

Supplementary Table I

Gene	Primer sequences	Annealing T (°C)	Product (bp)
psaF (GI: 702489015) Photosystem I subunit F (<i>Eucalyptus grandis</i>)	F 5'-GCTCAAGAAGCTGGAGTCGT-3' R 5'-TGCTTGCCGTAGTTGTCGAA-3'	60	114
psbA (GI: 502172942) Photosystem II subunit A (<i>Cicer arietinum</i>)	F 5'-AGAGAGACGCGAAAGCGAAA-3' R 5'-GGGCAGCAATGAAAGCGATA-3'	57	191
petC (GI: 702364431) Cytochrome b6f subunit Rieske (<i>Eucalyptus grandis</i>)	F 5'-GAAGGAAAGGTGCTGGTGGT-3' R 5'-CCGTATGTTGCCAGCGTTTT-3'	60	71
petE (GI: 702379677) Plastocyanin (<i>Eucalyptus grandis</i>)	F 5'-TGTTCAAGAACTACGCCGGG-3' R 5'-GCCTTTCTCGGTCAAGGTCA-3'	60	152
chlH (GI: 702247709) Magnesium chelatase (<i>Eucalyptus grandis</i>)	F 5'-CTGCGCTCTCTGTTTCGTTT-3' R 5'-GCCTTGGGAGCTGGTAATGT-3'	59	132
rbcL (GI: 844754) Rubisco large subunit (<i>Arabidopsis thaliana</i>)	F 5'-GCATATGCCTGCTTTGACCG-3' R 5'-TCGACTGCAAGATCACGTCC-3'	57	165
gs1 (GI: 104454001) Glutamine synthase (<i>Eucalyptus grandis</i>)	F 5'-CCGGGATCAACATCAGTGGG-3' R 5'-AAGTAAGGACCACCCCAGCA-3'	62	156
gdh2 (GI: 702251300) Glutamate dehydrogenase (<i>Eucalyptus grandis</i>)	F 5'-CCGTGGCGTTGTTTTGCTA-3' R 5'-CAACTTGTGCTGCCAAGACC-3'	60	115
cysK (GI: 357480874) O-acetylserine thiol lyase (<i>Medicago truncatula</i>)	F 5'-TATGGAAAGGCACGGATGGG-3' R 5'-AAGACACCAGGGACAAAGCC-3'	57	211
apr2 (GI: 702321790) 5'-adenylsulfate reductase (<i>Eucalyptus grandis</i>)	F 5'-CACAGATTGGCTTGTTCGCG-3' R 5'-AACCGCTCGTAATCCTCCAC-3'	59	199
pal1 (GI: 30687012) Phenylalanine ammonia lyase (<i>Arabidopsis thaliana</i>)	F 5'-ACACAAGAGCAACGGAGGAG-3' R 5'-TCCTTCTGAAGTGCACACC-3'	58	221
ts1 (GI: 702490249) Terpene synthase (<i>Eucalyptus grandis</i>)	F 5'-AAGCGGTGACAAAAGCGTTC-3' R 5'-CCACAGCATTGAGGTCCCAT-3'	59	123
fbp1 (GI: 565388105) Fructose 1,6-bisphosphatase (<i>Solanum tuberosum</i>)	F 5'-GCAAGTATCCCGCTGATGGT-3' R 5'-TTTCCCGTTGGGGCTTTTCT-3'	59	134
amy3 (GI: 702421945) α-amylase (<i>Eucalyptus grandis</i>)	F 5'-TGCCGCATTGGAAAGATGTG-3' R 5'-CCAATGACCCTGGGTAGAGC-3'	55	136
apl1 (GI: 30687199) ADP-glucose pyrophosphorylase (<i>Arabidopsis thaliana</i>)	F 5'-GTTTCCCCACAGCAAACGAC-3' R 5'-TGATGGTGGCAGGTTTCTCC-3'	59	218
tor (GI: 702468032) Target of rapamycin (<i>Eucalyptus grandis</i>)	F 5'-TCATCCACAGGCCATTGTGT-3' R 5'-CACCCTGTTCTGCCGTACT-3'	58	216
fkbp12 (GI: 30697998) FKBP-12 (<i>Arabidopsis thaliana</i>)	F 5'-TGGGATGAAGCGTTATCGG-3' R 5'-CCCACAGTTTAGGAGCTGGG-3'	60	180
s6k (GI: 542142) S6 kinase (<i>Zea mays</i>)	F 5'-GGCGAGAAGAGCTTTGTCTGT-3' R 5'-AAGTATCCCGCGAAAAGGCA-3'	60	119
rRNA18S (GI: HO048251.1) Ribosomal RNA 18S (<i>Eucalyptus grandis</i>)	F 5'-GTGCACAAAATCCCGACTCT-3' R 5'-GCGATCCGTCGAGTTATCAT-3'	58	168