

**Table S7 Semi-quantitative crossover data for the  $bb^{M3}$  set of crossover minichromosomes**

marker	crossover minichromosome:								
	m3	m5	m9	m4	m8	m2	m6	m10	m7
R2916	++	+	+						
R2784	+++	++	++	++	++	+			
R2166	+++	++	++	++	++	++	+	+	+
R2059	+	+	+	+	+	+	+	+	+
R1767	+								
R1355	nc	nc	nc	nc	nc	nc	nc	nc	nc
R0963	+++	++	++	++	++	+	+	+	
R0910	++	+	+	+	+	+	+	+	
R0750	nc	nc	nc	nc	nc	nc	nc	nc	nc
S3887	+	+	+	+	+	+	+	+	+
S3542	+	+	+	+	+	+	+	+	+
S3518	+	+	+	+	+	+	+	+	+
S3266	++	+	+	+	+	+			
S3079	++	+	+	+	+	+	+	+	+
S3030	++	+	+	+	+	+	+	+	+
S2876	+	+	+	+	+	+	+	+	+
S2785	+	+	+	+	+	+	+	+	+

The band intensities of the nine R2/1 and eight IGS markers were estimated for the *Rex*-magnified  $bb^{M3}$  crossover minichromosome set (Figure S2). Columns are arranged from left to right, based on decreasing number or intensities of the markers. The gel image did not permit scoring two markers.

+ = marker present

++ = marker distinctly more abundant than +

+++ = marker distinctly more abundant than ++

nc = marker not classifiable in gel