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Linkage Tests of waxy1 Marked Reciprocal Translocations obtained from the collection of William Findley

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In the collection of A-A translocation stocks maintained at MGCSC is a series of waxy1-linked translocations that are used for mapping unplaced mutants. Over the last decade, new wx1-linked translocations have been introduced into this series from various Cooperators.

We report here the positive results of two-point linkage tests for three of these new accessions. The linkage tests were set up as modified backcrosses as indicated. These new *wx1* marked translocations have been propagated and are now available for distribution. Additional Findley translocation stocks will be tested as time allows.

Table 1. wx1 T4-9e (4S.53; 9L.26)

A) The Findley source showed linkage of wx1 with su1.

Two-point linkage data for *su1-wx1* T4-9e

Testcross: [Sul wxl T4-9e x sul Wxl N] x sul wxl N

source:2004-1216-3^Findley

Region	Phenotype	No.	Totals
0	+ wx	542	
	su Wx	475	1017
1	+ Wx	146	
	su wx	46	192 / 1209

[%] recombination sul-wxl=15.9+1.1

Table 2. *wx1* **T4-9g** (4S.27; 9L.27)

A) The Findley source showed linkage of wx1 with su1.

Two-point linkage data for *su1-wx1* T4-9g

Testcross: [Sul wxl T4-9g x sul Wxl N] x sul wxl N

source:2004-1217-3^Findley

Region	Phenotype	No.	Totals
0	+ wx	393	
	su Wx	328	721
1	+ Wx	128	
	su wx	90	218 / 939

[%] recombination sul-wxl=23.2+1.4

Table 3. *wx1* **T7-9(027-9)** (7L.61; 9S.18)

The Findley Source showed linkage of wx1 with gl1.

Two-point linkage data for *gl1-wx1* T7-9(027-9).

Testcross: [Gl1 wx1 T7-9(027-9) x gl1 Wx1 N] x gl1 wx1 N

source:2004-1223-1^Findley

Region	Phenotype	No.	Totals
0	Wx gl	633	
	wx +	710	1343
1	Wx +	144	
	wx gl	122	266/1609

[%] recombination gll-wxl= 16.5 ± 0.9