

**Supplemental table 5. Molecular markers on chromosome 6 of tomato.**

Marker name	Marker type	Primer sequence (5'-3')	Annealing temperature	Restriction enzyme	Reference	Location on Tomato WGS Chromosomes (SL2.40)	Letter used in figure 2
M-H309K01	CAPS	F AGCCCCGAGAAAGACTTGT R TTTTAAAGGGGTGTGCCAAG	60°C	<i>Hpy</i> F3I	Verlaan 2011	SL2.40ch06:3571844..3571863 SL2.40ch06:3571219..3571238	
T1563	CAPS	F ACTTCACCTACAAATCCTCCAGA R GCCCTTCCCAATCCAGCAGT	56°C	<i>Taq</i> I	Ji 2007	SL2.40ch06:29260641..29260664 SL2.40ch06:29259047..29259066	
T0774	CAPS	F CTCCTCAACTGGTAATTCTCAGG R GCAAACCAAAATACATCGGTATCAC	55°C	<i>Mnl</i> I	Ji 2007	SL2.40ch06:30027683..30027706 SL2.40ch06:30027028..30027052	
MSc05732-3	CAPS	F ATGCTTTTCGAGCACGAGCT R AGCCTAAAGAGAACTAGGCAGGGGA	55°C	<i>Rsa</i> I	Verlaan 2011	SL2.40ch06:30523528..30523548 SL2.40ch06:30524212..30524236	
MSc05732-4	CAPS	F ACGAGATGGAGCGGTCTCAAGCT R GACAGATCTCCCGGTAGGAGAGCA	55°C	<i>Dde</i>	Verlaan 2011	SL2.40ch06:30600857..30600880 SL2.40ch06:30601501..30601524	
SL_2.40ch06_30.696 (Ty-3-M1)	CAPS	F TCTGAATGCAGGGTAATCATGT R TGATTTGAGGCTCATAGAACC	60°C	<i>Msp</i> I	Hutton 2011	SL2.40ch06:30696326..30696347 SL2.40ch06:30696915..30696936	
HBa0161K22 (Ty-3-M3)	CAPS	F AGCTCTCCAGGAGCAGTTTG R CCCTCAAATAGTTTCAAAATACG	58°C	<i>Mse</i> I	Hutton 2011	SL2.40ch06:30814757..30814777 SL2.40ch06:30815261..30815285	A
UF_TY3-P1	CAPS	F AAGGAGGATCTGGCTGCTTT R GTTGTTTGAATCGCTTCT	55 °C	<i>Alu</i> I	Present	SL2.40ch06:30816304..30816323 SL2.40ch06:30816698..30816717	B
UF_TY3-P3	CAPS	F TCAATTTTCACTGTTCTGACT R CAAGAGTGAGGTTGTTCTTGATG	55 °C	<i>Bst</i> N I	Present	SL2.40ch06:30821240..30821261 SL2.40ch06:30821517..30821539	C
WU_M17	Sequence based	F CCCCTTAGGAACATTCGCTCTCA R AGGTTAGGGAACAAGCCAAGGCA	55°C	n/a	Present	SL2.40ch06:30824901..30826100 SL2.40ch06:30826113..30826135	D
FOS00169A13 (Ty-3-M4)	CAPS	F AGCTATCAGCTGCCAGAGACAT R CACCATCTGATCCAGAGAGC	56°C	<i>Mse</i> I	Hutton 2011	SL2.40ch06:30852074..30852095 SL2.40ch06:30852469..30852492	E
WUR_M25	Sequence based	F TGCCAGACTCAGCATTAGTTGGGG R TGTCCTCATGCCACACTTCCA	55°C	n/a	Present	SL2.40ch06:30868214..30868238 SL2.40ch06:30869157..30869180	F
UF_TY3-P18	CAPS	F AAGGTGCGGAGTGAAATTCT R TTGGTGAGCGGTTGATACAC	55 °C	<i>Hinf</i> I	Present	SL2.40ch06:30872101..30873200 SL2.40ch06:30873067..30873086	G
WU_M27	Sequence based	F TGTATCTCCAGGCTCTCTGT R ACCTGTGGTAAGGTAGTGCAGGA	55°C	n/a	Present	SL2.40ch06:30875560..30875582 SL2.40ch06:30876226..30876248	H
UF_TY3-P19	SCAR	F CGTCTGCTTAATGTGGCAAT R CAACGGAGGAGCATATCAT	55 °C	n/a	Present	SL2.40ch06:30876061..30876081 SL2.40ch06:30876451..30876470	I
WU_M29	Sequence based	F TCTCACTATGAGCCACTGCTCGT R TCCTGAATCGGCTCTGATTTGGA	55°C	n/a	Present	SL2.40ch06:30880703..30880726 SL2.40ch06:30881414..30881437	J
WU_M31	Sequence based	F GCCTGGACGAATGGAGGAC R ATGGGCATCGTCACTCGCG	55°C	n/a	Present	SL2.40ch06:30885455..30885475 SL2.40ch06:30886383..30886402	K
UF_TY3-P23	CAPS	F CAGAAAGGCGGATGAATAA R GCGCAATGGAGGTAATAAAG	55 °C	<i>Alu</i> I	Present	SL2.40ch06:30886934..30886953 SL2.40ch06:30887313..30887332	L
UF_TY3-P24	CAPS	F TGGTCTCCCTTAACCATTTG R TGGAACCGTGAAGGAAGAAC	55 °C	<i>Dpn</i> II	Present	SL2.40ch06:30890519..30890538 SL2.40ch06:30890878..30890897	M
SL_2.40ch06_30.891 (Ty-3-M5)	CAPS	F CCGAAGGTGATAACACGAC R GGGACCCTAACCAATAAAC	56°C	<i>Bst</i> N I	Hutton 2011	SL2.40ch06:30891965..30891984 SL2.40ch06:30891379..30891400	
SL_2.40ch06_31.040	CAPS	F TTCTCCAAAGTCATCCACCTAC R GAGTCGTTTATTCGTGCAGATG	56°C	<i>Hpy</i> CH4 IV	Hutton 2011	SL2.40ch06:3104393..31040415 SL2.40ch06:31039807..31039825	