

Additional table7: List of the 60 mapped SNPs, annotation and map location.

Short name ID	Annotation BlastX	Candidate gene category	Sequences
EST15YN	Mutant reduced in stomatal conductance, r	Drought stress	ATCAGCTGCC
ESTC2H4	Ethylene-responsive transcription factor	Hypoxia stress	TTTTTTTTTT
3CT1222	COL2: (constans-like 2); transcription factor	Bud burst	GGGTCAGCTT
5CT6938	Gigantea: implicated in flowering time	Bud burst	ATTGATGGTC
AIP	Auxin induced protein	Bud burst	GCCCTTTGAA
CL1146	Unknown	Bud burst	tagctaaatttcct
CL1295_1026	Hypothetical CYS-3-HIS zinc finger protein	Bud burst	aactacaacaaca
CL15	Squamosa-promoter binding protein-like 1	Bud burst	tttatgttagagtg
CL2265	Hemoglobin II	Bud burst	actactttccaaat
CL2394	Putative pseudo-response regulator.	Bud burst	gggtactcagagct
CL2598	Unknown	Bud burst	gggccccccctcg
CL3876	Unknown	Bud burst	ttggaaaacttag
CL4	Unknown	Bud burst	cgagaaaagtgaat
CL4497	Cyanogenic beta-glucosidase precursor	Bud burst	ttggagcaaatta
CL4801	Unknown	Bud burst	ttggcaaacaact
CL530	Unknown	Bud burst	ttgggatttgagca
CL753	Hypothetical J-domain protein	Bud burst	aaaagcaataca
CL775	Dihydroflavonol-4-reductase	Bud burst	cggggaagtaaa
CL8431	Apolipoprotein D.	Bud burst	tgtgtctctctctg
CL8441	Probable aquaporin PIP1.4	Bud burst	gtacccactcaac
CL8450_1185	Chlorophyll A-B binding protein 7	Bud burst	ttggaaagaagcc
CL8450_1183	60S ribosomal protein L24	Bud burst	CTGCAATCGA
CL8461_1199	Unknown	Bud burst	cttccaaatttcct
CL8461_1200	Early light-induced protein	Bud burst	ttggccaacttttt
CL8461_1203	Probable glutathione S-transferase	Bud burst	gcactctctcacac
CL8461_1203	Unknown	Bud burst	tgggtttttt-cttc
CL8461_1207	40S ribosomal protein S23	Bud burst	ttttactttgcggc
CL8461_1209	Early light-induced protein	Bud burst	aatcaagccctc
CL8475_500	40S ribosomal protein S27	Bud burst	aatacggctctttc
CL8491	Castanea sativa ribosomal protein L33	Bud burst	aaaatggtgaagg
CL8502	Defender against cell death 1 (DAD-1)	Bud burst	agaagaagaaaa
CL8530	Oxygen-evolving enhancer protein 2	Bud burst	ccactctccatac
CL8534	Photosystem II 10 kDa polypeptide	Bud burst	catcagttatggct
CL8543	Translationally controlled tumor protein ho	Bud burst	tttttttgaacaa
CL8601	40S ribosomal protein S11-1	Bud burst	ctcctctgcgtctt
CL8634	Cytokinin-specific binding protein.	Bud burst	taagaagccatt
CL8687	Catalase isozyme 3	Bud burst	tcaaagtatcctc
CL88	Transcription factor MONOPTEROS	Bud burst	tacaatgtctcagt
CL8829	Unknown	Bud burst	gggggggagaga
CL8835	Unknown	Bud burst	gaaaatgtaaagg
CL8835_1238	Unknown	Bud burst	GAAATGTAA
CL8838	Osmotin precursor	Bud burst	agcacaggcttaa
CL8885	Cysteine proteinase RD19a precursor	Bud burst	ttggaaaaaaa
CL9064	60S ribosomal protein L18a	Bud burst	gggagagggaga

CL9419	50S ribosomal protein L14	Bud burst	catgtatctggag
CL9715_1373	60S ribosomal protein L23.	Bud burst	gcgaggtagggg
CL9715_1430	Unknown	Bud burst	gagtcgcgcaat
CL9715_1507	Unknown	Bud burst	ctcctccaattgc
CL9715_1509	Unknown	Bud burst	cgatgttccgcgt
Cry1	Cryptochrome1: implicated in flowering tim	Bud burst	TTTTTCATTAC
CT8815e	COL1: (constans-like1); transcription factor	Bud burst	GCTTCGATATC
DAG2	DOF zinc finger protein DAG2	Bud burst	GAGAGAAGAC
ASI	Alpha-amylase/subtilisin inhibitor (RASI).	Bud burst	AAATTCTTAGT
ESTAPX	4-coumarate-CoA ligase-like protein	Hypoxia stress	AGCGTGGTCC
GA20	Gibberellin 20-oxydase	Bud burst	TTCACTCCCTC
GALA	Galactinol synthase	Bud burst	GAGGTACTTC
LGB16YC17	Gigantea: implicated in flowering time	Bud burst	ATGATCAAGG
PM23	Unknown	Bud burst	CAACCGGAAA
PM23	Unknown	Bud burst	CAACCGGAAA
YSL1	Unknown	Bud burst	GCCATTCTAG

ID in Oak_Contig v1	E_value in Oak_Contig v1	Parental map assignment	Method used for genotyping	Linkage group assignment
GGFEK7Q010	0	A4/QS21	Primer extens	LG1
GGFEK7Q01B	9,00E-57	3P	SSCP	LG8
GGFEK7Q01D	4,00E-21	QS28/QS21	Illumina_Gold	LG2
GGFEK7Q01E	2,00E-34	3P/QS28/QS2	Illumina_Gold	LG2
GGFEK7Q01A	2,00E-51	3P	Illumina_Gold	LG6
GGFEK7Q01A	0	QS29	Illumina_Gold	LG6
GGFEK7Q01E	2,00E-12	3P	Illumina_Gold	LG8
GGFEK7Q01A	0	A4/11P/QS28	Illumina_Gold	LG12
GGFEK7Q01D	0	3P/QS21	Illumina_Gold	LG11
GGFEK7Q01E	e-116	3P/A4/11P	Illumina_Gold	LG8
GGFEK7Q01E	0	3P	Illumina_Gold	LG2
GGFEK7Q01E	0	QS21	Illumina_Gold	LG1
na	na	A4/QS28	Illumina_Gold	LG3
GGFEK7Q01C	3,00E-06	11P	Illumina_Gold	LG4
GGFEK7Q01A	3,00E-58	A4/11P/QS21	Illumina_Gold	LG11
GGFEK7Q01C	e-117	3P/A4	Illumina_Gold	LG4
GGFEK7Q01D	0	QS28/QS29	Illumina_Gold	LG10
GGFEK7Q01A	0	A4/QS28/QS2	Illumina_Gold	LG1
na	na	3P/11P/QS28	Illumina_Gold	LG2
GGFEK7Q01A	0	3P	Illumina_Gold	LG8
na	na	QS28	Illumina_Gold	LG5
GGFEK7Q01A	0	QS21/QS28	Illumina_Gold	LG7
GGFEK7Q01A	0	11P	Illumina_Gold	LG10
GGFEK7Q01C	1,00E-90	A4/QS21/QS2	Illumina_Gold	LG6
GGFEK7Q01A	0	11P	Illumina_Gold	LG4
GGFEK7Q01A	0	3P	Illumina_Gold	LG3
GGFEK7Q01A	0	A4	Illumina_Gold	LG7
na	na	11P/QS21/QS	Illumina_Gold	LG2
GGFEK7Q01A	0	QS28	Illumina_Gold	LG2
GGFEK7Q01A	0	QS21	Illumina_Gold	LG8
qscs0003.h.03	0	3P	Illumina_Gold	LG12
na	na	3P/11P	Illumina_Gold	LG8
na	na	QS21	Illumina_Gold	LG4
GGFEK7Q01A	0	3P/A4/QS28	Illumina_Gold	LG3
GGFEK7Q01A	0	11P/QS28/QS	Illumina_Gold	LG2
GGFEK7Q01C	4,00E-16	3P	Illumina_Gold	LG9
GGFEK7Q01A	0	A4	Illumina_Gold	LG2
GGFEK7Q01A	0	QS29	Illumina_Gold	LG5
GGFEK7Q01A	1	A4/11P	Illumina_Gold	LG3
na	na	QS21	Illumina_Gold	LG6
na	na	QS28	Illumina_Gold	LG11
GGFEK7Q01C	3,00E-14	QS21	Illumina_Gold	LG12
GGFEK7Q01A	0	11P	Illumina_Gold	LG11
GGFEK7Q01A	0	A4/11P	Illumina_Gold	LG5

GGFEK7Q01B	0	A4	Illumina_Gold	LG6
GGFEK7Q01A	0	QS21	Illumina_Gold	LG9
qscs0006.d.18	e-148	QS21/QS29	Illumina_Gold	LG9
GGFEK7Q01A	0	QS21/QS29	Illumina_Gold	LG6
GGFEK7Q01A	0	3P/A4/QS29	Illumina_Gold	LG2
GGFEK7Q01A	0	A4/QS28/QS2	Illumina_Gold	LG12
GGFEK7Q01B	0	QS28	Illumina_Gold	LG2
GGFEK7Q01A	1,00E-27	QS29	Illumina_Gold	LG8
GGFEK7Q01B	0	3P/A4/QS21/4	Illumina_Gold	LG9
GGFEK7Q01A	0	3P/A4	SSCP	LG1
na	na	11P/QS29	Illumina_Gold	LG9
GGFEK7Q01A	6,00E-45	3P	Illumina_Gold	LG3
GGFEK7Q01B	5,00E-81	3P/11P/QS28	Illumina_Gold	LG2
GGFEK7Q01B	e-108	QS21	Illumina_Gold	LG8
GGFEK7Q01B	e-108	3P/A4	Illumina_Gold	LG11
GGFEK7Q01B	e-162	A4/QS29	Illumina_Gold	LG2