

Table S1. The genetic information of single segment substitution line (SSSL) R445

Primer	Primer sequence (5'-3')	Chromosomal location (bins)	Genetic location (cM)	Physical location (bp)
umc1528	F: AGTTCAACTGCTTAAGATCCGGTG	3.07	544.4	198,039,220 198,039,356
	R: GTCTGTCGTTGTGTGCCAGTG			
umc1489	F: TTAATAGCTACCCGCAACCAAGAA	3.07	567.7	201,987,448 201,987,552
	R: CTGAGCCACAGTACCTTGCTGTT			