Table S2 Down-regulated genes in *LeMCM2* silenced lines

|  |  |  |
| --- | --- | --- |
| Ensemble | Ratio | Gene Title |
| Solyc12g100060.1 | 0.35  | zinc finger A20 and AN1 domain-containing stress-associated protein5 |
| Solyc12g099970.1 | 0.32  | SNF1 kinase complex anchoring protein |
| Solyc12g099200.1 | 0.50  | tomato invertase inhibitor |
| Solyc12g098520.1 | 0.25  | heat stress transcription factor A-5-like |
| Solyc12g095810.1 | 0.23  | probable peptide transporter At1g52190-like |
| Solyc12g089240.1 | 0.37  | probable salt tolerance-like protein At1g75540-like |
| Solyc12g089220.1 | 0.30  | bifunctional nuclease 1-like |
| Solyc12g088360.1 | 0.50  | U-box domain-containing protein 4-like |
| Solyc12g049530.1 | 0.41  | polyphosphoinositide phosphatase-like |
| Solyc12g049270.1 | 0.45  | developmentally regulated G-protein 2-like |
| Solyc12g019740.1 | 0.24  | thioredoxin-like 1-1, chloroplastic-like |
| Solyc12g019700.1 | 0.28  | Unknown Protein |
| Solyc12g014100.1 | 0.34  | homogentisate 1,2-dioxygenase |
| Solyc12g014010.1 | 0.33  | UDP-glucose flavonoid 3-O-glucosyltransferase 6-like |
| Solyc12g013620.1 | 0.22  | jasmonic acid 2 |
| Solyc12g013530.1 | 0.37  | unknown protein |
| Solyc12g011440.1 | 0.47  | 60S ribosomal protein L18a-1-like |
| Solyc12g008650.1 | 0.14  | myo-inositol oxygenase |
| Solyc12g008560.1 | 0.28  | unknown protein |
| Solyc12g006230.1 | 0.08  | RING-H2 finger protein ATL10-like |
| Solyc12g005150.1 | 0.47  | uncharacterized LOC101259813 |
| Solyc11g073120.1 | 0.47  | transcription factor MYB48-like |
| Solyc11g072970.1 | 0.45  | nudix hydrolase 9-like |
| Solyc11g072380.1 | 0.31  | vicilin-like antimicrobial peptides 2-2-like |
| Solyc11g069700.1 | 0.25  | elongation factor 1-alpha-like |
| Solyc11g069450.1 | 0.30  | unknown protein |
| Solyc11g069330.1 | 0.35  | unknown protein |
| Solyc11g065600.1 | 0.18  | xyloglucan endotransglycosylase |
| Solyc11g065070.1 | 0.47  | hydroxymethylglutaryl-CoA lyase, mitochondrial-like |
| Solyc11g032130.1 | 0.44  | 12-oxophytodienoate reductase 1-like |
| Solyc11g020670.1 | 0.29  | TCP transcription factor 12 |
| Solyc11g017470.1 | 0.33  | NAC domain-containing protein 2-like |
| Solyc11g012440.1 | 0.40  | U-box domain-containing protein 4-like |
| Solyc11g008260.1 | 0.33  | cysteine proteinase 15A-like |
| Solyc11g006720.1 | 0.32  | transcription factor DIVARICATA-like |
| Solyc11g006470.1 | 0.45  | uncharacterized LOC101259104 |
| Solyc11g005670.1 | 0.39  | polyubiquitin-C-like |
| Solyc11g005080.1 | 0.48  | uncharacterized LOC101257324 |
| Solyc10g085820.1 | 0.30  | dnaJ homolog subfamily C member 28-like |
| Solyc10g085660.1 | 0.33  | F-box protein SKIP24-like |
| Solyc10g084120.1 | 0.42  | aquaporin PIP2-1-like |
| Solyc10g083730.1 | 0.18  | F-box protein PP2-A15-like |
| Solyc10g080670.1 | 0.43  | uncharacterized LOC101267365 |
| Solyc10g080660.1 | 0.43  | eukaryotic translation initiation factor NCBP-like |
| Solyc10g080610.1 | 0.46  | F-box/kelch-repeat protein At2g44130-like |
| Solyc10g078920.1 | 0.23  | thioredoxin-like 3-1, chloroplastic-like |
| Solyc10g076250.1 | 0.17  | alanine--glyoxylate aminotransferase 2 homolog 3, mitochondrial-like |
| Solyc10g050110.1 | 0.36  | uncharacterized LOC101253330 |
| Solyc10g017960.1 | 0.10  | F-box protein PP2-A13-like |
| Solyc10g008400.1 | 0.07  | E3 ubiquitin-protein ligase RMA1H1-like |
| Solyc10g006750.2 | 0.43  | unknown protein |
| Solyc10g005370.2 | 0.49  | pyruvate, phosphate dikinase regulatory protein 1, chloroplastic-like |
| Solyc10g005100.2 | 0.45  | plasma membrane-associated cation-binding protein 1-like |
| Solyc09g092160.2 | 0.41  | beta-galactosidase |
| Solyc09g089610.2 | 0.37  | ethylene receptor-like protein |
| Solyc09g089560.2 | 0.44  | MATH domain-containing protein At5g43560-like |
| Solyc09g082980.2 | 0.48  | unknown protein |
| Solyc09g082340.2 | 0.29  | vicilin-like antimicrobial peptides 2-1-like |
| Solyc09g075890.2 | 0.08  | uncharacterized LOC101255829 |
| Solyc09g064820.1 | 0.14  | EID1-like F-box protein 3-like |
| Solyc09g055940.2 | 0.48  | probable sodium/metabolite cotransporter BASS3, chloroplastic-like |
| Solyc09g018280.1 | 0.35  | unknown protein |
| Solyc09g014450.2 | 0.40  | clathrin light chain 2-like |
| Solyc09g011470.2 | 0.20  | unknown protein |
| Solyc09g010940.2 | 0.22  | unknown protein |
| Solyc09g008350.2 | 0.37  | unknown protein |
| Solyc09g008230.2 | 0.44  | zinc finger protein 593 homolog |
| Solyc09g007900.2  | 0.38  | phenylalanine ammonia-lyase-like |
| Solyc09g007530.2 | 0.46  | unknown protein |
| Solyc09g007270.2 | 0.34  | L-ascorbate peroxidase 2, cytosolic-like |
| Solyc08g083110.2 | 0.25  | methionine gamma-lyase-like |
| Solyc08g082440.2 | 0.42  | UDP-glucose 4-epimerase GEPI48-like |
| Solyc08g082180.2 | 0.46  | abscisic acid receptor PYL9-like |
| Solyc08g082120.2 | 0.43  | unknown protein |
| Solyc08g080570.2 | 0.19  | UDP-glucose 4-epimerase 1-like |
| Solyc08g078670.2 | 0.24  | aspartic proteinase nepenthesin-1-like |
| Solyc08g078270.2 | 0.46  | putative dual specificity protein phosphatase DSP8-like |
| Solyc08g077780.2 | 0.48  | serine/threonine-protein kinase SAPK3-like |
| Solyc08g076860.2 | 0.21  | uncharacterized LOC101260164 |
| Solyc08g075520.2 | 0.42  | uncharacterized LOC101249748 |
| Solyc08g074620.1 | 0.21  | polyphenol oxidase E, chloroplastic-like |
| Solyc08g068700.1 | 0.47  | N-hydroxycinnamoyl-CoA:tyramine N-hydroxycinnamoyl transferase THT7-1 |
| Solyc08g067960.2 | 0.35  | RING finger and CHY zinc finger domain-containing protein 1-like |
| Solyc08g066730.2 | 0.42  | N6-adenosine-methyltransferase MT-A70-like |
| Solyc08g065610.2 | 0.26  | vacuolar-processing enzyme-like |
| Solyc08g065260.2 | 0.41  | uncharacterized LOC101260364 |
| Solyc08g062960.2 | 0.38  | heat shock factor protein HSF30-like |
| Solyc08g062450.1 | 0.20  | class II small heat shock protein Le-HSP17.6 |
| Solyc08g022070.2 | 0.32  | prolyl endopeptidase |
| Solyc08g007240.2 | 0.04  | nudix hydrolase 8-like |
| Solyc08g005450.1 | 0.45  | Hop-interacting protein THI119 |
| Solyc07g066120.2 | 0.50  | actin-related protein 8-like |
| Solyc07g063410.2 | 0.17  | NAC domain-containing protein 72-like |
| Solyc07g063010.2 | 0.35  | 3-hydroxybutyryl-CoA dehydrogenase-like |
| Solyc07g062220.2 | 0.30  | uncharacterized LOC101247637 |
| Solyc07g061940.2 | 0.50  | acetolactate synthase 2, chloroplastic-like |
| Solyc07g056570.1 | 0.25  | nine-cis-epoxycarotenoid dioxygenase |
| Solyc07g054160.2 | 0.44  | tetraspanin-19-like |
| Solyc07g053740.1 | 0.47  | ethylene-responsive transcription factor 4-like |
| Solyc07g053580.1 | 0.49  | protein-lysine methyltransferase METTL21A-like |
| Solyc07g047740.2 | 0.24  | peroxidase |
| Solyc07g044990.2 | 0.43  | transmembrane protein 56-B-like |
| Solyc07g043580.2 | 0.47  | transcription factor PIF1-like |
| Solyc07g042550.2 | 0.33  | sucrose synthase |
| Solyc07g024000.2 | 0.33  | probable chlorophyll(ide) b reductase NYC1, chloroplastic-like |
| Solyc07g007330.1 | 0.47  | uncharacterized LOC101254911 |
| Solyc07g006350.2 | 0.44  | probable E3 ubiquitin-protein ligase XBOS32-like |
| Solyc06g076520.1 | 0.31  | 17.8 kDa class I heat shock protein-like  |
| Solyc06g076400.2 | 0.27  | probable protein phosphatase 2C 24-like |
| Solyc06g075660.2 | 0.39  | transcription factor MYB48-like |
| Solyc06g073950.2 | 0.47  | dnaJ homolog subfamily C member 8-like |
| Solyc06g073170.1 | 0.44  | uncharacterized LOC101255409 |
| Solyc06g071820.2 | 0.20  | BTB/POZ and TAZ domain-containing protein 2-like |
| Solyc06g069760.2 | 0.48  | dof zinc finger protein DOF5.2-like |
| Solyc06g068620.2 | 0.25  | unknown protein |
| Solyc06g068540.2 | 0.31  | unknown protein |
| Solyc06g068160.2 | 0.02  | SNF4 protein |
| Solyc06g067980.2 | 0.20  | unknown protein |
| Solyc06g066820.2 | 0.37  | 3b-hydroxylase |
| Solyc06g066540.1 | 0.30  | dehydration-responsive element-binding protein 3-like |
| Solyc06g066370.2 | 0.43  | probable WRKY transcription factor 33-like |
| Solyc06g065040.2 | 0.46  | transcription factor bHLH80-like |
| Solyc06g060300.1 | 0.43  | unknown protein |
| Solyc06g054420.2 | 0.39  | serine incorporator 3-like |
| Solyc06g053910.2 | 0.33  | unknown protein |
| Solyc06g053620.2 | 0.32  | phosphoenolpyruvate carboxylase kinase 2 |
| Solyc06g053450.2 | 0.35  | protein IQ-DOMAIN 14-like |
| Solyc06g051980.2 | 0.46  | E3 ubiquitin-protein ligase SINAT3-like |
| Solyc06g050700.2 | 0.18  | polyadenylate-binding protein-interacting protein 2-like |
| Solyc06g050130.2 | 0.40  | alpha-galactosidase-like |
| Solyc06g034040.1 | 0.32  | oleosin 1-like |
| Solyc06g008880.2 | 0.47  | LEC14B protein-like |
| Solyc06g007180.2 | 0.03  | asparagine synthetase |
| Solyc06g005500.2 | 0.48  | protein kinase 1b |
| Solyc05g056110.2 | 0.32  | mRNA-decapping enzyme subunit 2-like |
| Solyc05g055650.2 | 0.26  | polyvinylalcohol dehydrogenase-like |
| Solyc05g055010.2 | 0.44  | RNA-binding protein 42-like |
| Solyc05g053760.2 | 0.31  | chaperone protein dnaJ 20, chloroplastic-like |
| Solyc05g052980.2 | 0.33  | protein phosphatase 2C 37-like |
| Solyc05g052050.1 | 0.34  | Pti4 |
| Solyc05g052030.1 | 0.48  | ethylene response factor 4 |
| Solyc05g050390.2 | 0.40  | beclin 1 protein |
| Solyc05g048810.2 | 0.43  | unknown protein |
| Solyc05g041920.2 | 0.44  | ribonuclease 3-like protein 3-like |
| Solyc05g015500.2 | 0.45  | ranBP2-type zinc finger protein At1g67325-like |
| Solyc05g014030.2 | 0.45  | probable E3 ubiquitin-protein ligase HERC1-like |
| Solyc05g013720.2 | 0.49  | unknown protein |
| Solyc05g013530.2 | 0.38  | unknown protein |
| Solyc05g012560.1 | 0.40  | unknown protein |
| Solyc05g012110.2 | 0.16  | probable 6-phosphogluconolactonase 1-like |
| Solyc05g010810.1 | 0.38  | probable phosphatidylinositol 4-kinase type 2-beta |
| Solyc05g008440.1 | 0.35  | unknown protein |
| Solyc05g008220.2 | 0.48  | unknown protein |
| Solyc05g007770.2 | 0.38  | NAC transcription factor 29-like |
| Solyc05g006980.2 | 0.17  | homeobox-leucine zipper protein HAT5-like |
| Solyc04g081900.2 | 0.50  | probable nucleoredoxin 2-like |
| Solyc04g081530.1 | 0.22  | DNAJ-like protein |
| Solyc04g080700.2 | 0.33  | bifunctional nuclease 2-like |
| Solyc04g080370.2 | 0.44  | DUF21 domain-containing protein At1g47330-like |
| Solyc04g078840.2 | 0.21  | AREB-like protein |
| Solyc04g078640.1 | 0.38  | ethylene-responsive transcription factor ERF010-like |
| Solyc04g078420.1 | 0.21  | transcription factor MYB44-like |
| Solyc04g078110.1 | 0.35  | SBT1 protein |
| Solyc04g077860.2 | 0.37  | sigma factor SigB regulation protein RsbQ-like |
| Solyc04g077120.2 | 0.46  | inositol-tetrakisphosphate 1-kinase 2-like |
| Solyc04g076670.2 | 0.50  | XIAP-associated factor 1-like |
| Solyc04g076300.2 | 0.45  | mechanosensitive ion channel protein 3, chloroplastic-like |
| Solyc04g074780.2 | 0.20  | unknown protein |
| Solyc04g072890.2 | 0.29  | unknown protein |
| Solyc04g071340.2 | 0.50  | fructose-1,6-bisphosphatase, cytosolic-like |
| Solyc04g071140.2 | 0.16  | histidine decarboxylase-like |
| Solyc04g063380.2 | 0.35  | F-box protein SKP2A-like |
| Solyc04g055080.2 | 0.38  | protein spinster-like |
| Solyc04g053080.2 | 0.29  | OTU domain-containing protein 6B-like |
| Solyc04g011440.2 | 0.49  | ethylene-responsive heat shock protein cognate 70 |
| Solyc04g010250.2 | 0.29  | monoglyceride lipase-like |
| Solyc04g008980.2 | 0.47  | F-box/LRR-repeat protein 4-like |
| Solyc04g008020.2 | 0.40  | cleavage and polyadenylation specificity factor subunit 3-II-like |
| Solyc04g007970.2 | 0.49  | ubiquitin-conjugating enzyme E2 variant 1B-like |
| Solyc04g007000.1 | 0.09  | AP2/ERF and B3 domain-containing transcription factor RAV1-like |
| Solyc04g005610.2 | 0.39  | NAC transcription factor 29-like |
| Solyc04g005250.2 | 0.29  | unknown protein |
| Solyc03g122140.2 | 0.20  | peroxisomal (S)-2-hydroxy-acid oxidase GLO4-like |
| Solyc03g121920.2 | 0.34  | solute carrier family 25 member 44-like |
| Solyc03g121920.2 | 0.45  | Mitochondrial carrier-like protein |
| Solyc03g121880.2 | 0.41  | protein phosphatase 2C ABI2 homolog |
| Solyc03g119910.2 | 0.29  | 3b-hydroxylase |
| Solyc03g119810.1 | 0.39  | uncharacterized LOC101258448 |
| Solyc03g119060.2 | 0.34  | alpha-dioxygenase 2 |
| Solyc03g118060.2 | 0.22  | unknown protein |
| Solyc03g117680.2 | 0.07  | unknown protein |
| Solyc03g117590.2 | 0.23  | heat shock protein binding protein |
| Solyc03g117420.2 | 0.19  | internalin-A-like |
| Solyc03g116670.2 | 0.33  | unknown protein |
| Solyc03g115700.2 | 0.42  | SNF1-related protein kinase |
| Solyc03g115650.2 | 0.28  | eukaryotic translation initiation factor 5A-1 |
| Solyc03g113620.2 | 0.36  | transcription factor MYB1R1-like |
| Solyc03g112340.1 | 0.33  | E3 ubiquitin-protein ligase ATL6-like |
| Solyc03g111700.2 | 0.46  | unknown protein |
| Solyc03g111310.2 | 0.49  | SNF1-related protein kinase regulatory subunit gamma-1-like |
| Solyc03g098240.2 | 0.39  | glutamate decarboxylase |
| Solyc03g097710.2 | 0.33  | uncharacterized LOC101254883 |
| Solyc03g083010.2 | 0.49  | putative aminoacrylate hydrolase RutD-like |
| Solyc03g079880.2 | 0.27  | uncharacterized LOC101258342 |
| Solyc03g045070.1 | 0.41  | ammonium transporter |
| Solyc03g044910.1 | 0.43  | putative elongation of fatty acids protein DDB\_G0272012-like |
| Solyc03g044790.2 | 0.47  | methylesterase |
| Solyc03g043950.2 | 0.46  | N-acetyl-glutamate synthase |
| Solyc03g033560.2 | 0.45  | unknown protein |
| Solyc03g031890.2 | 0.30  | unknown protein |
| Solyc03g019820.2 | 0.02  | probable aquaporin TIP3-2-like |
| Solyc03g019710.2 | 0.04  | TDR8 protein |
| Solyc03g007960.2 | 0.16  | beta-carotene hydroxylase |
| Solyc03g007370.2 | 0.42  | RNA polymerase sigma factor sigE, chloroplastic/mitochondrial-like |
| Solyc03g006490.2 | 0.07  | expressed predominantly in leaves |
| Solyc02g092590.2 | 0.36  | uncharacterized LOC101256933 |
| Solyc02g089630.2 | 0.27  | proline dehydrogenase 2, mitochondrial-like |
| Solyc02g085920.2 | 0.40  | unknown protein |
| Solyc02g085630.2 | 0.11  | homeobox-leucine zipper protein ATHB-40-like |
| Solyc02g085500.2 | 0.46  | ovate protein |
| Solyc02g084850.2 | 0.02  | TAS14 peptide (AA 1-130) |
| Solyc02g084240.2 | 0.24  | H1 histone-like protein |
| Solyc02g083280.2 | 0.30  | rhodanese-like domain-containing protein 15, chloroplastic-like |
| Solyc02g082930.2 | 0.39  | chitinase |
| Solyc02g082270.2 | 0.40  | uncharacterized LOC101267474 |
| Solyc02g082070.2 | 0.46  | premnaspirodiene oxygenase-like |
| Solyc02g081880.2 | 0.47  | MOSC domain-containing protein 2, mitochondrial-like |
| Solyc02g079960.2 | 0.31  | thioredoxin-like protein CXXS1-like |
| Solyc02g079930.2 | 0.36  | phosphosulfolactate synthase-related protein |
| Solyc02g078460.2 | 0.39  | unknown protein |
| Solyc02g078150.2 | 0.22  | unknown protein |
| Solyc02g077880.2 | 0.06  | auxin-repressed 12.5 kDa protein-like |
| Solyc02g077590.1 | 0.14  | homeobox-leucine zipper protein ATHB-52-like |
| Solyc02g070550.2 | 0.48  | uncharacterized LOC101245912 |
| Solyc02g068920.2 | 0.39  | lecithine cholesterol acyltransferase-like protein |
| Solyc02g068710.2 | 0.48  | sulfiredoxin, chloroplastic/mitochondrial-like |
| Solyc02g064690.2 | 0.30  | unknown protein |
| Solyc02g036370.2 | 0.26  | unknown protein |
| Solyc02g031980.2 | 0.45  | urease accessory protein D |
| Solyc01g111250.2 | 0.46  | unknown protein |
| Solyc01g110700.2  | 0.15  | snakin-2-like |
| Solyc01g109600.2 | 0.32  | BTB/POZ domain-containing protein At3g05675-like |
| Solyc01g109170.2 | 0.14  | cold-regulated 413 plasma membrane protein 2-like |
| Solyc01g108910.2 | 0.15  | unknown protein |
| Solyc01g107170.2 | 0.24  | ZF2 protein |
| Solyc01g107070.2 | 0.48  | unknown protein |
| Solyc01g106820.2 | 0.15  | unknown protein |
| Solyc01g106000.2 | 0.40  | unknown protein |
| Solyc01g105660.2 | 0.25  | probable 2-oxoglutarate/Fe(II)-dependent dioxygenase-like |
| Solyc01g105220.2 | 0.34  | alternative oxidase 2 |
| [Solyc01g102290.2](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc01g102290.2.1) | 0.44  | Stress-induced hydrophobic peptide  |
| Solyc01g099840.2 | 0.38  | uncharacterized LOC101259198 |
| Solyc01g099800.2 | 0.38  | pre-mRNA-splicing factor SF2-like |
| Solyc01g099160.2 | 0.46  | lipoxygenase |
| Solyc01g098400.2 | 0.25  | histidine-containing phosphotransfer protein 1-like |
| Solyc01g098390.2 | 0.30  | gibberellin receptor GID1C-like |
| Solyc01g096810.2 | 0.28  | EIL3 protein |
| Solyc01g096130.2 | 0.49  | unknown protein |
| Solyc01g096100.2 | 0.45  | unknown protein |
| Solyc01g095700.2 | 0.41  | abscisic acid receptor PYL8-like |
| Solyc01g095460.2 | 0.40  | transcriptional activator TAF-1-like |
| Solyc01g095340.2 | 0.26  | BAG family molecular chaperone regulator 6-like |
| Solyc01g091950.2 | 0.33  | lysophosphatidylcholine acyltransferase 2-like |
| Solyc01g090740.2 | 0.25  | unknown protein |
| Solyc01g090460.2 | 0.44  | HD-ZIP protein |
| Solyc01g088690.2 | 0.40  | probable receptor-like protein kinase At5g47070-like |
| Solyc01g087910.2 | 0.39  | F-box/WD-40 repeat-containing protein At3g52030-like |
| Solyc01g087030.2 | 0.23  | E3 ubiquitin-protein ligase makorin-like |
| Solyc01g080460.2 | 0.35  | pyruvate, phosphate dikinase, chloroplastic-like |
| Solyc01g079360.2 | 0.23  | WRKY transcription factor IIe-1 |
| Solyc01g079350.2 | 0.30  | uncharacterized LOC101265365 |
| Solyc01g073660.2 | 0.35  | major facilitator superfamily domain-containing protein 12-like |
| Solyc01g067660.2 | 0.48  | 1,4-alpha-glucan-maltohydrolase |
| Solyc01g065490.2 | 0.42  | probable aldo-keto reductase 2-like |
| Solyc01g058260.2 | 0.19  | poly(A) polymerase-like |
| Solyc01g057000.2 | 0.44  | universal stress protein A-like protein-like |
| Solyc01g014180.2 | 0.46  | zinc finger A20 and AN1 domain-containing stress-associated protein 8-like |
| Solyc01g010040.2 | 0.38  | S-adenosylmethionine decarboxylase proenzyme-like |
| Solyc01g008780.2 | 0.42  | uncharacterized LOC101259869 |
| Solyc01g007930.2 | 0.36  | F-box protein At1g70590-like |
| Solyc01g007430.2 | 0.49  | unknown protein |
| Solyc01g006540.2 | 0.12  | lipoxygenase |
| Solyc01g006050.2 | 0.20  | uncharacterized LOC101248128 |
| Solyc01g005410.2 | 0.37  | probable peroxygenase 5-like |
| Solyc01g005210.2 | 0.24  | alpha,alpha-trehalose-phosphate synthase [UDP-forming] 6-like |
| Solyc01g005030.2 | 0.48  | Serine/threonine-protein kinase |
| Solyc06g068990.2.1 | 0.39  | unknown protein |
| Solyc03g120270.2.1 | 0.33  | unknown protein |
| Solyc11g005670.1 | 0.24  | polyubiquitin-C-like |
| Solyc04g076200.2 | 0.42  | ER6 protein |
| Solyc06g050520.1 | 0.29  | dehydration responsive element binding protein |
| [Solyc12g089110.1](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc12g089110.1.1) | 0.49  | unknown protein |
| [Solyc05g016410.2](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc05g016410.2.1) | 0.47  | casein kinase I isoform delta-like |
| [Solyc06g006080.2](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc06g006080.2.1) | 0.33  | phosphomethylpyrimidine synthase, chloroplastic-like |
| [Solyc11g010630.2](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc11g010630.2.1) | 0.40  | Unknown Protein |
| [Solyc09g055220.1](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc09g055220.1.1) | 0.12  | Unknown Protein |
| Solyc01g106210.2 | 0.40  | succinate dehydrogenase |
| [Solyc06g008870.2.1](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc06g008870.2.1) | 0.42  | GID1-like gibberellin receptor |
| [Solyc06g060960.1](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc06g060960.1.1) | 0.20  |  Histone-lysine N-methyltransferase-like protein |
| [Solyc04g081530.1.1](http://pgsb.helmholtz-muenchen.de/plant/tomato/reportsjsp/geneticElement.jsp?gene=Solyc04g081530.1.1) | 0.29  |  DNAJ heat shock N-terminal domain-containing protein (J11) |

|  |
| --- |
| Table S3 Primer sequences  |
| Name of primers | Sequences |
| LnMcm2-F for qPCR | GGGCATCACAACGAGTAAAC |
| LnMcm2-R for qPCR | CCATCACTTCAAGAACGGA |
| LnMcm2 F | GGAACACTTAGGGAATGGGTA |
| LnMcm2 R | TTCAAGAACGGATTGTGGTGC |
| LnActin-F | ATTCCCTGACTGTTTGCTAGT |
| LnActin R | TCCAACACAATACCGGTGGT |

|  |
| --- |
| Table S4 Composition of lysate　 |
| Composition | Final concentration | Dosage |
| Tris | 15 mmol/L | 363 mg |
| Na2EDTA | 2 mmol/L | 148.9 mg |
| Spermine | 0.5 mmol/L | 20.2 mg |
| KCl | 80 mmol/L | 1.193 mg |
| NaCl | 20 mmol/L | 233.8 mg |
| TritonX-100 | 0.10% | 200 |