**Table S1.** Oligonucleotide sequence used for CAPS markers.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Locus id1** | **Forward** | **Reverse** | **Enzyme** | **Fragment** | |
| **MT** | **LA1777** |
| Solyc08g005020 | TTTGCGTGTACCTTTTGCAG | TCCTCCTCAAAACCCTCTTCCTC | HinfI | 536/512/ 239 | 1048/ 239 |
| Solyc08g005640 | GTTCTCATAGTTCCCACTATGTATCC | GACAAACTACTTTGTTGTCGGAGT | HindIII | 693/155/ 322 | 693/477 |
| Solyc08g006410 | GATCCATTCCTTCCTTGGGCTGTTG | GATGGTATTGTTGGTCCAATTGTC | PacI | 605 | 503/102 |
| Solyc08g007130 | GTCCTTGTGGTGAACTAAGATATCC | GAATATGCCTTCTGCTGATGCTAGG | BglII | 986/490 | 1478 |
| Solyc08g065740 | CGGTGGTCTTAAGGATGAGAAC | CACAACTTCAAAATAGGGTCTC | BanI | 81/286/ 342 | 367/342 |
| Solyc08g076820 | GTACTACTACTCCCTTAGAGCAAC | GTATGCACTAGGGCTCATAATTCG | BspDI | 536/125 | 661 |
| Solyc08g083230 | GATGTGGGTTGTTTTGCAGGA | CCAGACATGGAAAGTGTTAGCGA | TaqI | 618/179/ 106 | 797/106 |

Locus according to Sol Genomics Network database (<http://solgenomics.net/>).

**Table S2.** Oligonucleotide sequence used for quantitative PCR analyses.

|  |  |  |  |
| --- | --- | --- | --- |
| **Primer name** | **Sequence** | **Gene symbol** | **References** |
| SBS\_QF | GCATTACAGAATGAGTTCGAGG | LOC101250138 | - |
| SBS\_QR | CTGATGGTAAATCAAGGCAGC |
| ZFPS\_QF | TTTCGAGGTCTGGAGTAAGAGTG | AHF95235 | - |
| ZFPS\_QR | TAGTGCAATCACAAGGTGAAGTC |
| RCE1\_QF | GATTCTCTCTCATCAATCAATTCG | TC153679 | (Van Schie *et al.*, 2007) |
| RCE1\_QR | GAACGTAAATGTGCCACCCATA |

Gene symbol according to National Center for Biotechnology Information database (<https://www.ncbi.nlm.nih.gov/>).

![A close up of a white wall

Description automatically generated]()

**Fig. S1** Electrophoresis gels showing the positive genetic markers used to differentiate MT-*Sst2* from MT.