

Mo17	GGCGGTTATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGGGGTGGGATGCCCGGCATGCGGAGCGGCGGGACAAAGGTT
IBM003	GGCGGTTATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGGGGTGGGATGCCCGGCATGCGGAGCGGCGGGACAAAGGTT
IBM097	GGCGGTTATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGGGGTGGGATGCCCGGCATGCGGAGCGGCGGGACAAAGGTT
IBM182	GGCGGCATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGCGGTGGGATGCCCGGCATGCGGAGCGGCGGTACGAGGTT
IBM270	GGCGGTTATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGGGGTGGGATGCCCGGCATGCGGAGCGGCGGGACAAAGGTT
IBM304	GGCGGTTATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGGGGTGGGATGCCCGGCATGCGGAGCGGCGGGACAAAGGTT
B73	GGCGGCATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGCGGTGGGATGCCCGGCATGCGGAGCGGCGGTACGAGGTT
IBM009	GGCGGCATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGCGGTGGGATGCCCGGCATGCGGAGCGGCGGTACGAGGTT
IBM062	GGCGGCATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGCGGTGGGATGCCCGGCATGCGGAGCGGCGGTACGAGGTT
IBM144	GGCGGCATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGCGGTGGGATGCCCGGCATGCGGAGCGGCGGTACGAGGTT
IBM234	GGCGGCATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGCGGTGGGATGCCCGGCATGCGGAGCGGCGGTACGAGGTT
IBM327	GGCGGCATGGGCGGCGGTGGCATGGGCGGCAGCGGCATGGGCGGTGGGATGCCCGGCATGCGGAGCGGCGGTACGAGGTT

Figure S9 Sequence alignment of fragment 9 (F9) among parents and selected DH lines of the IBM Syn10 DH population. IBM003, IBM097, IBM182, IBM270, and IBM304 in green rectangular are high-REC lines, and IBM009, IBM062, IBM090, IBM144, IBM234, and IBM327 in blue rectangular are low-REC lines. The bases in red boxes represent the SNP locus in F9.