

10 20 30 40 50 60 70 80
YP_008575886.1_Eucalyptus umbr MSPQTETKASVGFKAGVKDYKLYTYYTPEYETKDTDILAAFRVTPQPGVPEEAGAAVAESSTGTWTTVWTDGLTSLDRY
YP_008576991.1_Eucalyptus spat MSPQTETKASVGFKAGVKDYKLYTYYTPEYETKDTDILAAFRVTPQPGVPEEAGAAVAESSTGTWTTVWTDGLTSLDRY
YP_008577671.1_Corymbia macula MSPQTETKASVGFKAGVKDYKLYTYYTPEYETKDTDILAAFRVTPQPGVPEEAGAAVAESSTGTWTTVWTDGLTSLDRY
YP_008577076.1_Eucalyptus torq MSPQTETKASVGFKAGVKDYKLYTYYTPEYETKDTDILAAFRVTPQPGVPEEAGAAVAESSTGTWTTVWTDGLTSLDRY
AFJ05166.1_Punica granatum MSPQTETKASVGFKAGVKDYKLYTYYTPEYETKDTDILAAFRVTPQPGVPEEAGAAVAESSTGTWTTVWTDGLTSLDRY
AAS83539.1_Toxicodendron orien MSPQTETKASVGFKAGVKDYKLYTYYTPEYETKDTDILAAFRVTPQPGVPEEAGAAVAESSTGTWTTVWTDGLTSLDRY
ABV65256.1_Quercus nigra MSPQTETKASVGFKAGVKDYKLYTYYTPEYETKDTDILAAFRVTPQPGVPEEAGAAVAESSTGTWTTVWTDGLTSLDRY
Unigene19142_R.soongorica MSPQTETKASVGFKAGVKDYKLYTYYTPEYETKDTDILAAFRVTPQPGVPEEAGAAVAESSTGTWTTVWTDGLTSLDRY

90 100 110 120 130 140 150 160
YP_008575886.1_Eucalyptus umbr KGRCYHIEPVAGEENQYICYVAYPLDLFEEGSVTNMFTSIVGNVFGFKALRALRLEDLRIPTSYTKTFQGPPIHQVERD
YP_008576991.1_Eucalyptus spat KGRCYHIEPVAGEENQYICYVAYPLDLFEEGSVTNMFTSIVGNVFGFKALRALRLEDLRIPTSYTKTFQGPPIHQVERD
YP_008577671.1_Corymbia macula KGRCYHIEPVAGEENQYICYVAYPLDLFEEGSVTNMFTSIVGNVFGFKALRALRLEDLRIPTSYTKTFQGPPIHQVERD
YP_008577076.1_Eucalyptus torq KGRCYHIEPVAGEENQYICYVAYPLDLFEEGSVTNMFTSIVGNVFGFKALRALRLEDLRIPTSYTKTFQGPPIHQVERD
AFJ05166.1_Punica granatum KGRCYHIEPVAGEENQYICYVAYPLDLFEEGSVTNMFTSIVGNVFGFKALRALRLEDLRIPTAYTKTFQGPPIHQVERD
AAS83539.1_Toxicodendron orien KGRCYHIEPVAGEENQYICYVAYPLDLFEEGSVTNMFTSIVGNVFGFKALRALRLEDLRSPTAYTKTFQGPPIHQVERD
ABV65256.1_Quercus nigra KGRCYHIEPVAGEENQYICYVAYPLDLFEEGSVTNMFTSIVGNVFGFKALRALRLEDLRIPTSYTKTFQGPPIHQVERD
Unigene19142_R.soongorica KGRCYHIEPVAGEENQYICYVAYPLDLFEEGSVTNMFTSIVGNVFGFKALRALRLEDLRIPTSYTKTFQGPPIHQVERD

170 180 190 200 210 220 230 240
YP_008575886.1_Eucalyptus umbr KLNKYGRPLLGCITKPKLGLSAKNYGRAVYECLRGGLDFTKDDENVNSQPFMRWRDRFLFCAEAIFKSQAETGEIKGHYL
YP_008576991.1_Eucalyptus spat KLNKYGRPLLGCITKPKLGLSAKNYGRAVYECLRGGLDFTKDDENVNSQPFMRWRDRFLFCAEAIFKSQAETGEIKGHYL
YP_008577671.1_Corymbia macula KLNKYGRPLLGCITKPKLGLSAKNYGRAVYECLRGGLDFTKDDENVNSQPFMRWRDRFLFCAEAIFKSQAETGEIKGHYL
YP_008577076.1_Eucalyptus torq KLNKYGRPLLGCITKPKLGLSAKNYGRAVYECLRGGLDFTKDDENVNSQPFMRWRDRFLFCAEAIFKSQAETGEIKGHYL
AFJ05166.1_Punica granatum KLNKYGRPLLGCITKPKLGLSAKNYGRAVYECLRGGLDFTKDDENVNSQPFMRWRDRFLFCAEALYKAQAETGEIKGHYL
AAS83539.1_Toxicodendron orien KLNKYGRPLLGCITKPKLGLSAKNYGRAVYECLRGGLDFTKDDENVNSQPFMRWRDRFLFCAEALYKAQAETGEIKGHYL
ABV65256.1_Quercus nigra KLNKYGRPLLGCITKPKLGLSAKNYGRAVYECLRGGLDFTKDDENVNSQPFMRWRDRFLFCAEAIYKAQAETGEIKGHYL
Unigene19142_R.soongorica KLNKYGRPLLGCITKPKLGLSAKNYGRAVYECLRGGLDFTKDDENVNSQPFMRWRDRFLFCAEAIYKAQAETGEIKGHYL

250 260 270 280 290 300 310 320
YP_008575886.1_Eucalyptus umbr NATAGTCEEMIKRAVFARELGVPVIMHDYLTGGFTANTSLAHYCRDNGLLLLHHRAMHAVIDRQKNHGIHFRVLAKALRM
YP_008576991.1_Eucalyptus spat NATAGTCEEMIKRAVFARELGVPVIMHDYLTGGFTANTSLAHYCRDNGLLLLHHRAMHAVIDRQKNHGIHFRVLAKALRM
YP_008577671.1_Corymbia macula NATAGTCEEMIKRAVFARELGVPVIMHDYLTGGFTANTSLAHYCRDNGLLLLHHRAMHAVIDRQKNHGIHFRVLAKALRM
YP_008577076.1_Eucalyptus torq NATAGTCEEMIKRAVFARELGVPVIMHDYLTGGFTANTSLAHYCRDNGLLLLHHRAMHAVIDRQKNHGIHFRVLAKALRM
AFJ05166.1_Punica granatum NATAGTCEEMIKRAVFARELGVPVIMHDYLTGGFTANTSLAHYCRDNGLLLLHHRAMHAVIDRQKNHGMHFRVLAKALRM
AAS83539.1_Toxicodendron orien NATAGTCEEMIKRAVFARELGVPVIMHDYLTGGFTANTSLAHYCRDNGLLLLHHRAMHAVIDRQKNHGMHFRVLAKALRM
ABV65256.1_Quercus nigra NATAGTCEEMIKRAVFARELGVPVIMHDYLTGGFTANTSLAHYCRDNGLLLLHHRAMHAVIDRQKNHGIHFRVLAKALRM
Unigene19142_R.soongorica NATAGTCEEMIKRAVFARELGVPVIMHDYLTGGFTANTSLAHYCRDNGLLLLHHRAMHAVIDRQKNHGIHFRVLAKALRM

330 340 350 360 370 380 390 400
YP_008575886.1_Eucalyptus umbr SGGDHIHSGTVVGKLEGERDITLGFVDLLRDDFIEKDRSRGIYFTQDWWVSLPGVLPVASSGGIHWHPALTEIFGDDSVL
YP_008576991.1_Eucalyptus spat SGGDHIHAGTVVGKLEGERDITLGFVDLLRDDFIEKDRSRGIYFTQDWWVSLPGVLPVASSGGIHWHPALTEIFGDDSVL
YP_008577671.1_Corymbia macula SGGDHIHSGTVVGKLEGERDITLGFVDLLRDDFIEKDRSRGIYFTQDWWVSLPGVLPVASSGGIHWHPALTEIFGDDSVL
YP_008577076.1_Eucalyptus torq SGGDHIHAGTVVGKLEGERDITLGFVDLLRDDFIEKDRSRGIYFTQDWWVSLPGVLPVASSGGIHWHPALTEIFGDDSVL
AFJ05166.1_Punica granatum SGGDHIHAGTVVGKLEGERDITLGFVDLLRDDFIEKDRSRGIYFTQDWWVSLPGVLPVASSGGIHWHPALTEIFGDDSVL
AAS83539.1_Toxicodendron orien SGGDHIHAGTVVGKLEGERDITLGFVDLLRDDFIEKDRSRGIYFTQDWWVSLPGVLPVASSGGIHWHPALTEIFGDDSVL
ABV65256.1_Quercus nigra SGGDHIHAGTVVGKLEGERDITLGFVDLLRDDFIEKDRSRGIYFTQDWWVSLPGVLPVASSGGIHWHPALTEIFGDDSVL
Unigene19142_R.soongorica SGGDHIHAGTVVGKLEGERDITLGFVDLLRDDFIEKDRSRGIYFTQDWWVSLPGVLPVASSGGIHWHPALTEIFGDDSVL

410 420 430 440 450 460 470
YP_008575886.1_Eucalyptus umbr QFGGGTLGHPWGNAPGAVANRVALEACVQARNEGRDLAREGNEIIREASKWSPELAAACEVWKEIKFEFAMDTL
YP_008576991.1_Eucalyptus spat QFGGGTLGHPWGNAPGAVANRVALEACVQARNEGRDLAREGNEIIREASKWSPELAAACEVWKEIKFEFAMDTL
YP_008577671.1_Corymbia macula QFGGGTLGHPWGNAPGAVANRVALEACVQARNEGRDLAREGNEIIREASKWSPELAAACEVWKEIKFEFAMDTL
YP_008577076.1_Eucalyptus torq QFGGGTLGHPWGNAPGAVANRVALEACVQARNEGRDLAREGNEIIREASKWSPELAAACEVWKEIKFEFAMDTL
AFJ05166.1_Punica granatum QFGGGTLGHPWGNAPGAVANRVALEACVQARNEGRDLAREGNEIIREASKWSPELAAACEVWKEIKFEFAMDTL
AAS83539.1_Toxicodendron orien QFGGGTLGHPWGNAPGAVANRVALEACVQARNEGRDLAREGNEIIREASKWSPELAAACEVWKEIKFEFAMDTL
ABV65256.1_Quercus nigra QFGGGTLGHPWGNAPGAVANRVALEACVQARNEGRDLAREGNEIIREAAKWSPELAAACEVWKEIKFEFAMDTL
Unigene19142_R.soongorica QFGGGTLGHPWGNAPGAVANRVALEACVQARNEGRDLAREGNEIIREACKWSPELAAACEVWKEIKFEFAMDTL