

Table 2 Major QTL information detected in the four trials

Trait name	Chromosome	Position	Left marker	Left marker position (cM)	Right marker	Right marker position (cM)	LOD	PVE (%)	Additive effect
2009HN	11	32.0000	2_04894	31.700	2_05775	32.124	9.5814	32.5473	0.6073
2009SX	11	29.0000	2_16920	28.726	2_00386	29.150	4.6090	15.5222	0.3337
2010HN	11	32.0000	2_04894	31.700	2_05775	32.124	7.9640	15.8725	0.3680
2010SX	11	36.0000	2_02276	34.780	2_48914	36.519	4.7755	12.3078	0.4480