

Table S1. Primers for qRT-PCR analysis of genes expressed in tomato roots under low light stress.

Gene name	Primers	Nucleotide sequences (5'→3')	Size of amplified gene (bp)
Superoxide dismutase	Solyc11g066390 F Solyc11g066390 R	CGGTCCAACTCAGTTGTTG CAGCATTGCCAGTGGTAAGA	101
Ascorbate peroxidase	Solyc06g005150 F Solyc06g005150 R	AGCCCATTAGGGAGCAGTTT GAACATCAGGTCTCCCGTAAC	96
Catalase	Solyc04g082460 F Solyc04g082460 R	GGCTTGATCCTTGTCTCAT CGGTGCCCAAGATCTGTAAT	134
Glutathione peroxidase	Solyc09g064850 F Solyc09g064850 R	TGGGAGCTTCCAAATCAGTT TGTGCTTGTGAACCCACATT	146
Chalcone flavanone isomerase	Solyc02g083890 F Solyc02g083890 R	TGGGAAACATCAGCATTGA CCAAATTCCTCATAGCAAGA	71
MYB transcription factor	Solyc06g075660 F Solyc06g075660 R	ACCAGGGCGAAGTATAATG TGGCAGAGGAAGAGGAACAA	134
Phenylalanine ammonia lyase	Solyc05g056170 F Solyc05g056170 R	TACATTGCCGGCTTTTAAC AATACCAGCCTGTTGGAACG	99
Trans-cinnamate 4 hydroxylase	Solyc05g047530 F Solyc05g047530 R	GTTGGCTAACCAACCTGCAT ACCTTACCACCAGCAACAGC	105
Gibberellin 2-oxidase	Solyc01g079200 F Solyc01g079200 R	TTCTAGGGGACTCCTTTTCAG TTGACACCACTCTATGTCTTACAC	70
Abscisic acid stress ripening protein	Solyc04g071590 F Solyc04g071590 R	AGCACCATAGCCATCTCCAG GGTCTTTCTTTGCCTTGTGC	93
Ethylene-responsive transcription factor	Solyc04g071770 F Solyc04g071770 R	TGGAGAATCATCTTCTCTGTTA CGATATGCTGCTCGTTTGTG	73
EIN3-binding F-box protein	Solyc12g009560 F Solyc12g009560 R	AACCTTAGCGACTGCCTGAA CATCGGTAACCTTCTCTGCAT	112
Cytokinin riboside 5'-monophosphate phosphoribohydrolase	Solyc08g062820 F Solyc08g062820 R	TGGTGGAAGTGTGGATTGA TCATGCATGTCGGAACAAAT	150
Heavy metal-associated isoprenylated plant protein 26	Solyc11g007200 F Solyc11g007200 R	TGTCATGCCAAGGTTGTGTT TTCCGGTTCACATTTCTCTA	122
Heavy metal-associated isoprenylated plant protein 3	Solyc09g008200 F Solyc09g008200 R	GGAGACAAAGTCCGAAGCGA CACAGGCATCGCGTAATGTG	73
NAC domain	Solyc03g097650 F Solyc03g097650 R	TTCTTGTCCCTTGCCTGCTT TCACCAGGCAAAATCCAGGG	75
Clathrin light chain	Solyc03g006510 F Solyc03g006510 R	AGGCTTACGATCTCGGTGAA TCAAGACGGACAGCATTTTG	133
Anaphase promoting complex subunit 13	Solyc08g006570 F Solyc08g006570 R	TCCCCTTACCACCCGTAATGAC AGGTGCTGCCATGTATCTCC	94
Auxin responsive SAUR protein	Solyc12g089270 F Solyc12g089270 R	GGGCCCCAATTACAAAAGAT GGAATGACTAATGGGCCAGAG	123
Small auxin up-regulated RNA6	Solyc01g110590 F Solyc01g110590 R	GCCTTCCAATTGACGTACC CGAACCCAAATTTCTCTCA	141
Phytochrome-interacting factor 4 (PIF4)	Solyc07g043580 F Solyc07g043580 R	ATGAAGGCCTTGCAAGAGCT GCCACTTCCCATCCACATCA	126
Phytochrome-interacting factor 7 (PIF7)	Solyc03g115540 F Solyc03g115540 R	TTCTGTTAGCCCTGCCAGTG GCCGATACAAAGCTGCCATG	131
Transcription factor Nozzle	Solyc07g063670 F Solyc07g063670 R	CTTACTGCCTTCTCCCAACC CTCCCGTTGAGGTCTGGTTC	144
Photosystem II reaction center W protein	Solyc09g065910 F Solyc09g065910 R	CATGTCAAGCCAGTAGCAAT TCCAAATGGTAGCCCTGTTT	73
Chlorophyll <i>a-b</i> binding protein	Solyc06g063370 F Solyc06g063370 R	CCGAGGGTCTATTGGACAGA ATGCCTGATATTTGGCGAAG	123
Ribulose biphosphate carboxylase	Solyc10g086580 F Solyc10g086580 R	AGTGGAATGCAGGAGAGCC CTACCAGCTCCTGCATCGAG	122
Extensin-like protein	Solyc02g030220 F Solyc02g030220 R	GCTTTGGAATTTGGGACAAAG AGCAACAACAGTGCTGGCTAC	77
Cellulose synthase	Solyc01g087210 F Solyc01g087210 R	CTGGTGGTGCAAAACATC CTCCCTTACTGGGTCCACAAC	89
Pectin lyase	Solyc12g019120 F Solyc12g019120 R	TGGGGAATTGGTAATTCTGG AGCCCAAAAACCATCTCCTT	102
Polygalacturonase	Solyc03g116500 F Solyc03g116500 R	AGATGGTATGGGCCAGGAGT AAGCCGTTGGAGCATGATGA	80
Calcium-binding EF hand protein	Solyc10g044700 F Solyc10g044700 R	TGTTGATGGTCCAATGATGG TCAAAATGTTTGTCCGTCCA	75
Calcium binding protein CML 38	Solyc06g073830 F Solyc06g073830 R	GCGATCAATTGGAGAGGGTA CGTCGTTAAATCTCCGCCTA	110
Calcium-dependent lipid-binding protein	Solyc09g009370 F Solyc09g009370 R	GAGCAGACAGATTGGTGCAA AAAACAGCATGACACCACCA	122
Phosphate transporter	Solyc03g005555 F Solyc03g005555 R	AGCAGGCAAGCCAAAATCGA GCCGTGGAACCAATTCAC	82
Potassium transporter	Solyc02g087000 F Solyc02g087000 R	GCATTACGGAACCTGAAGA TACCCAGGTTGGGACTCAAG	89
GAPDH	Solyc05g014470 F Solyc05g014470 R	AAGCTGGTGTGACTTCGTTG CGTTGACACCCACAACAAAC	144