

Mo17	TCAAAGCTTTGGACTGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAAATTATTGATGAGAGTAGCAGCAGT
IBM003	TCAAAGCTTTGGACTGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAAATTATTGATGAGAGTAGCAGCAGT
IBM097	TCAAAGCTTTGGACTGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAAATTATTGATGAGAGTAGCAGCAGT
IBM182	TCAAAGCTTTGGACTGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAAATTATTGATGAGAGTAGCAGCAGT
IBM270	TCAAAGCTTTGGACTGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAAATTATTGATGAGAGTAGCAGCAGT
IBM304	TCAAAGCTTTGGACTGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAAATTATTGATGAGAGTAGCAGCAGT
B73	TCAAAGCTTTGGACTAGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAACTATTGATGAGAGTAGCAGCAGT
IBM009	TCAAAGCTTTGGACTAGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAACTATTGATGAGAGTAGCAGCAGT
IBM062	TCAAAGCTTTGGACTAGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAACTATTGATGAGAGTAGCAGCAGT
IBM144	TCAAAGCTTTGGACTAGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAACTATTGATGAGAGTAGCAGCAGT
IBM234	TCAAAGCTTTGGACTAGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAACTATTGATGAGAGTAGCAGCAGT
IBM327	TCAAAGCTTTGGACTAGGCAGTGTGCTACCACCATCTTTACATAATCAAGTTCCACAGGAACTATTGATGAGAGTAGCAGCAGT

Figure S2 Sequence alignment of fragment 2 (F2) 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 F2.