

Mo17	CTGCAGGCTG T GTGGCTCTCATGCTTCTCATCACACCAAC C CATGGTGACTCCGATTCCGGAGCAGAG --- CTACAAGATGGCTCG
IBM003	CTGCAGGCTGCGTGGCTCTCATGCTTCTCATCACACCAAC C CATGGTGACTCCGATTCCGGAGCAGAG --- CTACAAGATGGCTCG
IBM097	CTGCAGGCTG T GTGGCTCTCATGCTTCTCATCACACCAAC C CATGGTGACTCCGATTCCGGAGCAGAG --- CTACAAGATGGCTCG
IBM182	CTGCAGGCTG T GTGGCTCTCATGCTTCTCATCACACCAAC C CATGGTGACTCCGATTCCGGAGCAGAG --- CTACAAGATGGCTCG
IBM270	CTGCAGGCTG T GTGGCTCTCATGCTTCTCATCACACCAAC C CATGGTGACTCCGATTCCGGAGCAGAG --- CTACAAGATGGCTCG
IBM304	CTGCAGGCTG T GTGGCTCTCATGCTTCTCATCACACCAAC C CATGGTGACTCCGATTCCGGAGCAGAG --- CTACAAGATGGCTCG
B73	CTGCAGGCTGCGTGGCTCTCATGCTTCTCATCACACCAACACATGGTGACT C TGATTCCGGAGCAGAGGAGCTACAAGATGGCTCG
IBM009	CTGCAGGCTGCGTGGCTCTCATGCTTCTCATCACACCAACACATGGTGACTCCGATTCCGGAGCAGAGGAGCTACAAGATGGCTCG
IBM062	CTGCAGGCTGCGTGGCTCTCATGCTTCTCATCACACCAACACATGGTGACTCCGATTCCGGAGCAGAGGAGCTACAAGATGGCTCG
IBM144	CTGCAGGCTGCGTGGCTCTCATGCTTCTCATCACACCAACACATGGTGACTCCGATTCCGGAGCAGAGGAGCTACAAGATGGCTCG
IBM234	CTGCAGGCTGCGTGGCTCTCATGCTTCTCATCACACCAACACATGGTGACTCCGATTCCGGAGCAGAGGAGCTACAAGATGGCTCG
IBM327	CTGCAGGCTGCGTGGCTCTCATGCTTCTCATCACACCAACACATGGTGACTCCGATTCCGGAGCAGAGGAGCTACAAGATGGCTCG

Figure S4 Sequence alignment of fragment 4 (F4) 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 F4.