

Table 1 'Huayou 14' hybrid and its parental primer screening results

Number	Primer	Chromosomes	Primer set	Annealing temperature (°C)	Primer sequence (5'→3')
A01	RM583	1	I	55	5'Primer: agatccatccctgtggagag 3'Primer: gcgaactcgcggttgaatc
A05	RM274	5	I	55	5'Primer: cctcgcttatgagagcttcg 3'Primer: ctctccatcactcccatgg
A07	RM336	7	I	55	5'Primer: cttacagagaaacggcatcg 3'Primer: gctggtttgttcaggttcg
A11	RM209	11	I	55	5'Primer: atatgagttgctgctgctgcg 3'Primer: caacttgcacctcccctcc
A12	RM19	12	I	55	5'Primer: caaaaacagagcagatgac 3'Primer: ctcaagatggacgccaaga
B01	RM1195	1	II	55	5'Primer: atggaccacaacgaccttc 3'Primer: cgactccctgttctctgg
B03	RM232	3	II	55	5'Primer: ccggtatcctctgatattgc 3'Primer: ccgacttttctcctgacg
B06	RM253	6	II	55	5'Primer: tcctcaagagtgcaaaacc 3'Primer: gcattgtcatgtcgaagcc
B10	RM258	10	II	55	5'Primer: tgctgtatgtagctcgcacc 3'Primer: tggcctttaaagctgtgcg
C02	RM561	2	III	55	5'Primer: gagctgttttgactacggc 3'Primer: gagtagcttttcccacccc
C11	RM21	11	III	55	5'Primer: acagtattccgtaggcacgg 3'Primer: gctccatgagggtgtagag
D02	RM490	1	IV	55	5'Primer: atctgcacactgcaaacacc 3'Primer: agcaagcagtgcttcagag
D04	RM423	2	IV	55	5'Primer: agcaccatgccttatgttg 3'Primer: ccttttcagtagcctccc
D09	RM542	7	IV	55	5'Primer: tgaatcaagcccctcactac 3'Primer: ctgcaacgagtaaggcagag
D12	RM7102	12	IV	55	5'Primer: taggagtgttagagtcca 3'Primer: tcggttgcttatacatcag