, 7332, 7333, 7334 - page 133-134. Table 39, 40, 41

10 Progeny of 7285A-1 Villes = 7331. page 135. Table 42
(W+/ms; 1Spm, wou-Lmax)

11. Progeny of 6666C-7 = 6895, page 136-139. 6895A-1 = 7260
(1Spm, protein supbrews) 6895B-3 = 7261
(YSm/yt)

12. Progeny of 6895A-1 = 7260. page 139-140 Table 43
W+/ms

13. Progeny of 6895B-3 = 7261. page 143-145 Table 44.

14. Progeny of 6704B-4 (YSm/yt) = 6888 pg 149 Table 45
(YSm/yt plus 1Spm, wou-Lmax)

15 Progeny of 6629A-5 = 6671, 6672. pg 152, Table 46
6671F-2 = 6673

16. Progeny of 6671F-2 (W+/ms/yu) page 153, Table 47

Segregation in Y chromosome in progeny of plant 6629A-8: cultured 66 76.

Ratio — Plants selfed 9.7[11] Classifying tissue

No. of Plants	No. of Seeds		Pale		Variegated		Totals	
			Y	y	Y	y		
I YSpm / y +								
14	18	1:1	655	1508	1330	647	4140	
II YSpm	Spm / y+ +							
3	4	1:2	35	296	411	169	911	
III Y Spm	Spm / y + +							
13	14	1:2	224	475	864	690	2253	
6667 F-	1 (selfed)		6	102	121	39	268	
Progeny of 6854: 1	from 9.7A, Y Normal							
I YSpm / y +								
3	3	1:1	126	420	348	106	1000	
II Y Spm	Spm / y + +							
12	12	1:2	138	868	1330	616	2952	
II Y Spm	y + plus Spm							
2	2	1:3	55	131	260	230	682	

New positions + actions of Spain

66297A-1 Spain/ μ + 35% combinations

gave Spain/ μ + 5% combinations - 6895

Pn Spain/ μ + 35% " - 6895

Pn Spain-ω/ μ + 6886

ω Spain/ μ + 33% " 6895 B ③

Spain/ μ + 45% " 6866

66297A-2

Pn Spain/ μ + 12% combinations

66297A-4

Pn Spain-ω/ μ +
Spain-ω - evidence not found.

66298 ⑤ = Pn Spain Spain/ μ + + gave - 35% Pn Spain/ μ +
21% Pn Spain/ μ -

Continue -

1) Plant 6666C-7. = 2 seed bottles. Table 26 - Descendants -

1. Ratio of Hemizygous: 70 pale : 27 var. no obs. but white Y or W+ or O var.

2) Plants grown from stem summer 1955 = 6895 A = Y W+ hemi; B = y W+ hemi.

6895 A-1 YSpm/y + plus 1Spm

A-2 YSpm/y + very close linkage of Spm with Y – Culture 7260 stable position

B-1 1Spm - not linked to Pn or W+

B-2 Pn2Spm/pn2 + 34% reverts

B-3 W+Spm/w+ + = culture 7261 - unstable position

3) no - 6873 - From 6671F② W+ + / 2 sets Spm - Recombinants = work in 26.9

Plant 6666E⑩ I+Z - culture 6869, 6865

Plant 6665 G-㉑ - " 6867

4)

6693 - 6685 Cultures

Table 31

Spm locations in Y chromosome in progeny of plant 6629A-8: culture 6676

Spm constitution of culture 6676	No. of plants	Approx. Ratio Pale : Var.	No. of Plants	No. of Cons.	Plant types & Total Cons. Kernels				Total	Y : y
					Pale		Variegated			
					Y	y	Y	y		
1) Y Spm / y +		1 : 1	14	18	655	1508	1330	647	4140	1985 : 2155
3) Y Spm Spm / y ++		1 : 2	3	4	35	296	411	169	911	446 : 465
2) Y Spm Spm / y ++		1 : 2	13	14	224	475	864	690	2253	1088 : 1165
Parent cons: 6629A-8 mature Y Spm Spm / y ++		1 : 2	1	1	19	56	66	53	194	85 : 109
4) adult types										
6676B-7 1st cons					46	59	88	71	264	
" " 2nd "					37	62	49	39	187	
6676C-4					48	149	181	84	460	
5) M Y plants 1 Spm			3		—	568	—	552	1120	
M y " 2 Spm			1		—	35		93	128	

Explanation

✓

1) meaning of reduced ratio - [illegible]

2) Y Spm / y + = [illegible]

3) one Spm close to Y in 2 plants = [illegible]

4) Both Spm [illegible] in plants in 3.

Released

5) Linkage recombination = 31.4

Part I

Table 2

1. Spm. number and location in plant 6667 F-11 derived from tiller ear of plant 6629 A-2. Part II. Spm number and location in progeny derived from variegated Y kernels on ear of plant 6667 F-11.

Part I

Constitution	Appor. Ratio. Pale: variegated	No. Plants	Number of ears.	Phenotypes of a.m. kernels on Ext-ears: Pale Y	Pale y	Variegated Y	Variegated y	Total	Y : y
1 Plant in culture 6667 from tiller ear of 6629A-2:									
1) 6667 F-11 Y Spm Spm / y + +	1 : 1+	1	1	6	102	121	39	268	127 : 141
Part II Progeny of var. Y kernels in part I. (culture 6884)									
2) Y Spm / y +	1 : 1	3	3	126	420	348	106	1000	474 : 526
3) Y Spm Spm / y + +	1 : 2	12	12	138	868	1330	616	2952	1468 : 1484
4) Y Spm / y + plus 1 non-twisted Spm	1 : 3	2	2	55	137	260	230	682	315 : 367
In plants in test									
1) 23	No records based on								