Table S2. Characteristics of SSR markers for *Arabidopsis thaliana*.

Marker	Chr.	Physical position (bp)	Motif	Product size in Col-0 (bp)	Primer sequence forward	Primer sequence reverse
F21M12	1	3212191	GAAA	201	GGCTTTCTCGAAATCTGTCC	TTACTTTTTGCCTCTTGTCATTG
MSAT1.10	1	7296649	AT	235	ATGGTGAGATACTGAGATTAT	CGAGAAGGTCTAAAGGTA
T27K12	1	15926702	AT	146	GGAGGCTATACGAATCTTGACA	GGACAACGTCTCAAACGGTT
NGA128	1	20633251	AG	180	GGTCTGTTGATGTCGTAAGTCG	ATCTTGAAACCTTTAGGGAGGG
F5I14	1	24374008	A	196	CTGCCTGAAATTGTCGAAAC	GGCATCACAGTTCTGATTCC
NGA692	1	28841544	GA	119	TTTAGAGAGAGAGAGCGCGG	AGCGTTTAGCTCAACCCTAGG
MSAT2.38	2	2457014	AT	180	TGTAACGCTAATTTAATTGG	CGCTCTTTCGCTCTG
MSAT2.36	2	8685521	AG	158	GATCTGCCTCTTGATCAGC	CCAAGAACTCAAAACCGTT
MSAT2.22	2	19632943	AT	248	CGATCCAATCGGTCTCTCT	TGGTAACATCCCGAACTTC
NGA172	3	786303	AG	166	CATCCGAATGCCATTGTTC	AGCTGCTTCCTTATAGCGTCC
NT204	3	5570082	TA	150	TGGAAGCTCTAGAAACGATCG	ACCACCTAAACCGAGAATTGG
MSAT3.10	3	17255200	AT	293	CTCCATTGGGCAGAGAGAAC	TGGCATTGTCCCTATGGG
MSAT3.18	3	21387949	AT	267	TACCTCAAAAGAGCAAACA	TCATACCTACATATTGCCCT

Table S2 continued.

MSAT4.8	4	407010	AG	202	GTTGGGTTTAGTTGGTAACA	CGGGTAAAGACAGAGCAT
NGA8	4	5628810	AG	157	GAGGGCAAATCTTTATTTCGG	TGGCTTTCGTTTATAAACATCC
MSAT4.15	4	9362588	AG	174	TTTCTTGTCTTTCCCCTGAA	GACGAAGAAGGAGACGAAAA
MSAT4.13	4	15297044	AG	226	GGAACAAGAACACAGTGAA	ATAAATCTAGGCAGGACAAG
MSAT4.37	4	18336495	AT	139	CGTTTCATCAAGTTCCGA	TAGGAGGTTATCATGCGTG
NGA249	5	2770217	AG	125	TACCGTCAATTTCATCGCC	GGATCCCTAACTGTAAAATCCC
MSAT5.14	5	7498509	AT	221	AACAACCCTATCTTCTTCTG	TGTGACCCCTTACTCAATA
NGA76	5	10418614	GA	250	GGAGAAAATGTCACTCTCCACC	AGGCATGGGAGACATTTACG
ATHS0191	5	15021915	ATG	166	TGATGTTGATGGAGATGGTCA	CTCCACCAATCATGCAAATG
MSAT5.5	5	22491371	AG	154	CGATCATATAAATTCGAATCC	GATTATCTCGCATGTTTATCA
MSAT5.19	5	25924795	AT	208	AACGCATTTGCTGTTTCCCA	ATGGTTATCTCATCTGGTCT