

Table 2: Characteristics of the SSR molecular markers used.

SSR Name	Chr .	SSR motif	N° of alleles	Forward primer (5'-3')	Reverse primer (5'-3')	Annealing temp. (°C)
TMS63	1	(AT) ₄ (GT) ₁₈ (AT) ₉ ⁽¹⁾	3 ⁽¹⁾	GCAGGTACGCACGCATATAT	GCTCCGTCAGGAATTCTCTC	55
SSR5	2	(CAA) ₆ ⁽¹⁰⁾	1 ⁽²⁾ ; 3-6 ⁽¹¹⁾	TGGCCGGCTTCTAGAAATAA	TGAAATCACCCGTGACCTTT	50
SSR96	2	(AT) ₁₂ ⁽¹⁰⁾	3 ⁽²⁾ ; 4-6 ⁽¹¹⁾	GGGTTATCAATGATGCAATG G	CCTTTATGTCAGCCGGTGTT	50
TMS58	3	(TA) ₁₅ (TG) ₁₇ ⁽¹⁾	2 ⁽¹⁾	CATTTGTTGTATGGCATCGC	CAGTGACCTCTCGCACAAA A	55
SSR111	3	(TC) ₆ or (TCTG) ₆ ⁽¹⁰⁾	2 ⁽²⁾ ; 3-5 ⁽¹¹⁾	TTCTTCCCTTCCATCAGTTCT	TTTGCTGCTATACTGCTGAC A	50
Tom47-48	3	(AT) ₁₀ ⁽³⁾	4 ⁽⁴⁾ ;8-9 ⁽⁵⁾	CAAGTTGATTGCATTACCTAT T G	TACAACAACATTTCTTCTTC CT T	50
SSR43	4	(TAC) ₇ ⁽¹⁰⁾	2 ⁽¹¹⁾ -3 ⁽²⁾	CTCCAAATTGGGCAATAACA	TTAGGAAGTTGCATTAGGCC A	50
Tom152-153	5	(TA) ₉ ⁽³⁾	3 ⁽²⁾ -4 ⁽⁶⁾	ATTCAAGGAACTTTTAGCTC C	TGCATTAAGGTTCATAAATG A	50
TMS60	7	(AT) ₁₃ (CA) ₂₃ (AT) ₂₂ ⁽¹⁾	1-2 ⁽⁴⁾ , 5 ⁽⁵⁾	ATGCAGTTCCAAGCATCATT	TTGCCACATTAATGTTGAAG	50
LELEUZI P	8	(AAG) ₆ - 1TT (GAT) ₇ ⁽⁶⁾	4 ⁽⁶⁾ , 5 ⁽⁷⁾	GGTGATAATTTGGGAGGTTA C	CGTAACAGGATGTGCTATAG G	50
SSR327	8	(AAT) ₇ ⁽⁸⁾	n.a.	TCAGGATCAGGAGCAGGAG T	TGGACTTGTTCCATGAACCC	50
Tom236-237	9	(AT) ₁₆ ⁽³⁾	5 ⁽⁴⁾ , 8-10 ⁽⁵⁾	GTTTTTCAACATCAAAGAG CT	GGATAGGTTTCGTTAGTGAA CT	50
SSR383	9	(AT) ₁₁ ⁽¹⁰⁾	2 ⁽¹¹⁾	ATTGTACAAAGACCCGTGGC	GTTGCACACTGGATCAATGC	50
LECHI3	10	(TA) ₆₋₁ (GA) ₄ ⁽⁶⁾	2 ⁽⁶⁾	TAACAATCAAAAAGAACTTCG C	ATCCCCTTATTGATTACATCC	50
TMS42	11	(AT) ₁₇ (GT) ₁₈ ⁽⁹⁾	5 ^(5,8)	AGAATTTTTTCATGAAATTGT C C	TATTGCGTTCCACTCCCTCT	50
TMS52	12	(AC) ₁₄	1-5 ⁽⁴⁾ ,	TTCTATCTCATTGGCTTCTT C	TTACCTTGAGAATGGCCTTG	50

		(AT) ₁₈ ⁽¹⁾	9 ⁽⁵⁾			
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(1) Areshchenkova and Ganal 2002, (2) Hu *et al.* 2012, (3) Suliman-Pollatschek *et al.* 2002, (4) Mazzucato *et al.* 2010, (5) Mazzucato *et al.* 2008, (6) Smulders *et al.* 1997, (7) Alvarez *et al.* 2001, (8) Frary *et al.* 2005, (9) Areshchenkova 2000, (10) <https://solgenomics.net/>, (11) <https://tomato.cfaes.ohio-state.edu/>
n.a. not available