

**Supplement-Masonbrink and Birchler**



**S1** A plant with thirteen full-sized B chromosomes showing reduced vigor, a zigzag pattern of growth at internodes, white longitudinal leaf striping, and branching.



**S2** Leaf of a plant with 12 B's showing asymmetric leaves and lengthwise white stripes.

Supplemental Table 1

Gene Name	Primers	PCR product length	Source BAC	Accession Number
Elongation factor1-gamma 3	AAATTTATGGCGTGTATAAAACAAAA GCAACCCTAGATTTTCGCTTC	3.3kb	240f20	AC204632
Auxin independent growth promoter	GCGTCGGTGACTGGCATA TGCCCTGATGCAACATATATCT	3.6kb	272b9	AC195262
Protein phosphatase type-2c	TCGATAGAGAAGGTGTCATCTATATCT CTGCTACGGTTTAACGATTGC	4.7kb	114p3	AC207260

**Supplemental Table 1** The three gene specific probes used to identify a proximal site on 6L.