

Supporting information for Yao *et al.* (April 16, 2002) *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.082562199.

**Table 3. RFLP hybridization patterns associated with intergenic recombination events**

		Restriction enzymes and probes used to detect RFLPs						
Haplotype	Class*	<i>EcoR</i> I			<i>Bgl</i> III		<i>EcoR</i> I	No. of events <sup>§</sup>
		php10080	a1-4300	9-10a5-800	x1-400	2-32a2-1000 <sup>‡</sup>	sh2-1000	
35 <i>Al</i> * <i>sh2</i>	1a	LC <sup>†</sup> (9.5)	N <sup>†</sup> (8.8)	N (8.8)	a1 (3.0)	a1	a1 (>12)	11
	2a	LC (9.5)	LC (6.8)	N (3.9)	a1 (3.0)	a1	a1 (>12)	8
	3a	LC (9.5)	LC (6.8)	LC (4.3)	a1 (3.0)	a1	a1 (>12)	8
	4a	LC (9.5)	LC (6.8)	LC (4.3)	LC (10)	a1	a1 (>12)	5
	5	LC (9.5)	LC (6.8)	LC (4.3)	LC (10)	LC	a1 (>12)	1
	6	a1 <sup>†</sup> (>12)	LC (6.8)	LC (4.3)	a1 (3.0)	a1	a1 (>12)	2
66 <i>al</i> * <i>Sh2</i>	1b	a1 (>12)	N (7.5)	LC (4.3)	LC (10)	LC	LC (3.5)	8
	2b	a1 (>12)	N (9.9)	LC (4.3)	LC (10)	LC	LC (3.5)	26
	3b	a1 (>12)	a1 (9.5)	a1 (9.5)	LC (10)	LC	LC (3.5)	31
	4b	a1 (>12)	ND <sup>†</sup>	a1 (9.5)	N (3.5)	LC	LC (3.5)	1

\* Pairs of class 1a/1b, 2a/2b, 3a/3b, and 4a/4b represent hybridization patterns that resulted from reciprocal crossover events.

† LC and a1: hybridization patterns indistinguishable from those of the Line C and *a1::rdt sh2* stocks, respectively. N: novel (nonparental) hybridization pattern. ND: no data. Sizes of fragments (in kb) detected by the indicated RFLP markers are shown in parentheses.

‡ Multiple hybridization bands were detected in both the Line C and *a1::rdt sh2* stocks with this probe. A 5.5-kb fragment that is specific to Line C and that cosegregates with the *A1-LC Sh2* haplotype was used for mapping purpose.

§ One class 2b, one class 3b and one class 4b event were not subjected to hybridization with probe a1-4300. One class 1b event and one class 2b event were subjected to RFLP analysis with probe x1-400 only. All of these events were analyzed by PCR using allele-specific primers that can detect polymorphisms in the *a1*, *yz1*, and *sh2* loci.