

Supplementary Table 1. SSR markers used in background selection for the development of Ciherang-Sub1+AG1.

Marker	Chromosome	Distance (Mb)	Repeat Type and Length	Size in Reference	Forward Primer	Reverse Primer
RM10115	1	2.2	CTT)24	245	acaagacgaggtaacacgcaagc	gcgaaggatcaacgatgatatgg
RM572	1	9.9	(TC)14	159	cggttaatgtcatctgattgg	ttcgagatccaagactgacc
RM449	1	15.3	(AG)12	116	ttgggaggttgataaggc	accaccagcgtctctctc
RM543	1	33.1	(GCG)10	98	ctgctgcagacttactgcg	aaatattaccatcccccc
RM279	2	2.9	(GA)16	174	gcgaggagggatctct	ggctaggagttaacctcgcg
RM12713	2	6.4	(TA)19	281	tgggttgtaactaatccctgc	catttcccacctcacatttctcc
RM327	2	20	(CAT)11(CTT)5	213	ctactcctctgtccctcctc	ccagctagacacaatcgagc
RM13628	2	25.1	(CT)22	282	tatgccacgaatgacctaaacc	ctccatattgcagcgacaatcg
RM561	2	32.7	(GA)11	190	gagctgtttggactacggc	gagtagctttctcccacccc
RM482	2	35.3	(AT)9	188	tctgaaagcctgactcatcg	gtcaattgcagtgcccttc
RM231	3	9.9	(CT)16	182	ccagattattcctgaggtc	cacttgcatagttctgcattg
RM169	5	7.5	(GA)12	167	tggctgctccgtggtagctg	tcccgttcccgttcacctcc
RM20934	7	2.2	(CCT)9	80	attgccgctgcttagaaatcc	gaaggaatttatcggggaacagc
RM214	7	12.8	(CT)14	112	ctgatgatagaaacctcttc	aagaacagctgacttcaaa
RM500	7	15.9	(AAG)9	259	gagcttcccagagtggaaaag	gttacaccgagagccagctc
RM210	8	22.3	(CT)23	140	tcacattcgggtggcattg	cgaggatgggtgttctacttg
RM72	8	24.5	(TAT)5C(ATT)15	166	ccggcgataaacaatgag	gcatcggctctaactaagg
RM281	8	27.7	(GA)21	138	accaagcatccagtgaccag	gttcttcatacagtcacatg
RM316	9	1	(GT)8-(TG)9(TTTG)4(TG)4	192	ctagttggcctacgatggc	acgcttatattgttacgtcaac
SC12	9	3.9	(ATAA)20	329	acacagcctaaaggtgttctgagc	gagcttccggccctatagtctctc
RM23833	9	5.4	(CGG)8	199	taccaaaggaagcggttctg	ttcttagttgccttctcggc
SC25	9	7	(ATA)27	288	cgattgtgtcagcgtgaattag	gcatgcatgattgaagatttgaag
RM524	9	12.9	(AT)11	198	tgaagagcaggaaccgtagg	tctgatacggttccttcgg
RM330	10	25.1	(CAT)5	177	caatgaagtggatctcggag	catcaatcagcgaaggctc
RM206	11	22	(CT)21	147	cccattcgtttaactattct	cgttccatcgatccgatgg
RM313	12	20.8	(GT)6CA(CG)5-6-(GT)8	111	tgctacaagtgttcttcaggac	gctcacctttgtgtccac