

Primers and overgos used in macroarray analysis

Table A1 – Primers used in generation of gene-specific PCR amplicons used as probes in macroarray analysis

Gene	Gene abbreviation	GenBank Accession	Primer sequence, forward	Primer sequence, reverse	T _m (°C)	Product size (bp)
Putative ammonium transporter	<i>AMT</i>	AB211839	ATTAGCTTTGCCCCGTCTCT	TGCATGCCATCTCCATAAAA	52	500
Aquaporin	<i>AQU</i>	AB211841	AGTTCAGGAATGGGGACACA	ATGACGACAGGTGCTGACTG	56	499
Calmodulin	<i>Cal</i>	AB211840	AGGGAATTGAAGCTGAAGCA	GCCAAAAGGCTACAACCAAA	54	495
Pollen allergen	<i>Cryj2</i>	AB211842	GCATTCTCGTCATGCTGCTA	CTTGCTGGATTTTGGTACGC	54	516
Class I chitinase	<i>Chi1</i>	AB096607	AAAGGCGAATGTGACGGAAAT	CTGGATGATTTGCGGTGTCT	55	1172
Ferredoxin*	<i>Ferr</i>	AB096608	TCTGCGGCTGTAGTTCCAGT	ATAGGCGACGCAGGTCAAAA	57	345
Glutamyl-tRNA reductase*	<i>HemA</i>	AB161815	CTTCGGCAGCATCTCTTCAT	AACCTTAGCCCTGATTTTCT	51	1047
Lycopene beta cyclase*	<i>Lcyb</i>	AB096608	ATGGAGTTTGGGTCGATGAG	ATTGGCAGAAAAAGGCATTG	55	506
Phosphoribosylanthranilate transferase*	<i>Pat</i>	AB161910	ATGTGTTGTCTGGCTTGTA	GGTGAACAAGAAAGGGAAAT	50	758

*Primers were not designed by us from GenBank sequence but rather were obtained from Kado et al. (2006)

Table A2 – Overgos designed from bald cypress genes used as probes in macroarray analysis

Gene	Gene abbreviation	GenBank Accession	Overgo sequence, forward	Overgo sequence, reverse
Lycopene beta cyclase	<i>Lcyb</i>	AB096608	AATAGGAGGAAGTGCAGGAATG	GTTGATGGGTGCACCATTCCTG
Class I chitinase	<i>Chi1</i>	AB096607	GCAGGGTCCTTGCGCTTCTGGA	CCATAATATTGCTTTCCAGAAG
Ferredoxin	<i>Ferr</i>	AB096608	TTGCGGGGAATGTAGAGATGGA	AGAAGCTCTGATCCTCCATCTC
Glutamyl-tRNA reductase	<i>HemA</i>	AB161815	GGCAGTTTGATGCATGGAGAGA	CCGTCTCCAAAGAATCTCTCCA
Phosphoribosylanthranilate transferase	<i>Pat</i>	AB161910	TACCCTTATGGGAGGAGTGACA	CTGAGTCCAAGAACTGTCACTC

Table A3 – Overgo designed from Cot-filtered bald cypress sequence with similarity to *Ginkgo biloba* copia-like retroelement sequences

GenBank Accession	Clone address	Overgo sequence-forward	Overgo sequence-reverse
ET185333	1E16	GACTAAGGAAATCTCTCTATGG	GGGCCTGCTTAAGGCCATAGAG