

Supplementary Table 1. Soil physicochemical properties.

pH	EC (μs/cm)	Organic matter (g/kg)	Available N (mg/kg)	Available P (mg/kg)	Available K (mg/kg)
6.12±0.32	171±10.6	13.5±1.18	70.5±8.2	21.8±6.2	79.3±9.6

Supplementary Table 2. Primers used in this study.

Gene	Usage	Sequence (5'-3')
<i>Pseudomonas</i> species 16S rRNA	qPCR	5' TCGGGAACATTGAGACAG 3' 5' AGAGTGCCCACCATTACG 3'
<i>Chitinophaga</i> species 16S rRNA	qPCR	5' GCTAGAATGCAGTCTGACTA 3' 5' GACGTGCTGGCAACTAGTGA 3'
<i>Flavobacterium</i> species 16S rRNA	qPCR	5' TACCAATTGCGAAGGCAGGT 3' 5' GTTTACGGCGTGGACTACCA 3'
Zm00001d026041	qPCR	5' GTGGTGGACAGAAACAGC 3' 5' CTTGGTGGGTACATACA 3'
Zm00001d014680	qPCR	5' CGTGCTGGTGCTGTTCTCG 3' 5' CCCATCCTTGCGTTCTGCTT 3'
Zm00001d007027	qPCR	5' CCAAGGAGGAGGAGGAGGAGGA 3' 5' CCGAACACGAGGTAGCTGACGA 3'
Zm00001d027619	qPCR	5' GGACGGCAACTCGCTCAACC 3' 5' CATGACGGCCTGGACCTTG 3'
Zm00001d047796	qPCR	5' ACCCATAAACAGGACACTA 3' 5' TAAAGCCAATACCAGACC 3'
Zm00001d005698	qPCR	5' GCTCGACTTCCTGCCCTTCG 3' 5' CTTGCAGTCCTGGGTGTTGG 3'
Zm00001d029583	qPCR	5' GTCTTCAACCTCCTCCTCGTCG 3' 5' GAACGCCAGCCACTTCCTCT 3'
Zm00001d012279	qPCR	5' CCCCGTGGATACTCTACTCCCG 3' 5' GCGGTCACCCTGCACGA ACT 3'
ZmACTIN	qPCR	5' GATTCCTGGGATTGCCGAT 3' 5' TTCTCCACTGTTTGCTACG 3'

Supplementary Table 3. Up- and down-regulated DEGs in the G1 (+CON_{pcf} vs –CON_{pcf}).

Gene ID	FDR	log2FC	Regulated	NR_annotation
Zm00001d032776	1E-15	5.64	up	TPA: eukaryotic translation initiation factor 4E-2 [Zea mays]
Zm00001d007231	2E-15	5.62	up	TPA: hypothetical protein ZEAMMB73_792489 [Zea mays]
Zm00001d040028	2E-15	5.62	up	PREDICTED: uncharacterized protein LOC103649857 [Zea mays]
Zm00001d042749	3E-15	5.6	up	PREDICTED: LOW QUALITY PROTEIN: protein YLS9-like [Zea mays]
Zm00001d043121	8E-15	5.56	up	TPA: putative thaumatin domain family protein [Zea mays]
Zm00001d017477	2E-13	5.41	up	PREDICTED: ethylene-responsive transcription factor ERF038-like [Zea mays]
Zm00001d004033	6E-13	5.36	up	PREDICTED: dnaJ homolog subfamily C member 2-like [Zea mays]
Zm00001d013362	2E-12	5.29	up	uncharacterized protein LOC100279455 [Zea mays]
Zm00001d033931	4E-05	5.21	up	PREDICTED: alcohol dehydrogenase 1 (ADH1) [Zea mays]
Zm00001d004357	3E-11	5.16	up	TPA: putative protein phosphatase 2C family protein [Zea mays]
Zm00001d015092	3E-16	5.08	up	nuc-1 negative regulatory protein preg [Zea mays]
Zm00001d053650	1E-10	5.08	up	uncharacterized LOC100191979 [Zea mays]
Zm00001d051548	2E-10	5.05	up	hypothetical protein ZEAMMB73_638606 [Zea mays]
Zm00001d044726	7E-10	4.99	up	PREDICTED: NF-X1-type zinc finger protein NFXL1-like [Zea mays]
Zm00001d012408	1E-09	4.96	up	putative laccase family protein [Zea mays]
Zm00001d049179	1E-09	4.96	up	TRIOA-glucoside O-methyltransferase BX7 [Zea mays]
Zm00001d049111	1E-14	4.94	up	TPA: putative cystatin [Zea mays]
Zm00001d033749	2E-09	4.93	up	PREDICTED: pentatricopeptide repeat-containing protein At4g01570 [Zea mays]
Zm00001d040542	2E-09	4.93	up	PREDICTED: pentatricopeptide repeat-containing protein At2g13600-like isoform X1 [Zea mays]
Zm00001d017480	2E-14	4.92	up	PREDICTED: ethylene-responsive transcription factor ERF039-like [Zea mays]
Zm00001d020825	6E-09	4.86	up	PREDICTED: pentatricopeptide repeat-containing protein At5g48910-like isoform X2 [Zea mays]
Zm00001d019733	2E-08	4.79	up	TPA: hypothetical protein ZEAMMB73_042132 [Zea mays]
Zm00001d017101	5E-13	4.78	up	protein binding protein [Zea mays]
Zm00001d007616	3E-08	4.76	up	patatin T5 [Zea mays]
Zm00001d030775	9E-08	4.69	up	TPA: hypothetical protein ZEAMMB73_688937 [Zea mays]
Zm00001d010705	1E-07	4.65	up	F-box domain containing protein [Zea mays]
Zm00001d034417	1E-07	4.65	up	PREDICTED: uncharacterized protein LOC103644167 [Zea mays]
Zm00001d042196	1E-07	4.65	up	PREDICTED: nuclear transcription factor Y subunit B-1-like [Zea mays]
Zm00001d043477	1E-07	4.65	up	TPA: putative cellulose synthase family protein [Zea mays]
Zm00001d047745	1E-07	4.65	up	protein YIP1 [Zea mays]
Zm00001d013641	3E-07	4.61	up	hypothetical protein [Zea mays]
Zm00001d029274	3E-07	4.61	up	TPA: putative class III secretory plant peroxidase family protein [Zea mays]
Zm00001d042486	3E-07	4.61	up	PREDICTED: galactolipase DONGLE, chloroplastic-like [Zea mays]
Zm00001d052816	2E-14	4.55	up	hypothetical protein ZEAMMB73_625740 [Zea mays]
Zm00001d016151	8E-07	4.53	up	PREDICTED: cytochrome P450 93A3-like [Zea mays]
Zm00001d026041	8E-07	4.53	up	PREDICTED: LOW QUALITY PROTEIN: putative ABC transporter C family member 15 [Zea mays]
Zm00001d023548	1E-10	4.52	up	putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d027423	1E-10	4.52	up	PREDICTED: flavonol synthase/flavanone 3-hydroxylase-like isoform X1 [Zea mays]
Zm00001d037849	7E-14	4.5	up	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d049544	2E-16	4.46	up	uncharacterized protein LOC100193288 [Zea mays]
Zm00001d041530	2E-06	4.44	up	TPA: hypothetical protein ZEAMMB73_458341 [Zea mays]
Zm00001d028718	6E-16	4.43	up	hypothetical protein [Zea mays]
Zm00001d049595	4E-13	4.42	up	PREDICTED: cytochrome P450 89A2-like [Zea mays]
Zm00001d028171	4E-06	4.4	up	hypothetical protein [Zea mays]
Zm00001d036229	4E-06	4.4	up	hypothetical protein ZEAMMB73_729869 [Zea mays]
Zm00001d044373	4E-06	4.4	up	TPA: leucine-rich repeat (LRR) family protein, partial [Zea mays]
Zm00001d022607	1E-09	4.39	up	PREDICTED: mavinian-like [Zea mays]
Zm00001d014253	8E-06	4.35	up	ZIM motif family protein [Zea mays]
Zm00001d025107	8E-06	4.35	up	uncharacterized protein LOC100192811 [Zea mays]
Zm00001d032399	8E-06	4.35	up	uncharacterized protein LOC100383543 [Zea mays]
Zm00001d043562	8E-06	4.35	up	hypothetical protein SORBIDRAFT_03g034040 [Sorghum bicolor]
Zm00001d014766	1E-05	4.3	up	uncharacterized protein LOC100193563 [Zea mays]
Zm00001d042980	1E-05	4.3	up	hypothetical protein [Zea mays]
Zm00001d053398	1E-05	4.3	up	PREDICTED: uncharacterized protein LOC103653602 [Zea mays]
Zm00001d008210	9E-09	4.27	up	unknown [Zea mays]
Zm00001d041380	2E-05	4.25	up	hypothetical protein [Zea mays]
Zm00001d047901	2E-05	4.25	up	hypothetical protein ZEAMMB73_568803 [Zea mays]
Zm00001d038841	1E-05	4.23	up	PREDICTED: probable aldehyde dehydrogenase ALDH12 [Zea mays]
Zm00001d018751	4E-05	4.2	up	TPA: hypothetical protein ZEAMMB73_156584 [Zea mays]
Zm00001d032055	4E-05	4.2	up	uncharacterized protein LOC100278496 precursor [Zea mays]
Zm00001d002564	9E-11	4.16	up	TPA: hypothetical protein ZEAMMB73_926701 [Zea mays]
Zm00001d018206	9E-11	4.16	up	Nitrate reductase [NAD(P)H] [Triticum urartu]
Zm00001d006180	8E-05	4.15	up	PREDICTED: uncharacterized protein LOC103647997 [Zea mays]
Zm00001d009187	8E-05	4.15	up	hypothetical protein ZEAMMB73_816954 [Zea mays]
Zm00001d014831	8E-05	4.15	up	hypothetical protein ZEAMMB73_826788 [Zea mays]
Zm00001d030507	8E-05	4.15	up	PREDICTED: WAT1-related protein At5g64700-like isoform X1 [Zea mays]
Zm00001d027370	7E-08	4.14	up	PREDICTED: uncharacterized protein LOC100192905 isoform X1 [Zea mays]
Zm00001d027622	1E-10	4.14	up	PREDICTED: uncharacterized protein LOC103631700 isoform X1 [Zea mays]
Zm00001d026627	2E-10	4.12	up	hypothetical protein ZEAMMB73_849324 [Zea mays]
Zm00001d018988	1E-07	4.11	up	C-Myc-binding protein [Zea mays]
Zm00001d002343	0.0001	4.09	up	zinc transporter 1 precursor [Zea mays]
Zm00001d002899	0.0001	4.09	up	TPA: hypothetical protein ZEAMMB73_136998 [Zea mays]
Zm00001d013222	0.0001	4.09	up	gibberellin-regulated protein 2 precursor [Zea mays]
Zm00001d026623	0.0001	4.09	up	hypothetical protein ZEAMMB73_494831 [Zea mays]
Zm00001d028599	0.0001	4.09	up	uncharacterized protein LOC100193025 precursor [Zea mays]
Zm00001d031601	0.0001	4.09	up	uncharacterized protein LOC100383532 [Zea mays]
Zm00001d041055	0.0001	4.09	up	PREDICTED: RNA-binding protein 42-like [Zea mays]
Zm00001d045463	0.0001	4.09	up	NAM protein [Zea mays]
Zm00001d024234	2E-16	4.09	up	(E)-beta-caryophyllene synthase [Zea mays]
Zm00001d052041	2E-12	4.08	up	hypothetical protein ZEAMMB73_266582 [Zea mays]
Zm00001d024199	3E-07	4.04	up	putative protein kinase superfamily protein [Zea mays]
Zm00001d052189	3E-07	4.04	up	putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d039770	0.0003	4.03	up	unknown [Zea mays]
Zm00001d014987	8E-12	4.02	up	PREDICTED: probable cellulose synthase A catalytic subunit 1 [UDP-forming] [Zea mays]
Zm00001d011393	1E-11	4	up	PREDICTED: S-type anion channel SLAH2-like isoform X3 [Zea mays]
Zm00001d035987	0.0005	3.97	up	putative DUF594 domain containing family protein [Zea mays]
Zm00001d041725	0.0005	3.97	up	pollen-specific protein SF3 [Zea mays]

Supplementary Table 3. Continued.

Zm00001d043222	0.0005	3.97	up	PREDICTED: uncharacterized protein LOC100502180 isoform X1 [Zea mays]
Zm00001d005174	9E-07	3.97	up	DIMBOA UDP-glucosyltransferase BX8 [Zea mays]
Zm00001d042099	4E-09	3.96	up	TPA: glutathione S-transferase [Zea mays]
Zm00001d037766	2E-06	3.93	up	uncharacterized protein LOC100272647 [Zea mays]
Zm00001d016952	0.0009	3.91	up	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d028809	0.0009	3.91	up	TPA: hypothetical protein ZEAMMB73_854007 [Zea mays]
Zm00001d032947	0.0009	3.91	up	chitinase 2 precursor [Zea mays]
Zm00001d045283	0.0009	3.91	up	PREDICTED: probable WRKY transcription factor 53 [Zea mays]
Zm00001d031913	8E-16	3.89	up	PREDICTED: nodulin-like protein 5NG4 isoform X1 [Zea mays]
Zm00001d002887	5E-06	3.85	up	PREDICTED: uncharacterized protein LOC103649331 [Zea mays]
Zm00001d012774	5E-06	3.85	up	PREDICTED: proline-rich receptor-like protein kinase PERK9 [Zea mays]
Zm00001d008919	0.0016	3.85	up	PREDICTED: transcription factor PCF5-like [Zea mays]
Zm00001d018862	0.0016	3.85	up	PREDICTED: pentatricopeptide repeat-containing protein At3g62890-like [Zea mays]
Zm00001d020967	0.0016	3.85	up	TMV response-related protein [Zea mays]
Zm00001d021693	0.0016	3.85	up	PREDICTED: cysteine-rich receptor-like protein kinase 6 isoform X2 [Zea mays]
Zm00001d025112	0.0016	3.85	up	PREDICTED: transcription initiation factor TFIID subunit 5-like [Zea mays]
Zm00001d026540	8E-06	3.81	up	hypothetical protein ZEAMMB73_806966 [Zea mays]
Zm00001d038665	6E-16	3.79	up	tyrosine/DOPA decarboxylase 1 [Zea mays]
Zm00001d003012	0.003	3.78	up	hypothetical protein ZEAMMB73_346029 [Zea mays]
Zm00001d011788	0.003	3.78	up	PREDICTED: uncharacterized protein LOC100193771 isoform X1 [Zea mays]
Zm00001d020071	0.003	3.78	up	PREDICTED: sugar transport protein 14-like [Zea mays]
Zm00001d021167	0.003	3.78	up	uncharacterized protein LOC100279371 [Zea mays]
Zm00001d021387	0.003	3.78	up	PREDICTED: uncharacterized protein LOC100278588 isoform X1 [Zea mays]
Zm00001d037547	0.003	3.78	up	PREDICTED: peroxidase 5 [Zea mays]
Zm00001d032520	1E-05	3.77	up	PREDICTED: intracellular protein transport protein USO1-like [Zea mays]
Zm00001d022467	9E-13	3.76	up	TPA: anthocyanidin 3-O-glucosyltransferase [Zea mays]
Zm00001d045515	3E-09	3.73	up	PREDICTED: probable receptor-like protein kinase At2g21480 [Zea mays]
Zm00001d016632	2E-07	3.73	up	PREDICTED: zinc finger protein NUTCRACKER-like [Zea mays]
Zm00001d016059	2E-05	3.72	up	hypothetical protein ZEAMMB73_583747 [Zea mays]
Zm00001d028811	2E-05	3.72	up	glycosyltransferase 5 [Zea mays]
Zm00001d045219	2E-05	3.72	up	PREDICTED: putative auxin efflux carrier component 3b [Zea mays]
Zm00001d028694	4E-09	3.71	up	PREDICTED: ent-kaurenoic acid oxidase 1-like [Zea mays]
Zm00001d012167	0.0056	3.7	up	PREDICTED: LOC100286093 isoform X1 [Zea mays]
Zm00001d014204	0.0056	3.7	up	PREDICTED: oxidoreductase isoform X1 [Zea mays]
Zm00001d034989	0.0056	3.7	up	PREDICTED: pentatricopeptide repeat-containing protein At2g33760 isoform X1 [Zea mays]
Zm00001d040109	0.0056	3.7	up	PREDICTED: uncharacterized protein LOC100276506 isoform X1 [Zea mays]
Zm00001d012764	3E-07	3.7	up	malic enzyme Precursor [Zea mays]
Zm00001d021965	7E-16	3.68	up	hypothetical protein SORBIDRAFT_02g037840 [Sorghum bicolor]
Zm00001d048053	1E-14	3.67	up	putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d045056	8E-07	3.63	up	serine threonine kinase1 [Zea mays]
Zm00001d035249	1E-06	3.6	up	hypothetical protein ZEAMMB73_767449 [Zea mays]
Zm00001d021647	2E-16	3.56	up	PREDICTED: LOW QUALITY PROTEIN: pleiotropic drug resistance protein 5-like [Zea mays]
Zm00001d016733	3E-14	3.54	up	LOC100282844 [Zea mays]
Zm00001d022259	0.0002	3.53	up	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d052124	4E-06	3.53	up	PREDICTED: protein trichome birefringence-like 1 [Zea mays]
Zm00001d001989	3E-07	3.46	up	TPA: hypothetical protein ZEAMMB73_917003 [Zea mays]
Zm00001d027946	6E-10	3.46	up	PREDICTED: agmatine coumaroyltransferase-1-like [Zea mays]
Zm00001d021685	0.0006	3.43	up	PREDICTED: villin-4-like [Zea mays]
Zm00001d028073	0.0006	3.43	up	uncharacterized protein LOC100382795 [Zea mays]
Zm00001d031427	0.0006	3.43	up	PREDICTED: leucine-rich repeat receptor-like protein kinase PEPR2 [Zea mays]
Zm00001d031798	0.0006	3.43	up	PREDICTED: probable BRI1 kinase inhibitor 1 [Zea mays]
Zm00001d039461	0.0006	3.43	up	TPA: harpin-induced protein [Zea mays]
Zm00001d003190	2E-05	3.41	up	endochitinase A precursor [Zea mays]
Zm00001d037194	1E-10	3.41	up	blue copper protein precursor [Zea mays]
Zm00001d017380	1E-16	3.4	up	PREDICTED: membrane steroid-binding protein 2 [Zea mays]
Zm00001d007831	3E-15	3.39	up	lipid transfer protein precursor [Zea mays]
Zm00001d013263	2E-10	3.39	up	uncharacterized protein LOC100501522 [Zea mays]
Zm00001d010703	1E-11	3.39	up	PREDICTED: secretory carrier-associated membrane protein 3-like [Zea mays]
Zm00001d0006948	0.0011	3.37	up	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d020317	0.0011	3.37	up	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d023700	0.0011	3.37	up	uncharacterized protein LOC100275796 [Zea mays]
Zm00001d042380	0.0011	3.37	up	PREDICTED: pentatricopeptide repeat-containing protein At3g29230-like [Setaria italica]
Zm00001d042572	0.0011	3.37	up	TPA: hypothetical protein ZEAMMB73_696219 [Zea mays]
Zm00001d037542	3E-05	3.37	up	PREDICTED: flavoprotein-like protein YCP4 [Zea mays]
Zm00001d046332	3E-05	3.37	up	putative HLH DNA-binding domain superfamily protein isoform 1 [Zea mays]
Zm00001d044455	4E-12	3.34	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d025862	2E-06	3.34	up	PREDICTED: L-allo-threonine aldolase isoform X1 [Zea mays]
Zm00001d046455	5E-10	3.33	up	PREDICTED: 3'-N-debenzoyl-2'-deoxytaxol N-benzoyltransferase-like [Zea mays]
Zm00001d015780	6E-12	3.33	up	hypothetical protein [Zea mays]
Zm00001d035999	9E-12	3.31	up	protein binding protein isoform 1 [Zea mays]
Zm00001d052843	3E-06	3.31	up	PREDICTED: uncharacterized protein LOC100384287 isoform X1 [Zea mays]
Zm00001d012808	8E-05	3.29	up	PREDICTED: uncharacterized protein LOC100274864 isoform X1 [Zea mays]
Zm00001d026060	0.0035	3.25	up	acc synthase [Zea mays]
Zm00001d036241	0.0035	3.25	up	hypothetical protein precursor [Zea mays]
Zm00001d051756	0.0035	3.25	up	PREDICTED: potassium transporter 25-like [Zea mays]
Zm00001d038692	3E-10	3.25	up	PREDICTED: uncharacterized protein LOC103630602 isoform X1 [Zea mays]
Zm00001d044426	0.0001	3.24	up	dnaJ-like protein [Zea mays]
Zm00001d036689	7E-06	3.24	up	PREDICTED: uncharacterized protein LOC103629684 [Zea mays]
Zm00001d040027	7E-06	3.24	up	unknown [Zea mays]
Zm00001d005775	4E-09	3.23	up	PREDICTED: cellulose synthase A catalytic subunit 9 [UDP-forming] [Zea mays]
Zm00001d043443	7E-16	3.21	up	uncharacterized protein LOC100191416 [Zea mays]
Zm00001d024850	7E-10	3.21	up	PREDICTED: 1-aminocyclopropane-1-carboxylate oxidase-like [Zea mays]
Zm00001d027649	6E-09	3.21	up	PREDICTED: uncharacterized protein LOC100192089 isoform X1 [Zea mays]
Zm00001d006132	0.0002	3.2	up	PREDICTED: uncharacterized protein LOC100272525 isoform X1 [Zea mays]
Zm00001d007604	0.0002	3.2	up	TPA: patatin T5 [Zea mays]
Zm00001d052130	0.0002	3.2	up	hypothetical protein [Zea mays]
Zm00001d012595	0.0061	3.19	up	PREDICTED: pectate lyase 1-like [Zea mays]
Zm00001d026657	0.0061	3.19	up	PREDICTED: probable CCR4-associated factor 1 homolog 11, partial [Zea mays]

Supplementary Table 3. Continued.

Zm00001d027947	0.0061	3.19	up	PREDICTED: tyrosine decarboxylase 1-like [Zea mays]
Zm00001d037474	0.0061	3.19	up	hypothetical protein ZEAMMB73_366327 [Zea mays]
Zm00001d040126	0.0061	3.19	up	TPA: hypothetical protein ZEAMMB73_822228 [Zea mays]
Zm00001d020652	4E-12	3.18	up	hypothetical protein [Zea mays]
Zm00001d038599	2E-13	3.17	up	LOC100284675 precursor [Zea mays]
Zm00001d021629	0.0004	3.15	up	transparent testa 12 protein [Zea mays]
Zm00001d003304	4E-10	3.14	up	TPA: hypothetical protein ZEAMMB73_820466 [Zea mays]
Zm00001d012887	3E-09	3.13	up	hypothetical protein [Zea mays]
Zm00001d016765	2E-07	3.13	up	uncharacterized LOC100273626 [Zea mays]
Zm00001d028725	5E-09	3.11	up	beta3-glucuronyltransferase [Zea mays]
Zm00001d038682	4E-07	3.11	up	unknown [Zea mays]
Zm00001d043587	0.0007	3.1	up	transferase, transferring glycosyl groups [Zea mays]
Zm00001d051468	5E-05	3.09	up	LOC100217252 [Zea mays]
Zm00001d027471	1E-11	3.08	up	uncharacterized protein LOC100383093 precursor [Zea mays]
Zm00001d052268	1E-08	3.07	up	RING-H2 finger protein ATL1Q [Zea mays]
Zm00001d043586	2E-14	3.06	up	TPA: hypothetical protein ZEAMMB73_265438 [Zea mays]
Zm00001d040297	0.0011	3.06	up	LOC100285535 precursor [Zea mays]
Zm00001d043740	0.0011	3.06	up	PREDICTED: mitogen-activated protein kinase kinase kinase 2-like [Zea mays]
Zm00001d019701	9E-05	3.05	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At4g37250 [Zea mays]
Zm00001d035057	9E-05	3.05	up	PREDICTED: uncharacterized acetyltransferase At3g50280-like [Zea mays]
Zm00001d003379	1E-07	3.05	up	pathogenesis-related protein 2 [Zea mays]
Zm00001d004048	0.0001	3.01	up	PREDICTED: momilactone A synthase-like [Zea mays]
Zm00001d028160	0.0001	3.01	up	TPA: hypothetical protein ZEAMMB73_493857 [Zea mays]
Zm00001d036818	0.0001	3.01	up	polylacturonase precursor [Zea mays]
Zm00001d029025	6E-09	3.01	up	PREDICTED: 2,3-bisphosphoglycerate-independent phosphoglycerate mutase-like isoform X1 [Zea mays]
Zm00001d044839	2E-06	3	up	LOC100281850 [Zea mays]
Zm00001d047274	2E-06	3	up	PREDICTED: uncharacterized protein LOC100277469 isoform X1 [Zea mays]
Zm00001d005682	5E-13	2.98	up	PREDICTED: serine/threonine-protein kinase PBS1 [Zea mays]
Zm00001d041518	2E-15	2.98	up	hypothetical protein [Zea mays]
Zm00001d030509	1E-10	2.98	up	LOC100280588 precursor [Zea mays]
Zm00001d045884	0.0002	2.97	up	uncharacterized protein LOC100274442 [Zea mays]
Zm00001d039842	8E-08	2.96	up	unknown [Zea mays]
Zm00001d012158	2E-12	2.94	up	hypothetical protein SORBIDRAFT_03g042700 [Sorghum bicolor]
Zm00001d024928	2E-12	2.94	up	PREDICTED: zinc finger CCCH domain-containing protein 24-like isoform X1 [Zea mays]
Zm00001d031925	0.0004	2.93	up	uncharacterized protein LOC100277057 [Zea mays]
Zm00001d041826	0.0004	2.93	up	PREDICTED: putative cyclin-dependent kinase F-2 [Zea mays]
Zm00001d002802	9E-11	2.93	up	PREDICTED: probable receptor-like protein kinase At1g33260 [Zea mays]
Zm00001d021655	3E-12	2.91	up	PREDICTED: WAT1-related protein At5g64700-like [Zea mays]
Zm00001d013519	0.0054	2.89	up	PREDICTED: protein UPSTREAM OF FLC-like [Zea mays]
Zm00001d021927	0.0054	2.89	up	PREDICTED: protein BZR1 homolog 1-like [Zea mays]
Zm00001d027949	0.0054	2.89	up	TPA: tyrosine/DOPA decarboxylase 2 [Zea mays]
Zm00001d165620	0.0054	2.89	up	benzoxazinone synthesis BX2 [Zea mays]
Zm00001d052540	6E-08	2.89	up	PREDICTED: pentatricopeptide repeat-containing protein At1g22960, mitochondrial-like [Zea mays]
Zm00001d049926	0.0006	2.89	up	gibberellin 20 oxidase 2 [Zea mays]
Zm00001d029391	7E-16	2.88	up	unknown [Zea mays]
Zm00001d013629	1E-05	2.88	up	PREDICTED: cytochrome P450 87A3-like [Zea mays]
Zm00001d009693	8E-16	2.88	up	hypothetical protein SORBIDRAFT_09g029750 [Sorghum bicolor]
Zm00001d029888	2E-05	2.85	up	hypothetical protein [Zea mays]
Zm00001d043929	2E-11	2.84	up	uncharacterized protein LOC100192072 precursor [Zea mays]
Zm00001d003180	0.0092	2.84	up	unknown [Zea mays]
Zm00001d022075	0.0092	2.84	up	TPA: putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d035981	0.0092	2.84	up	PREDICTED: uncharacterized protein LOC100272818 isoform X1 [Zea mays]
Zm00001d020332	2E-09	2.83	up	ubiquitin-protein ligase [Zea mays]
Zm00001d028486	3E-05	2.81	up	chemocyanin precursor [Zea mays]
Zm00001d053195	1E-06	2.8	up	putative AP2/EREBP transcription factor superfamily protein [Zea mays]
Zm00001d017025	5E-13	2.79	up	RecName: Full=Nitrate reductase [NADH] 3; Short=NR [Zea mays]
Zm00001d018181	3E-11	2.78	up	PREDICTED: flavonol synthase/flavanone 3-hydroxylase-like [Zea mays]
Zm00001d041794	7E-05	2.75	up	hypothetical protein [Zea mays]
Zm00001d016697	6E-08	2.74	up	LOC100283161 precursor [Zea mays]
Zm00001d045101	6E-08	2.74	up	uncharacterized protein LOC100382657 [Zea mays]
Zm00001d007901	2E-15	2.73	up	PREDICTED: high mobility group nucleosome-binding domain-containing protein 5-like [Zea mays]
Zm00001d020512	4E-11	2.72	up	PREDICTED: BTB/POZ domain-containing protein NPY1-like [Zea mays]
Zm00001d052243	0.0001	2.71	up	putative laccase family protein [Zea mays]
Zm00001d020903	4E-07	2.71	up	LOC100281204 precursor [Zea mays]
Zm00001d042800	3E-16	2.7	up	TPA: hypothetical protein ZEAMMB73_148136 [Zea mays]
Zm00001d041063	4E-09	2.7	up	PREDICTED: serine/threonine-protein kinase KIPK-like [Zea mays]
Zm00001d007420	0.0044	2.7	up	PREDICTED: uncharacterized protein LOC103648039 [Zea mays]
Zm00001d016149	0.0044	2.7	up	PREDICTED: uncharacterized protein LOC100382415 isoform X1 [Zea mays]
Zm00001d045316	0.0044	2.7	up	PREDICTED: probable sugar phosphate/phosphate translocator At1g06470 [Zea mays]
Zm00001d008633	4E-08	2.69	up	PREDICTED: putative receptor-like protein kinase At3g47110 [Zea mays]
Zm00001d034514	2E-10	2.69	up	TPA: hypothetical protein ZEAMMB73_285744 [Zea mays]
Zm00001d003301	0.0002	2.68	up	TPA: hypothetical protein ZEAMMB73_013076 [Zea mays]
Zm00001d032464	0.0002	2.68	up	PREDICTED: kinesin-related protein 11-like [Zea mays]
Zm00001d029360	3E-10	2.68	up	PREDICTED: LOW QUALITY PROTEIN: granule-bound starch synthase 1, chloroplastic/amyloplastic-like [Zea mays]
Zm00001d046490	6E-11	2.67	up	PREDICTED: NADP-dependent oxidoreductase P2 isoform X1 [Zea mays]
Zm00001d033231	4E-16	2.67	up	beta-expansin 4 precursor [Zea mays]
Zm00001d002128	1E-08	2.65	up	hypothetical protein [Zea mays]
Zm00001d027810	0.0073	2.65	up	PREDICTED: glycerol-3-phosphate 2-O-acyltransferase 6-like [Zea mays]
Zm00001d006639	6E-05	2.64	up	TPA: hypothetical protein ZEAMMB73_469504 [Zea mays]
Zm00001d029721	3E-09	2.62	up	TPA: putative protein kinase superfamily protein [Zea mays]
Zm00001d035476	5E-11	2.61	up	carbohydrate binding protein [Zea mays]
Zm00001d048634	1E-04	2.61	up	DIBOA-glucoside dioxygenase BX6 [Zea mays]
Zm00001d003062	0.0004	2.6	up	hypothetical protein precursor [Zea mays]
Zm00001d012512	3E-08	2.6	up	uncharacterized protein LOC100384715 [Zea mays]
Zm00001d028118	8E-07	2.6	up	hypothetical protein [Zea mays]
Zm00001d028243	4E-07	2.58	up	putative O-Glycosyl hydrolase superfamily protein precursor [Zea mays]
Zm00001d039488	9E-15	2.58	up	pollen-specific protein SF21 [Zea mays]
Zm00001d042140	2E-12	2.57	up	beta-1,3-glucanase precursor [Zea mays]

Supplementary Table 3. Continued.

Zm00001d037656	0.0007	2.57	up	xylanase inhibitor protein 1 [Zea mays]
Zm00001d038878	2E-07	2.57	up	MYB transcription factor, partial [Zea mays]
Zm00001d043324	2E-07	2.57	up	PREDICTED: F-box domain containing protein isoform X1 [Zea mays]
Zm00001d044662	1E-05	2.56	up	ZHD9 ZF-HD type transcription factor, partial [Zea mays subsp. mays]
Zm00001d010586	2E-16	2.55	up	uncharacterized protein LOC100279044 [Zea mays]
Zm00001d009328	0.0002	2.54	up	glycosyltransferase [Zea mays]
Zm00001d010828	7E-07	2.54	up	triacylglycerol lipase [Zea mays]
Zm00001d002520	1E-10	2.53	up	hypothetical protein [Zea mays]
Zm00001d011459	3E-14	2.53	up	hypothetical protein [Zea mays]
Zm00001d020951	0.0011	2.53	up	PREDICTED: putative DNA-binding protein ESCAROLA [Zea mays]
Zm00001d021870	0.0011	2.53	up	hypothetical protein [Zea mays]
Zm00001d029988	0.0011	2.53	up	uncharacterized LOC100279269 [Zea mays]
Zm00001d034729	0.0011	2.53	up	PREDICTED: uncharacterized protein LOC100193588 isoform X1 [Zea mays]
Zm00001d022078	8E-05	2.52	up	hypothetical protein precursor [Zea mays]
Zm00001d017615	5E-09	2.52	up	unknown [Zea mays]
Zm00001d046416	3E-06	2.51	up	PREDICTED: LOW QUALITY PROTEIN: premmaspirodiene oxygenase-like [Zea mays]
Zm00001d023282	3E-05	2.51	up	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d034085	3E-05	2.51	up	uncharacterized protein LOC100275577 [Zea mays]
Zm00001d008872	0.0004	2.51	up	putative AP2/EREBP transcription factor superfamily protein [Zea mays]
Zm00001d006057	1E-14	2.5	up	uncharacterized protein LOC100192765 [Zea mays]
Zm00001d044828	7E-07	2.49	up	hypothetical protein ZEAMMB73_225769 [Zea mays]
Zm00001d031131	0.0017	2.49	up	TPA: putative sodium/calcium exchanger family protein [Zea mays]
Zm00001d048137	3E-10	2.49	up	PREDICTED: QWRF motif-containing protein 2-like [Zea mays]
Zm00001d002940	8E-15	2.48	up	PREDICTED: putative 1-phosphatidylinositol-3-phosphate 5-kinase FAB1D isoform X1 [Zea mays]
Zm00001d019725	3E-07	2.48	up	unknown [Zea mays]
Zm00001d024071	2E-06	2.48	up	unknown [Zea mays]
Zm00001d031625	3E-09	2.48	up	TPA: putative MADS-box transcription factor family protein [Zea mays]
Zm00001d016471	1E-08	2.47	up	unknown [Zea mays]
Zm00001d021688	2E-10	2.47	up	TPA: putative DUF26-domain receptor-like protein kinase family protein [Zea mays]
Zm00001d053438	4E-07	2.46	up	unknown [Zea mays]
Zm00001d052210	7E-06	2.46	up	PREDICTED: UDP-glycosyltransferase 85A5-like [Zea mays]
Zm00001d007311	7E-05	2.45	up	TPA: putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d015397	0.0027	2.45	up	VQ motif family protein [Zea mays]
Zm00001d042768	6E-07	2.44	up	TPA: hevamine-A [Zea mays]
Zm00001d046838	0.0003	2.43	up	PREDICTED: uncharacterized protein LOC100193715 isoform X1 [Zea mays]
Zm00001d031993	7E-11	2.43	up	PREDICTED: probable rhamnogalacturonate lyase B isoform X1 [Zea mays]
Zm00001d017989	0.0013	2.4	up	PREDICTED: GDSL esterase/lipase At5g55050-like [Zea mays]
Zm00001d039487	0.0004	2.4	up	TPA: hypothetical protein ZEAMMB73_777642 [Zea mays]
Zm00001d012562	2E-11	2.4	up	uncharacterized protein LOC100192498 [Zea mays]
Zm00001d029913	9E-09	2.39	up	LOC542566 precursor [Zea mays]
Zm00001d018700	0.0002	2.39	up	PREDICTED: probable fucosyltransferase 8 [Zea mays]
Zm00001d043504	0.0002	2.39	up	PREDICTED: kinesin KP1 [Zea mays]
Zm00001d053055	2E-05	2.39	up	LOC100282529 precursor [Zea mays]
Zm00001d018947	4E-06	2.39	up	unknown [Zea mays]
Zm00001d024784	4E-06	2.39	up	MYB transcription factor [Zea mays]
Zm00001d030339	9E-08	2.38	up	peptidyl-prolyl cis-trans isomerase [Zea mays]
Zm00001d039301	9E-12	2.37	up	TPA: vegetative storage protein PNI288 [Zea mays]
Zm00001d048189	9E-12	2.37	up	hypothetical protein ZEAMMB73_695392 [Zea mays]
Zm00001d030213	2E-07	2.37	up	protein kinase precursor [Zea mays]
Zm00001d017570	6E-06	2.37	up	PREDICTED: aluminum-activated malate transporter 10-like [Zea mays]
Zm00001d017559	0.0002	2.36	up	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d039086	0.0002	2.36	up	PREDICTED: protein CHUP1, chloroplastic-like isoform X1 [Zea mays]
Zm00001d009626	6E-13	2.36	up	putative protein phosphatase 2C family protein [Zea mays]
Zm00001d019669	3E-15	2.36	up	TPA: cinnamoyl-CoA reductase isoform 1 [Zea mays]
Zm00001d027938	5E-11	2.35	up	hypothetical protein [Zea mays]
Zm00001d040805	5E-05	2.34	up	PREDICTED: uncharacterized protein LOC100384248 isoform X1 [Zea mays]
Zm00001d024795	1E-06	2.33	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At3g47570 [Zea mays]
Zm00001d002067	3E-11	2.33	up	TPA: hypothetical protein ZEAMMB73_383807 [Zea mays]
Zm00001d025456	0.001	2.33	up	TPA: putative peptidase C48 domain family protein [Zea mays]
Zm00001d042723	0.001	2.33	up	PREDICTED: uncharacterized protein LOC100273498 isoform X1 [Zea mays]
Zm00001d013858	2E-16	2.33	up	putative protein kinase superfamily protein [Zea mays]
Zm00001d052103	0.0031	2.32	up	uncharacterized protein LOC100272705 [Zea mays]
Zm00001d053733	0.0031	2.32	up	PREDICTED: glucan endo-1,3-beta-glucosidase, acidic isoform-like [Zea mays]
Zm00001d031005	8E-09	2.32	up	PREDICTED: early endosome antigen 1-like [Zea mays]
Zm00001d036735	7E-05	2.31	up	unknown [Zea mays]
Zm00001d039799	7E-06	2.31	up	PREDICTED: probable carboxylesterase 15 [Zea mays]
Zm00001d029209	2E-05	2.3	up	PREDICTED: phosphatidylinositol 4-phosphate 5-kinase 6-like isoform X2 [Zea mays]
Zm00001d028092	1E-09	2.3	up	unknown [Zea mays]
Zm00001d018752	5E-14	2.29	up	TPA: putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d045778	0.0015	2.29	up	embryogenesis transmembrane protein [Zea mays]
Zm00001d021303	3E-07	2.29	up	PREDICTED: LOC100280671 isoform X1 [Zea mays]
Zm00001d045458	3E-07	2.29	up	PREDICTED: uncharacterized protein LOC103638128 [Zea mays]
Zm00001d012836	6E-07	2.29	up	hypothetical protein [Zea mays]
Zm00001d039749	6E-10	2.28	up	PREDICTED: receptor-like protein 12 [Zea mays]
Zm00001d009560	0.0047	2.28	up	hypothetical protein ZEAMMB73_957864 [Zea mays]
Zm00001d018819	0.0047	2.28	up	viviparous-14 [Zea mays]
Zm00001d037017	6E-05	2.27	up	PREDICTED: cationic amino acid transporter 8, vacuolar-like [Zea mays]
Zm00001d008850	0.0008	2.27	up	uncharacterized protein LOC100279368 [Zea mays]
Zm00001d028863	0.0008	2.27	up	PREDICTED: BRCT domain-containing protein At4g02110-like isoform X1 [Zea mays]
Zm00001d043701	0.0008	2.27	up	hypothetical protein precursor [Zea mays]
Zm00001d028693	3E-16	2.27	up	PREDICTED: protein IN2-1 isoform X2 [Zea mays]
Zm00001d045817	2E-06	2.26	up	PREDICTED: very-long-chain 3-oxoacyl-CoA reductase-like protein At1g24470 [Zea mays]
Zm00001d049539	3E-08	2.26	up	uncharacterized protein LOC100272856 precursor [Zea mays]
Zm00001d037160	5E-09	2.25	up	nodulin protein [Zea mays]
Zm00001d021930	4E-13	2.25	up	PREDICTED: uncharacterized protein LOC100384530 isoform X1 [Zea mays]
Zm00001d002046	2E-12	2.25	up	PREDICTED: uncharacterized protein LOC100192858 isoform X1 [Zea mays]
Zm00001d026193	4E-08	2.25	up	PREDICTED: WEB family protein At5g16730, chloroplastic-like [Zea mays]
Zm00001d010812	8E-05	2.25	up	PREDICTED: heat stress transcription factor A-4d-like [Zea mays]

Supplementary Table 3. Continued.

Zm00001d014814	8E-05	2.25	up	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d035526	2E-11	2.24	up	PREDICTED: uncharacterized protein LOC100191898 isoform X1 [Zea mays]
Zm00001d008569	2E-05	2.24	up	unknown [Zea mays]
Zm00001d028122	0.0073	2.24	up	uncharacterized protein LOC100192806 [Zea mays]
Zm00001d036418	0.0073	2.24	up	unknown [Zea mays]
Zm00001d037359	0.0073	2.24	up	PREDICTED: uncharacterized protein LOC100191217 isoform X1 [Zea mays]
Zm00001d047125	0.0073	2.24	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d050406	0.0073	2.24	up	PREDICTED: uncharacterized protein LOC100501994 isoform X1 [Zea mays]
Zm00001d009716	0.0002	2.23	up	PREDICTED: uncharacterized protein LOC103635410 isoform X1 [Zea mays]
Zm00001d039094	0.0002	2.23	up	PREDICTED: 3-ketoacyl-CoA synthase 11-like [Zea mays]
Zm00001d006161	5E-05	2.23	up	PREDICTED: alpha-L-fucosidase 1-like [Zea mays]
Zm00001d013782	3E-06	2.23	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At3g47570 [Zea mays]
Zm00001d036840	1E-08	2.23	up	PREDICTED: uncharacterized protein LOC100191568 isoform X1 [Zea mays]
Zm00001d017830	8E-11	2.22	up	pyrophosphate-fructose 6-phosphate 1-phosphotransferase alpha subunit isoform 1 [Zea mays]
Zm00001d037914	7E-06	2.22	up	uncharacterized protein LOC100277324 [Zea mays]
Zm00001d017984	9E-15	2.22	up	hypothetical protein ZEAMMB73_320909 [Zea mays]
Zm00001d052213	4E-10	2.22	up	PREDICTED: probable pectin methyltransferase QUA2 [Zea mays]
Zm00001d003897	4E-07	2.21	up	PREDICTED: putative uncharacterized protein FLJ22184 [Zea mays]
Zm00001d011687	8E-15	2.21	up	PREDICTED: IAA-amino acid hydrolase ILR1-like 4 isoform X1 [Zea mays]
Zm00001d042540	1E-14	2.2	up	TPA: lipoxygenase1 [Zea mays]
Zm00001d030544	8E-11	2.2	up	TPA: glyoxylate reductase [Zea mays]
Zm00001d017987	2E-09	2.2	up	microtubule-associated protein TORTIFOLIA1 [Zea mays]
Zm00001d030222	4E-07	2.19	up	PREDICTED: glycine-rich protein A3-like [Zea mays]
Zm00001d047840	3E-08	2.19	up	hypothetical protein [Zea mays]
Zm00001d040148	2E-07	2.19	up	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d041298	2E-07	2.19	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At3g47570 isoform X1 [Zea mays]
Zm00001d008911	3E-13	2.18	up	LOC100285177 precursor [Zea mays]
Zm00001d027335	0.0005	2.18	up	PREDICTED: trihelix transcription factor GTL1-like [Zea mays]
Zm00001d028866	4E-12	2.17	up	PREDICTED: trans-splicing factor Raa3, chloroplastic-like isoform X1 [Zea mays]
Zm00001d018635	0.0025	2.17	up	PREDICTED: phytosulfokine receptor 2 [Zea mays]
Zm00001d026308	0.0025	2.17	up	PREDICTED: uncharacterized protein LOC103642058 [Zea mays]
Zm00001d044535	3E-10	2.17	up	PREDICTED: uncharacterized protein LOC100278497 isoform X1 [Zea mays]
Zm00001d049715	1E-10	2.17	up	IAA25-auxin-responsive Aux/IAA family member [Zea mays]
Zm00001d039108	0.0002	2.17	up	PREDICTED: protein MIZU-KUSSEI 1-like [Zea mays]
Zm00001d048695	9E-07	2.17	up	hypothetical protein [Zea mays]
Zm00001d053293	3E-12	2.16	up	calcineurin B-like protein [Zea mays]
Zm00001d043773	6E-07	2.16	up	PREDICTED: uncharacterized protein LOC100276465 isoform X1 [Zea mays]
Zm00001d027763	9E-12	2.16	up	TPA: plant-specific domain TIGR01615 family protein [Zea mays]
Zm00001d022437	0.0001	2.16	up	PREDICTED: probable WRKY transcription factor 70 [Zea mays]
Zm00001d049055	0.0007	2.15	up	serine carboxypeptidase F13S12.6 [Zea mays]
Zm00001d038177	9E-14	2.15	up	PREDICTED: probable carboxylesterase 15 [Zea mays]
Zm00001d037784	2E-16	2.14	up	uncharacterized protein LOC100191391 [Zea mays]
Zm00001d038913	9E-11	2.14	up	nonspecific lipid-transfer protein AKCS9 precursor [Zea mays]
Zm00001d012931	0.0078	2.14	up	uncharacterized LOC100192584 [Zea mays]
Zm00001d014341	7E-16	2.14	up	peroxidase 54 precursor [Zea mays]
Zm00001d0002592	5E-07	2.14	up	PREDICTED: 1-aminocyclopropane-1-carboxylate synthase-like [Zea mays]
Zm00001d001828	1E-13	2.14	up	PREDICTED: katanin p80 WD40 repeat-containing subunit B1 homolog [Zea mays]
Zm00001d023984	4E-13	2.14	up	uncharacterized protein LOC100191178 precursor [Zea mays]
Zm00001d026500	7E-07	2.13	up	PREDICTED: uncharacterized protein LOC103642146 [Zea mays]
Zm00001d042653	3E-11	2.13	up	hypothetical protein [Zea mays]
Zm00001d023384	1E-14	2.12	up	LOC100281314 precursor [Zea mays]
Zm00001d029580	4E-05	2.12	up	PREDICTED: 3-oxo-Delta(4,5)-steroid 5-beta-reductase-like [Zea mays]
Zm00001d020790	0.001	2.12	up	DNA binding protein [Zea mays]
Zm00001d038192	0.001	2.12	up	glutathione S-transferase GST 41 [Zea mays]
Zm00001d051695	1E-06	2.12	up	aspartic proteinase nepenthesin-2 [Zea mays]
Zm00001d050153	2E-08	2.12	up	PREDICTED: reticulon-like protein B21 isoform X3 [Zea mays]
Zm00001d045264	0.0003	2.11	up	hypothetical protein precursor [Zea mays]
Zm00001d020702	1E-12	2.11	up	PREDICTED: mitochondrial phosphate carrier protein 3, mitochondrial-like [Zea mays]
Zm00001d029839	4E-11	2.11	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d027305	0.0001	2.11	up	silicon transporter [Zea mays]
Zm00001d008693	1E-10	2.11	up	hydrolase [Zea mays]
Zm00001d021690	3E-05	2.1	up	TPA: putative O-glycosyl hydrolase family 17 protein [Zea mays]
Zm00001d016864	0.0007	2.09	up	unknown [Zea mays]
Zm00001d009373	2E-06	2.08	up	PREDICTED: peroxidase 72-like [Zea mays]
Zm00001d020100	3E-06	2.07	up	uncharacterized protein LOC100279578 [Zea mays]
Zm00001d007963	0.0083	2.06	up	hypothetical protein ZEAMMB73_453988 [Zea mays]
Zm00001d036678	0.0083	2.06	up	PREDICTED: uncharacterized LOC100381650 isoform X3 [Zea mays]
Zm00001d007188	0.0005	2.06	up	PREDICTED: ETHYLENE INSENSITIVE 3-like 1 protein [Zea mays]
Zm00001d027888	2E-08	2.05	up	TPA: hydrolase [Zea mays]
Zm00001d042541	6E-09	2.05	up	lipoxygenase [Zea mays]
Zm00001d050196	4E-10	2.05	up	PREDICTED: endo-1,3;1,4-beta-D-glucanase-like [Zea mays]
Zm00001d043205	3E-10	2.05	up	TPA: putative AP2/EREBP transcription factor superfamily protein [Zea mays]
Zm00001d029233	1E-11	2.04	up	PREDICTED: proline-rich transmembrane protein 2-like [Zea mays]
Zm00001d013099	4E-06	2.04	up	uncharacterized protein LOC100274216 [Zea mays]
Zm00001d042499	2E-09	2.04	up	PREDICTED: probable methyltransferase PMT19 [Zea mays]
Zm00001d012322	4E-15	2.04	up	cytochrome P450 CYP81A1 [Zea mays]
Zm00001d051419	4E-09	2.04	up	GSDL-motif protein lipase [Zea mays]
Zm00001d028680	0.0015	2.03	up	unknown [Zea mays]
Zm00001d025707	1E-08	2.03	up	PREDICTED: BTB/POZ and TAZ domain-containing protein 2-like [Setaria italica]
Zm00001d005542	4E-10	2.03	up	TPA: triose phosphate/phosphate translocator, non-green plastid,chloroplast [Zea mays]
Zm00001d021971	3E-06	2.02	up	TPA: triacylglycerol lipase [Zea mays]
Zm00001d011417	2E-13	2.02	up	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d050164	3E-07	2.02	up	uncharacterized LOC100382104 precursor [Zea mays]
Zm00001d018500	4E-05	2.02	up	hypothetical protein ZEAMMB73_162521 [Zea mays]
Zm00001d017418	2E-12	2.01	up	fatty aldehyde dehydrogenase 1 [Zea mays]
Zm00001d040265	0.0006	2.01	up	TPA: glycerol-3-phosphate acyltransferase 1 [Zea mays]
Zm00001d012514	6E-08	2	up	uncharacterized LOC100191484 precursor [Zea mays]
Zm00001d048785	4E-16	2	up	adenyllyl-sulfate kinase [Zea mays]

Supplementary Table 3. Continued.

Zm00001d024522	3E-07	2	up	bHLH transcription factor, partial [Zea mays]
Zm00001d010462	0.0042	2	up	PREDICTED: E3 ubiquitin-protein ligase RLIM [Zea mays]
Zm00001d043344	0.0001	1.99	up	PREDICTED: glutathione transferase8 isoform X1 [Zea mays]
Zm00001d012567	4E-09	1.99	up	glycerol-3-phosphate dehydrogenase isoform 1 [Zea mays]
Zm00001d011056	5E-14	1.99	up	hypothetical protein [Zea mays]
Zm00001d004366	1E-06	1.99	up	PREDICTED: UDP-glycosyltransferase 74E1-like isoform X2 [Zea mays]
Zm00001d006605	2E-05	1.99	up	SC3 protein [Zea mays]
Zm00001d030094	3E-10	1.98	up	PREDICTED: uncharacterized protein LOC100276359 isoform X1 [Zea mays]
Zm00001d033457	2E-16	1.98	up	tubulin beta-8 chain [Zea mays]
Zm00001d032854	3E-09	1.98	up	TPA: peroxidase R11 [Zea mays]
Zm00001d032578	1E-09	1.98	up	PREDICTED: uncharacterized protein LOC100277177 isoform X1 [Zea mays]
Zm00001d042643	2E-09	1.98	up	PREDICTED: uncharacterized protein SLP1-like [Zea mays]
Zm00001d037829	8E-14	1.98	up	PREDICTED: probable receptor-like protein kinase At5g18500 isoform X1 [Zea mays]
Zm00001d037681	3E-14	1.98	up	hypothetical protein ZEAMMB73_279889 [Zea mays]
Zm00001d015201	1E-05	1.98	up	PREDICTED: uncharacterized protein LOC100383982 isoform X1 [Zea mays]
Zm00001d014949	2E-10	1.98	up	PREDICTED: LOW QUALITY PROTEIN: RING-H2 finger protein ATL79-like [Zea mays]
Zm00001d008208	2E-05	1.97	up	PREDICTED: uncharacterized protein LOC103634646 isoform X3 [Zea mays]
Zm00001d026287	1E-08	1.97	up	UDP-N-acetylglucosamine pyrophosphorylase [Zea mays]
Zm00001d031555	0.003	1.97	up	membrane protein [Zea mays]
Zm00001d039412	0.003	1.97	up	hypothetical protein SORBIDRAFT_03g002760 [Sorghum bicolor]
Zm00001d002851	0.0003	1.97	up	transferase precursor [Zea mays]
Zm00001d044037	2E-09	1.97	up	uncharacterized protein LOC100276997 precursor [Zea mays]
Zm00001d005609	1E-05	1.96	up	PREDICTED: probable protein phosphatase 2C 68 [Zea mays]
Zm00001d012292	1E-05	1.96	up	unknown [Zea mays]
Zm00001d019545	3E-10	1.96	up	PREDICTED: uncharacterized protein LOC103632279 isoform X2 [Zea mays]
Zm00001d031813	3E-10	1.96	up	uncharacterized protein LOC100272901 [Zea mays]
Zm00001d013908	1E-11	1.96	up	PREDICTED: myosin-11-like [Zea mays]
Zm00001d017869	3E-15	1.96	up	aspartic proteinase nepenthesin-1 isoform 1 precursor [Zea mays]
Zm00001d009431	0.0002	1.95	up	farnesyl pyrophosphate synthase [Zea mays]
Zm00001d044976	0.0002	1.95	up	PREDICTED: mechanosensitive ion channel protein 10-like [Zea mays]
Zm00001d045220	1E-14	1.95	up	unknown [Zea mays]
Zm00001d009858	2E-16	1.95	up	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d004818	0.0022	1.95	up	PREDICTED: CBS domain-containing protein CBSCSPB3-like isoform X1 [Zea mays]
Zm00001d045082	0.0022	1.95	up	hypothetical protein SORBIDRAFT_10g005900 [Sorghum bicolor]
Zm00001d046644	2E-05	1.94	up	hypothetical protein ZEAMMB73_177768 [Zea mays]
Zm00001d045279	1E-09	1.94	up	hypothetical protein ZEAMMB73_410641 [Zea mays]
Zm00001d046491	5E-08	1.94	up	putative alcohol dehydrogenase superfamily protein [Zea mays]
Zm00001d042182	6E-10	1.94	up	PREDICTED: neurofilament medium polypeptide-like [Zea mays]
Zm00001d002119	3E-05	1.94	up	PREDICTED: ABC transporter B family member 19-like [Zea mays]
Zm00001d020961	0.0002	1.93	up	PREDICTED: cinnamoyl-CoA reductase 2-like [Zea mays]
Zm00001d047447	1E-15	1.93	up	PREDICTED: uncharacterized protein LOC100191939 isoform X1 [Zea mays]
Zm00001d030347	2E-05	1.93	up	putative alcohol dehydrogenase superfamily protein [Zea mays]
Zm00001d003287	2E-10	1.93	up	component of high affinity nitrate transporter [Zea mays]
Zm00001d021816	0.0007	1.92	up	uncharacterized protein LOC100278922 [Zea mays]
Zm00001d035162	1E-09	1.92	up	LHT1 [Zea mays]
Zm00001d006875	2E-07	1.92	up	hypothetical protein SORBIDRAFT_02g039340 [Sorghum bicolor]
Zm00001d031589	0.0031	1.92	up	hypothetical protein precursor [Zea mays]
Zm00001d033278	3E-15	1.92	up	PREDICTED: myosin-11-like [Zea mays]
Zm00001d027443	1E-06	1.91	up	PREDICTED: beta-carotene 3-hydroxylase, chloroplastic-like [Zea mays]
Zm00001d013109	1E-08	1.91	up	unknown [Zea mays]
Zm00001d034186	1E-10	1.91	up	PREDICTED: allene oxide synthase 1, chloroplastic-like [Zea mays]
Zm00001d021673	0.0023	1.9	up	uncharacterized protein LOC100277476 [Zea mays]
Zm00001d037828	2E-07	1.9	up	unknown [Zea mays]
Zm00001d008312	0.0002	1.9	up	PREDICTED: uncharacterized protein LOC103632822 [Zea mays]
Zm00001d006211	2E-12	1.9	up	unknown [Zea mays]
Zm00001d020555	0.0009	1.9	up	hypothetical protein [Zea mays]
Zm00001d029289	2E-08	1.9	up	PREDICTED: uncharacterized protein LOC100194085 isoform X1 [Zea mays]
Zm00001d000002	6E-09	1.89	up	dull endosperm1 [Zea mays]
Zm00001d033857	8E-06	1.89	up	TPA: hypothetical protein ZEAMMB73_774972 [Zea mays]
Zm00001d005546	2E-10	1.89	up	ADP-glucose pyrophosphorylase small subunit [Zea mays]
Zm00001d029699	1E-09	1.89	up	PREDICTED: probable glutathione S-transferase GSTU6 [Zea mays]
Zm00001d013493	2E-14	1.89	up	lipoxigenase [Zea mays]
Zm00001d042244	3E-07	1.89	up	PREDICTED: potassium ion uptake permease 1 isoform X1 [Zea mays]
Zm00001d038651	6E-15	1.89	up	hypothetical protein [Zea mays]
Zm00001d020583	4E-09	1.89	up	hypothetical protein [Zea mays]
Zm00001d051130	0.0001	1.88	up	unknown [Zea mays]
Zm00001d034841	0.0088	1.88	up	B-cell receptor-associated protein 31-like containing protein [Zea mays]
Zm00001d002075	3E-12	1.87	up	PREDICTED: putative AP2/EREBP transcription factor superfamily protein isoform X1 [Zea mays]
Zm00001d008495	5E-12	1.87	up	hypothetical protein [Zea mays]
Zm00001d007820	3E-05	1.87	up	TPA: plant-specific domain TIGR01615 family protein [Zea mays]
Zm00001d013319	1E-14	1.86	up	unknown [Zea mays]
Zm00001d052224	6E-09	1.86	up	wound/stress protein [Zea mays]
Zm00001d042281	3E-05	1.85	up	TPA: secondary cell wall glycosyltransferase family 47 [Zea mays]
Zm00001d005018	0.0017	1.85	up	putative MATE efflux family protein [Zea mays]
Zm00001d030163	3E-12	1.84	up	PREDICTED: ankyrin protein kinase-like isoform X1 [Zea mays]
Zm00001d033559	8E-06	1.84	up	hypothetical protein [Zea mays]
Zm00001d038791	1E-10	1.84	up	PREDICTED: receptor-like protein kinase HSL1 [Zea mays]
Zm00001d036482	2E-06	1.84	up	unknown [Zea mays]
Zm00001d046655	4E-07	1.83	up	PREDICTED: protein STRUBBELIG-RECEPTOR FAMILY 8-like isoform X2 [Zea mays]
Zm00001d020631	1E-07	1.83	up	PREDICTED: serine/threonine-protein kinase At5g01020-like [Setaria italica]
Zm00001d038595	4E-09	1.83	up	unknown [Zea mays]
Zm00001d038784	0.0002	1.82	up	PREDICTED: uncharacterized protein LOC100272504 isoform X5 [Zea mays]
Zm00001d038221	3E-07	1.82	up	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d015435	8E-09	1.82	up	uncharacterized LOC100383536 precursor [Zea mays]
Zm00001d031430	2E-13	1.82	up	PREDICTED: uncharacterized protein LOC100382159 isoform X1 [Zea mays]
Zm00001d020531	0.0063	1.82	up	cellulose synthase catalytic subunit 12 [Zea mays]
Zm00001d052545	0.0063	1.82	up	PREDICTED: uncharacterized protein LOC103654348 [Zea mays]
Zm00001d020937	0.0007	1.82	up	hypothetical protein [Zea mays]

Supplementary Table 3. Continued.

Zm00001d011202	1E-13	1.81	up	TPA: putative protein phosphatase 2C family protein [Zea mays]
Zm00001d026311	3E-12	1.81	up	hypothetical protein [Zea mays]
Zm00001d046330	1E-05	1.81	up	uncharacterized protein LOC100273169 precursor [Zea mays]
Zm00001d047424	3E-11	1.81	up	hypothetical protein SORBIDRAFT_01g034460 [Sorghum bicolor]
Zm00001d009226	4E-10	1.81	up	hypothetical protein ZEAMMB73_363035 [Zea mays]
Zm00001d009084	9E-13	1.81	up	unknown [Zea mays]
Zm00001d048627	9E-14	1.81	up	uncharacterized protein LOC100273868 [Zea mays]
Zm00001d011036	2E-11	1.81	up	legumin-like protein [Zea mays]
Zm00001d033623	2E-13	1.8	up	lipoygenase [Zea mays]
Zm00001d010380	2E-11	1.8	up	uncharacterized protein LOC100277562 [Zea mays]
Zm00001d024763	1E-10	1.8	up	PREDICTED: 3-N-debenzoyl-2-deoxytaxol N-benzoyltransferase isoform X1 [Zea mays]
Zm00001d014952	6E-10	1.8	up	PREDICTED: uncharacterized LOC100272878 isoform X1 [Zea mays]
Zm00001d028816	0.0004	1.8	up	PREDICTED: pathogenesis-related protein 1-like [Zea mays]
Zm00001d011792	3E-12	1.8	up	bifunctional polymyxin resistance <i>arnA</i> protein [Zea mays]
Zm00001d045269	8E-14	1.8	up	multidrug resistance-associated protein3 [Zea mays]
Zm00001d034948	0.0033	1.79	up	PREDICTED: transmembrane protein 56 isoform X2 [Zea mays]
Zm00001d004810	0.001	1.79	up	PREDICTED: uncharacterized protein LOC100381618 isoform X1 [Zea mays]
Zm00001d015658	0.0003	1.79	up	PREDICTED: uncharacterized protein LOC100193855 isoform X1 [Zea mays]
Zm00001d012433	2E-08	1.79	up	UDP-glucuronic acid decarboxylase 1-like [Zea mays]
Zm00001d009908	2E-13	1.79	up	unknown [Zea mays]
Zm00001d027749	7E-13	1.79	up	uncharacterized protein LOC100273198 [Zea mays]
Zm00001d022062	0.0088	1.79	up	TPA: hypothetical protein ZEAMMB73_602344 [Zea mays]
Zm00001d050259	0.0088	1.79	up	PREDICTED: ABC transporter A family member 7-like [Zea mays]
Zm00001d017912	0.0024	1.79	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d017036	0.0001	1.79	up	PREDICTED: probable glycerophosphoryl diester phosphodiesterase 2 [Zea mays]
Zm00001d042780	0.0001	1.79	up	uncharacterized protein LOC100193753 precursor [Zea mays]
Zm00001d040173	7E-13	1.78	up	unknown [Zea mays]
Zm00001d042276	3E-11	1.78	up	hypothetical protein precursor [Zea mays]
Zm00001d027901	5E-07	1.78	up	TPA: putative tify domain/CCT motif transcription factor family protein [Zea mays]
Zm00001d040089	0.0006	1.78	up	nodulin-like protein [Zea mays]
Zm00001d020614	3E-13	1.78	up	putative tify domain/CCT motif transcription factor family protein [Zea mays]
Zm00001d052122	7E-05	1.78	up	hypothetical protein [Zea mays]
Zm00001d008435	5E-06	1.77	up	PREDICTED: beta-glucosidase 1-like [Zea mays]
Zm00001d053761	0.0045	1.77	up	PREDICTED: protein STRUBBELIG-RECEPTOR FAMILY 3-like [Zea mays]
Zm00001d029011	2E-07	1.77	up	hypothetical protein [Zea mays]
Zm00001d029975	1E-08	1.76	up	SnRK2.3 [Zea mays]
Zm00001d024831	0.0003	1.76	up	putative pentatricopeptide repeat family protein [Zea mays]
Zm00001d039465	2E-08	1.76	up	PREDICTED: leucine-rich repeat extensin-like protein 5 [Zea mays]
Zm00001d042225	4E-12	1.76	up	uncharacterized protein LOC100191808 [Zea mays]
Zm00001d039495	0.0008	1.76	up	nucleic acid binding protein [Zea mays]
Zm00001d043789	0.0006	1.75	up	TPA: glutathione S-transferase GSTU6 [Zea mays]
Zm00001d032172	5E-07	1.75	up	hypothetical protein [Zea mays]
Zm00001d052297	0.0002	1.75	up	hypothetical protein ZEAMMB73_714449 [Zea mays]
Zm00001d019936	7E-13	1.75	up	heavy metal-associated domain containing protein [Zea mays]
Zm00001d020425	0.0001	1.75	up	uncharacterized protein LOC100275657 [Zea mays]
Zm00001d013582	4E-07	1.75	up	uncharacterized protein LOC100272920 [Zea mays]
Zm00001d025752	0.0004	1.74	up	PREDICTED: uncharacterized protein LOC100193902 isoform X1 [Zea mays]
Zm00001d037644	0.0004	1.74	up	hypothetical protein [Zea mays]
Zm00001d016873	3E-05	1.74	up	PREDICTED: uncharacterized protein LOC103627314 isoform X2 [Zea mays]
Zm00001d042899	3E-08	1.74	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d047399	5E-09	1.74	up	PREDICTED: glucan endo-1,3-beta-glucosidase 1-like isoform X1 [Zea mays]
Zm00001d044191	2E-06	1.74	up	PREDICTED: uncharacterized protein LOC103651481 isoform X1 [Zea mays]
Zm00001d044908	1E-07	1.74	up	unknown [Zea mays]
Zm00001d007753	3E-10	1.74	up	TPA: hypothetical protein ZEAMMB73_410724 [Zea mays]
Zm00001d051787	2E-09	1.73	up	g14A [Zea mays]
Zm00001d019139	7E-12	1.73	up	cycloartenol-C-24-methyltransferase 1 [Zea mays]
Zm00001d048949	0.0002	1.73	up	uncharacterized protein LOC100191593 precursor [Zea mays]
Zm00001d007609	1E-05	1.73	up	uncharacterized LOC100191865 [Zea mays]
Zm00001d048416	2E-07	1.73	up	unknown [Zea mays]
Zm00001d012015	3E-05	1.73	up	squamosa promoter-binding protein-like (SBP domain) transcription factor family protein, partial [Zea mays]
Zm00001d009112	0.0001	1.73	up	hypothetical protein ZEAMMB73_385198 [Zea mays]
Zm00001d049218	0.0005	1.73	up	unknown [Zea mays]
Zm00001d017473	2E-08	1.72	up	uncharacterized LOC100381572 [Zea mays]
Zm00001d026590	1E-07	1.72	up	PREDICTED: uncharacterized protein LOC100382863 isoform X1 [Zea mays]
Zm00001d042641	3E-09	1.72	up	PREDICTED: RNA-binding protein 24-B-like isoform X1 [Zea mays]
Zm00001d025360	7E-05	1.72	up	PREDICTED: probable F-box protein At1g60180 [Zea mays]
Zm00001d005252	0.0003	1.72	up	TPA: putative leucine-rich repeat receptor protein kinase family protein [Zea mays]
Zm00001d003949	1E-11	1.72	up	TPA: hypothetical protein ZEAMMB73_491057 [Zea mays]
Zm00001d041853	3E-10	1.72	up	transcription factor MYB8 [Zea mays]
Zm00001d040066	2E-08	1.71	up	hypothetical protein [Zea mays]
Zm00001d016653	0.0008	1.71	up	WD40 repeat protein [Zea mays]
Zm00001d026668	1E-11	1.71	up	uncharacterized LOC100192365 precursor [Zea mays]
Zm00001d001803	2E-08	1.71	up	PREDICTED: choline transporter-like protein 2 [Zea mays]
Zm00001d029594	3E-08	1.71	up	allene oxide cyclase1 [Zea mays]
Zm00001d0006494	4E-10	1.71	up	PREDICTED: putative MATE efflux family protein isoform 1 isoform X1 [Zea mays]
Zm00001d006651	3E-11	1.71	up	tubulin alpha-5 chain [Zea mays]
Zm00001d047293	1E-08	1.71	up	glucan endo-1,3-beta-glucosidase 4 precursor [Zea mays]
Zm00001d021192	9E-05	1.71	up	hypothetical protein [Zea mays]
Zm00001d044618	0.0045	1.71	up	PREDICTED: uncharacterized protein LOC103651653 [Zea mays]
Zm00001d008923	4E-08	1.7	up	PREDICTED: uncharacterized protein LOC100277379 [Zea mays]
Zm00001d040527	3E-09	1.7	up	TPA: putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d030551	4E-06	1.7	up	uncharacterized protein LOC100381429 precursor [Zea mays]
Zm00001d046261	7E-09	1.7	up	PREDICTED: thaumatin-like protein 1b [Zea mays]
Zm00001d021654	0.0003	1.7	up	hypothetical protein [Zea mays]
Zm00001d050455	1E-10	1.7	up	anthranilate N-benzoyltransferase protein 1 [Zea mays]
Zm00001d001896	1E-09	1.7	up	probable phyto kinase, chloroplastic precursor [Zea mays]
Zm00001d044390	0.0018	1.7	up	TPA: hypothetical protein ZEAMMB73_701358 [Zea mays]
Zm00001d008399	2E-08	1.7	up	PREDICTED: NAC transcription factor NAM-B2-like [Zea mays]

Supplementary Table 3. Continued.

Zm00001d044475	5E-06	1.69	up	LOC100284721 [Zea mays]
Zm00001d027431	0.0001	1.69	up	homeobox protein HD1 [Zea mays]
Zm00001d011185	9E-06	1.69	up	protein transport protein Sec61 beta subunit [Zea mays]
Zm00001d025208	0.0083	1.68	up	PREDICTED: uncharacterized protein At5g41620-like isoform X1 [Zea mays]
Zm00001d044826	1E-11	1.68	up	aquaporin NIP2-3 [Zea mays]
Zm00001d026147	3E-10	1.68	up	PREDICTED: anthocyanin regulatory R-S protein isoform X1 [Zea mays]
Zm00001d006640	3E-09	1.68	up	PREDICTED: LOW QUALITY PROTEIN: uncharacterized protein LOC100384812 [Zea mays]
Zm00001d034844	0.0044	1.68	up	hypothetical protein [Zea mays]
Zm00001d012484	2E-05	1.68	up	hypothetical protein ZEAMMB73_454603 [Zea mays]
Zm00001d034635	7E-12	1.68	up	hypothetical protein [Zea mays]
Zm00001d052209	2E-05	1.68	up	cytokinin-O-glucosyltransferase 2 [Zea mays]
Zm00001d017353	0.0024	1.67	up	hypothetical protein ZEAMMB73_485449 [Zea mays]
Zm00001d024907	0.0018	1.67	up	PREDICTED: glyoxylate/hydroxypyruvate reductase HPR3-like [Zea mays]
Zm00001d020638	5E-05	1.67	up	hypothetical protein [Zea mays]
Zm00001d017422	7E-10	1.67	up	putative homeobox DNA-binding and leucine zipper domain family protein [Zea mays]
Zm00001d014294	1E-11	1.67	up	PREDICTED: uncharacterized protein LOC100193636 isoform X1 [Zea mays]
Zm00001d031667	7E-09	1.67	up	putative ARF GTPase activating domain protein with ankyrin repeat-containing protein [Zea mays]
Zm00001d042739	3E-07	1.66	up	TPA: anthocyanidin 3-O-glucosyltransferase [Zea mays]
Zm00001d043178	6E-09	1.66	up	plastidic phosphate translocator-like protein1 [Zea mays]
Zm00001d045519	1E-11	1.66	up	uncharacterized protein LOC100191494 [Zea mays]
Zm00001d013245	9E-09	1.66	up	PREDICTED: LOC100282847 isoform X1 [Zea mays]
Zm00001d016166	1E-11	1.66	up	phosphoenolpyruvate carboxylase [Zea mays]
Zm00001d032188	2E-05	1.65	up	PREDICTED: uncharacterized protein LOC100216582 isoform X1 [Zea mays]
Zm00001d048461	4E-10	1.65	up	PREDICTED: blue fluorescent1 isoform X1 [Zea mays]
Zm00001d016950	0.0006	1.65	up	hypothetical protein SORBIDRAFT_04g023990 [Sorghum bicolor]
Zm00001d009425	5E-08	1.65	up	PREDICTED: uncharacterized protein LOC100277096 isoform X1 [Zea mays]
Zm00001d032571	0.0001	1.65	up	PREDICTED: LOC100282775 isoform X1 [Zea mays]
Zm00001d010698	2E-10	1.65	up	flavoprotein wrbA [Zea mays]
Zm00001d047981	3E-07	1.65	up	hypothetical protein [Zea mays]
Zm00001d029546	6E-05	1.64	up	metallothionein-like protein 1 [Zea mays]
Zm00001d043512	2E-05	1.64	up	TPA: putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d042490	6E-11	1.64	up	glycosyltransferase [Zea mays]
Zm00001d051908	9E-11	1.64	up	LOC100282160 [Zea mays]
Zm00001d027887	9E-09	1.63	up	TPA: catalytic/ hydrolase [Zea mays]
Zm00001d032636	1E-06	1.63	up	PREDICTED: GEM-like protein 7 [Zea mays]
Zm00001d025786	2E-06	1.63	up	PREDICTED: uncharacterized protein LOC103641812 [Zea mays]
Zm00001d040606	0.0002	1.63	up	unknown [Zea mays]
Zm00001d042210	0.0002	1.63	up	TPA: esterase PIR7A [Zea mays]
Zm00001d005300	0.0005	1.63	up	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d031562	0.0008	1.63	up	ras-related protein ARA-4 [Zea mays]
Zm00001d039454	0.0011	1.63	up	LOC100280465 [Zea mays]
Zm00001d039937	0.0018	1.63	up	TPA: hypothetical protein ZEAMMB73_306791 [Zea mays]
Zm00001d043854	4E-09	1.63	up	uncharacterized protein LOC100191661 precursor [Zea mays]
Zm00001d009416	0.0058	1.63	up	PREDICTED: LOC100282355 isoform X2 [Zea mays]
Zm00001d006947	0.0079	1.63	up	PREDICTED: cytochrome P450 734A1-like [Zea mays]
Zm00001d025899	0.0079	1.63	up	PREDICTED: 5'-3' exoribonuclease 4-like isoform X3 [Zea mays]
Zm00001d045097	2E-08	1.63	up	PREDICTED: ABC transporter C family member 13 isoform X1 [Zea mays]
Zm00001d045972	4E-07	1.63	up	PREDICTED: uncharacterized protein LOC100273057 isoform X1 [Zea mays]
Zm00001d006688	4E-10	1.63	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d008273	4E-11	1.62	up	hypothetical protein ZEAMMB73_786943 [Zea mays]
Zm00001d041842	4E-10	1.62	up	PREDICTED: amino acid permease 3-like [Zea mays]
Zm00001d028572	0.0001	1.62	up	hypothetical protein [Zea mays]
Zm00001d014906	3E-10	1.62	up	PREDICTED: phosphoinositide phospholipase C 2-like [Zea mays]
Zm00001d039364	2E-07	1.62	up	PREDICTED: uncharacterized protein LOC100191819 isoform X2 [Zea mays]
Zm00001d031971	0.0003	1.62	up	TPA: vignain [Zea mays]
Zm00001d047694	0.0011	1.61	up	glycosyltransferase 5 [Zea mays]
Zm00001d048558	2E-07	1.61	up	PREDICTED: LOW QUALITY PROTEIN: probable glutathione S-transferase GSTU6 [Zea mays]
Zm00001d036439	9E-09	1.61	up	arogenate dehydrogenase [Zea mays]
Zm00001d000470	4E-05	1.61	up	LOC100286092 precursor [Zea mays]
Zm00001d011644	1E-10	1.61	up	PREDICTED: ABC transporter B family member 11-like isoform X1 [Zea mays]
Zm00001d028167	7E-07	1.61	up	unknown [Zea mays]
Zm00001d006040	2E-06	1.61	up	hypothetical protein [Zea mays]
Zm00001d025997	5E-05	1.6	up	LOC100285441 [Zea mays]
Zm00001d029884	0.0014	1.6	up	PREDICTED: ethylene-responsive transcription factor ERF038-like [Zea mays]
Zm00001d013113	7E-09	1.59	up	expp1 protein precursor [Zea mays]
Zm00001d018699	0.0031	1.59	up	TPA: hypothetical protein ZEAMMB73_177681 [Zea mays]
Zm00001d039406	0.0031	1.59	up	PREDICTED: receptor-like protein kinase isoform X1 [Zea mays]
Zm00001d051316	0.0031	1.59	up	PREDICTED: trihelix transcription factor GTL1 [Zea mays]
Zm00001d028565	4E-05	1.59	up	uncharacterized protein LOC100279315 [Zea mays]
Zm00001d009085	6E-08	1.59	up	hypothetical protein ZEAMMB73_047779 [Zea mays]
Zm00001d038489	0.0041	1.59	up	unknown [Zea mays]
Zm00001d018133	3E-06	1.59	up	hypothetical protein ZEAMMB73_481617 [Zea mays]
Zm00001d039472	6E-06	1.59	up	hypothetical protein OsJ_00723 [Oryza sativa Japonica Group]
Zm00001d002491	0.0001	1.58	up	TPA: putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d032850	3E-06	1.58	up	phosphate transporter protein2 [Zea mays]
Zm00001d014625	3E-05	1.58	up	cell Division Protein AAA ATPase family [Zea mays]
Zm00001d014463	3E-09	1.57	up	uncharacterized protein LOC100273206 precursor [Zea mays]
Zm00001d0008795	5E-06	1.57	up	PREDICTED: uncharacterized protein LOC100274322 isoform X1 [Zea mays]
Zm00001d009814	2E-07	1.57	up	PREDICTED: uncharacterized protein LOC100279719 isoform X1 [Zea mays]
Zm00001d021573	3E-06	1.57	up	TPA: squamosa promoter-binding protein-like (SBP domain) transcription factor family protein [Zea mays]
Zm00001d027375	0.0013	1.57	up	TPA: lysM domain containing protein [Zea mays]
Zm00001d042366	1E-06	1.57	up	PREDICTED: uncharacterized protein LOC103650853 [Zea mays]
Zm00001d018445	4E-09	1.56	up	PREDICTED: LOW QUALITY PROTEIN: phosphate transporter PHO1-2-like [Zea mays]
Zm00001d043238	8E-07	1.56	up	TPA: peroxidase 56 [Zea mays]
Zm00001d026002	0.0099	1.56	up	RING-H2 finger protein ATL2L [Zea mays]
Zm00001d049303	8E-10	1.56	up	O-methyltransferase ZRP4 [Zea mays]
Zm00001d029662	3E-08	1.56	up	TPA: catalytic/ hydrolase [Zea mays]
Zm00001d032715	4E-05	1.56	up	TPA: putative casein kinase family protein [Zea mays]

Supplementary Table 3. Continued.

Zm00001d043361	4E-06	1.55	up	glucan endo-1,3-beta-glucosidase 1 precursor [Zea mays]
Zm00001d015459	4E-10	1.55	up	unknown [Zea mays]
Zm00001d038063	0.0052	1.55	up	PREDICTED: uncharacterized protein LOC100216740 isoform X1 [Zea mays]
Zm00001d003659	1E-06	1.55	up	unknown [Zea mays]
Zm00001d048957	0.0095	1.54	up	PREDICTED: uncharacterized protein LOC100279161 isoform X1 [Zea mays]
Zm00001d018883	7E-09	1.54	up	PREDICTED: probable inactive leucine-rich repeat receptor-like protein kinase At3g03770 [Zea mays]
Zm00001d020773	0.0002	1.54	up	PREDICTED: FIP1 isoform X1 [Zea mays]
Zm00001d051427	1E-08	1.54	up	PREDICTED: high mobility group protein3 isoform X1 [Zea mays]
Zm00001d003272	0.0038	1.54	up	TPA: nucleotide binding protein [Zea mays]
Zm00001d042634	2E-07	1.53	up	PREDICTED: extradiol ring-cleavage dioxygenase-like [Zea mays]
Zm00001d030821	3E-05	1.53	up	PREDICTED: achilleol B synthase-like isoform X5 [Zea mays]
Zm00001d017275	7E-10	1.53	up	phenylalanine ammonia-lyase [Zea mays]
Zm00001d034015	1E-09	1.53	up	PREDICTED: exoglucanase1 isoform X2 [Zea mays]
Zm00001d011972	5E-08	1.53	up	PREDICTED: disease resistance protein RPP13-like [Zea mays]
Zm00001d053696	0.0002	1.53	up	uncharacterized protein LOC100192112 [Zea mays]
Zm00001d017978	0.0001	1.53	up	endoglucanase 1 [Zea mays]
Zm00001d046299	1E-06	1.53	up	HSF28 HSF type transcription factor, partial [Zea mays subsp. mays]
Zm00001d048687	0.0028	1.53	up	PREDICTED: heat shock cognate 70 kDa protein 2-like isoform X1 [Zea mays]
Zm00001d021829	2E-06	1.53	up	putative symbiosis receptor-like kinase precursor [Zea mays]
Zm00001d004836	0.0092	1.53	up	TPA: hypothetical protein ZEAMMB73_875056 [Zea mays]
Zm00001d040979	3E-06	1.52	up	hypothetical protein [Zea mays]
Zm00001d028214	2E-08	1.52	up	PREDICTED: uncharacterized protein LOC100273068 isoform X2 [Zea mays]
Zm00001d012437	8E-06	1.52	up	PREDICTED: protein GPR107-like [Zea mays]
Zm00001d020708	4E-05	1.52	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d010115	1E-06	1.52	up	sialin [Zea mays]
Zm00001d050694	5E-06	1.52	up	PREDICTED: histidine decarboxylase-like [Zea mays]
Zm00001d028007	4E-08	1.52	up	PREDICTED: calmodulin-binding transcription activator 1-like isoform X2 [Zea mays]
Zm00001d027332	2E-09	1.52	up	TPA: nonspecific lipid-transfer protein [Zea mays]
Zm00001d047723	8E-05	1.52	up	unknown [Zea mays]
Zm00001d021900	9E-06	1.52	up	TPA: hypothetical protein ZEAMMB73_737791 [Zea mays]
Zm00001d022374	0.0003	1.51	up	unknown [Zea mays]
Zm00001d037213	2E-09	1.51	up	U-box domain-containing protein 12 [Aegilops tauschii]
Zm00001d044763	3E-09	1.51	up	PREDICTED: anthranilate O-methyltransferase 3 [Zea mays]
Zm00001d008925	3E-09	1.51	up	LOC100284971 precursor [Zea mays]
Zm00001d046225	2E-09	1.51	up	PREDICTED: multidrug resistance protein associated1 isoform X1 [Zea mays]
Zm00001d038312	0.0088	1.51	up	hypothetical protein ZEAMMB73_494769 [Zea mays]
Zm00001d020492	0.0002	1.51	up	WRKY DNA-binding protein [Zea mays]
Zm00001d020093	0.0006	1.5	up	LOC100283489 [Zea mays]
Zm00001d049789	8E-08	-1.5	down	PREDICTED: auxin-induced in root cultures protein 12-like [Zea mays]
Zm00001d007857	4E-09	-1.5	down	TPA: hypothetical protein ZEAMMB73_321092 [Zea mays]
Zm00001d021412	6E-08	-1.5	down	hypothetical protein SORBIDRAFT_02g032340 [Sorghum bicolor]
Zm00001d032363	3E-06	-1.51	down	hypothetical protein [Zea mays]
Zm00001d047555	2E-08	-1.51	down	putative thioredoxin superfamily protein [Zea mays]
Zm00001d021596	5E-09	-1.51	down	adenosine 5'-phosphosulfate reductase-like1 [Zea mays]
Zm00001d032100	1E-05	-1.51	down	PREDICTED: uncharacterized protein LOC100384243 isoform X1 [Zea mays]
Zm00001d023536	2E-09	-1.52	down	PREDICTED: oil yellow1 isoform X1 [Zea mays]
Zm00001d039618	2E-07	-1.52	down	PREDICTED: triacylglycerol lipase isoform X1 [Zea mays]
Zm00001d015085	2E-09	-1.52	down	hypothetical protein [Zea mays]
Zm00001d003140	1E-09	-1.52	down	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d026652	2E-08	-1.53	down	DNA binding protein [Zea mays]
Zm00001d018412	1E-09	-1.53	down	50S ribosomal protein L9 [Zea mays]
Zm00001d015628	1E-09	-1.53	down	LOC100284221 precursor [Zea mays]
Zm00001d042663	5E-07	-1.54	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d037141	5E-05	-1.54	down	PREDICTED: uncharacterized protein LOC103629887 [Zea mays]
Zm00001d003025	0.0005	-1.54	down	hypothetical protein [Zea mays]
Zm00001d032422	1E-09	-1.54	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d034160	0.007	-1.54	down	DNA binding protein [Zea mays]
Zm00001d020775	2E-09	-1.54	down	PREDICTED: uncharacterized protein LOC100273524 isoform X1 [Zea mays]
Zm00001d016625	2E-07	-1.54	down	hypothetical protein ZEAMMB73_342257 [Zea mays]
Zm00001d050748	1E-09	-1.54	down	uncharacterized protein LOC100275488 [Zea mays]
Zm00001d020537	8E-10	-1.54	down	opaque endosperm5 [Zea mays]
Zm00001d053015	6E-10	-1.55	down	uncharacterized protein LOC100272845 [Zea mays]
Zm00001d027488	4E-09	-1.55	down	PREDICTED: glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic [Zea mays]
Zm00001d036985	1E-07	-1.55	down	PREDICTED: 40S ribosomal protein S24-1-like [Zea mays]
Zm00001d019060	9E-10	-1.55	down	PREDICTED: probable 1-deoxy-D-xylulose-5-phosphate synthase 2, chloroplastic [Zea mays]
Zm00001d016943	4E-10	-1.56	down	oxygen evolving enhancer protein 3 [Zea mays]
Zm00001d013915	1E-08	-1.56	down	PREDICTED: glutamyl-tRNA reductase, chloroplastic-like [Zea mays]
Zm00001d004348	2E-05	-1.56	down	PREDICTED: uncharacterized protein LOC103646784 [Zea mays]
Zm00001d018348	6E-08	-1.56	down	PAP fibrillin family protein [Zea mays]
Zm00001d031659	8E-10	-1.56	down	pyruvate dehydrogenase2 [Zea mays]
Zm00001d028389	1E-07	-1.57	down	unknown [Zea mays]
Zm00001d009603	1E-09	-1.57	down	solute carrier family 2, facilitated glucose transporter member 8 [Zea mays]
Zm00001d006217	0.0008	-1.57	down	serine/threonine-protein kinase NAK [Zea mays]
Zm00001d014564	8E-10	-1.57	down	oxygen-evolving enhancer protein 1 [Zea mays]
Zm00001d000060	3E-10	-1.57	down	NAD(P)H-dependent oxidoreductase [Zea mays]
Zm00001d043225	0.0027	-1.57	down	uncharacterized protein LOC100273462 [Zea mays]
Zm00001d036046	4E-10	-1.58	down	hypothetical protein ZEAMMB73_386876 [Zea mays]
Zm00001d002860	0.0006	-1.58	down	beta-expansin 3 precursor [Zea mays]
Zm00001d036340	2E-10	-1.58	down	PREDICTED: photosystem II stability/assembly factor HCF136, chloroplastic [Zea mays]
Zm00001d033150	2E-10	-1.58	down	TPA: hypothetical protein ZEAMMB73_766061 [Zea mays]
Zm00001d020970	0.0091	-1.58	down	PREDICTED: dihydroflavonoid reductase-like1 isoform X1 [Zea mays]
Zm00001d041672	0.0017	-1.59	down	histone H3, expressed [Triticum aestivum]
Zm00001d004015	2E-07	-1.59	down	PREDICTED: uncharacterized protein At3g27210-like [Zea mays]
Zm00001d006587	2E-10	-1.59	down	uncharacterized protein LOC100216729 [Zea mays]
Zm00001d008545	4E-10	-1.59	down	unknown [Zea mays]
Zm00001d021310	1E-10	-1.6	down	unknown [Zea mays]
Zm00001d029150	6E-10	-1.61	down	divinyl reductase [Zea mays]
Zm00001d038579	1E-10	-1.62	down	phosphoglycerate kinase [Zea mays]

Supplementary Table 3. Continued.

Zm00001d049784	0.0007	-1.62	down	hypothetical protein ZEAMMB73_767010 [Zea mays]
Zm00001d034851	1E-07	-1.62	down	uncharacterized protein LOC103644325 [Zea mays]
Zm00001d028094	6E-11	-1.62	down	PREDICTED: probable strigolactone esterase D14 [Zea mays]
Zm00001d005441	5E-09	-1.63	down	PREDICTED: uncharacterized protein LOC103647306 [Zea mays]
Zm00001d036650	6E-05	-1.63	down	unknown [Zea mays]
Zm00001d029475	2E-06	-1.63	down	hypothetical protein [Zea mays]
Zm00001d019057	6E-11	-1.63	down	unknown [Zea mays]
Zm00001d003459	4E-11	-1.63	down	unknown [Zea mays]
Zm00001d002490	1E-10	-1.64	down	plastid-specific 30S ribosomal protein 2 [Zea mays]
Zm00001d006013	5E-06	-1.64	down	TPA: hypothetical protein ZEAMMB73_200188 [Zea mays]
Zm00001d043970	5E-11	-1.64	down	hypothetical protein [Zea mays]
Zm00001d026405	3E-11	-1.64	down	glutamyl-tRNA reductase-like protein isoform 1 [Zea mays]
Zm00001d013937	3E-11	-1.65	down	protochlorophyllide reductase B [Zea mays]
Zm00001d052060	4E-10	-1.65	down	putative trehalose phosphatase/synthase family protein [Zea mays]
Zm00001d030121	3E-08	-1.65	down	PREDICTED: cellulose synthase-like protein D1 [Zea mays]
Zm00001d006002	2E-09	-1.65	down	PREDICTED: uncharacterized protein LOC103647530 [Zea mays]
Zm00001d028754	0.0052	-1.66	down	PREDICTED: mitogen-activated protein kinase kinase ANP1-like [Zea mays]
Zm00001d015325	1E-04	-1.66	down	uncharacterized LOC100383954 [Zea mays]
Zm00001d016896	2E-09	-1.66	down	cytokinin-O-glucosyltransferase 2 [Zea mays]
Zm00001d014600	1E-11	-1.66	down	PREDICTED: uncharacterized protein LOC100273378 isoform X1 [Zea mays]
Zm00001d013193	1E-06	-1.67	down	uncharacterized protein LOC100275823 [Zea mays]
Zm00001d043514	3E-07	-1.67	down	hypothetical protein [Zea mays]
Zm00001d020623	1E-10	-1.67	down	PREDICTED: copper transporter 5.1 [Zea mays]
Zm00001d013364	2E-08	-1.67	down	PREDICTED: calcium permeable stress-gated cation channel 1-like [Zea mays]
Zm00001d045354	3E-07	-1.67	down	PREDICTED: CDT1-like protein a, chloroplastic [Zea mays]
Zm00001d002974	1E-06	-1.67	down	PREDICTED: probable metal-nicotianamine transporter YSL13 [Zea mays]
Zm00001d032024	3E-11	-1.68	down	PREDICTED: myb-related protein Zm38 [Zea mays]
Zm00001d033543	1E-07	-1.68	down	PREDICTED: uncharacterized protein LOC100192782 [Zea mays]
Zm00001d029154	2E-10	-1.68	down	TPA: beta-amylase [Zea mays]
Zm00001d034692	1E-08	-1.68	down	hypothetical protein SORBIDRAFT_01g002860 [Sorghum bicolor]
Zm00001d043849	1E-06	-1.68	down	TPA: hypothetical protein ZEAMMB73_202619 [Zea mays]
Zm00001d038542	1E-11	-1.69	down	PREDICTED: uncharacterized protein LOC103630530 [Zea mays]
Zm00001d028043	0.0007	-1.69	down	TPA: MFP1 attachment factor 1 [Zea mays]
Zm00001d042863	5E-11	-1.69	down	PREDICTED: uncharacterized protein LOC100273482 isoform X1 [Zea mays]
Zm00001d038606	1E-10	-1.69	down	uncharacterized protein LOC100275797 [Zea mays]
Zm00001d023225	0.0023	-1.69	down	PREDICTED: uncharacterized protein LOC100278892 isoform X1 [Zea mays]
Zm00001d033304	2E-09	-1.7	down	TPA: nucleotide binding protein [Zea mays]
Zm00001d011174	1E-11	-1.7	down	uncharacterized protein LOC100856894 precursor [Zea mays]
Zm00001d013509	1E-10	-1.7	down	hypothetical protein ZEAMMB73_761581 [Zea mays]
Zm00001d035246	5E-07	-1.7	down	LOC100285022 [Zea mays]
Zm00001d008440	6E-12	-1.71	down	PREDICTED: peptidyl-prolyl cis-trans isomerase B [Zea mays]
Zm00001d029438	0.0023	-1.72	down	PREDICTED: E3 ubiquitin-protein ligase EL5-like [Zea mays]
Zm00001d042926	0.0065	-1.73	down	osmotin-like protein precursor [Zea mays]
Zm00001d035659	2E-08	-1.73	down	LOC100282059 [Zea mays]
Zm00001d043780	1E-11	-1.73	down	threonine synthase [Zea mays]
Zm00001d034068	0.0014	-1.73	down	unknown [Zea mays]
Zm00001d012626	5E-07	-1.74	down	PREDICTED: uncharacterized protein LOC103636596 [Zea mays]
Zm00001d002993	3E-12	-1.75	down	oxygen-evolving enhancer protein 3 [Zea mays]
Zm00001d032576	7E-12	-1.76	down	protochlorophyllide reductase B [Zea mays]
Zm00001d029126	5E-13	-1.76	down	PREDICTED: neurofilament heavy polypeptide-like isoform X1 [Zea mays]
Zm00001d053220	1E-06	-1.76	down	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d031769	1E-09	-1.76	down	PREDICTED: nitrate reductase [NADH]-like [Zea mays]
Zm00001d017621	7E-12	-1.76	down	hypothetical protein ZEAMMB73_712860 [Zea mays]
Zm00001d032694	0.0006	-1.76	down	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d046170	5E-12	-1.77	down	uncharacterized protein LOC100191762 [Zea mays]
Zm00001d022203	6E-11	-1.77	down	PREDICTED: 15-cis-phytoene desaturase, chloroplastic/chromoplastic [Zea mays]
Zm00001d007908	3E-12	-1.77	down	TPA: hypothetical protein ZEAMMB73_208866 [Zea mays]
Zm00001d011628	4E-09	-1.78	down	PREDICTED: probable receptor-like protein kinase At1g67000 [Zea mays]
Zm00001d031211	0.0001	-1.78	down	TPA: putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d047944	0.0001	-1.78	down	PREDICTED: basic proline-rich protein-like [Zea mays]
Zm00001d008458	4E-07	-1.78	down	putative protein kinase superfamily protein [Zea mays]
Zm00001d044465	4E-12	-1.78	down	hypothetical protein [Zea mays]
Zm00001d052244	5E-05	-1.78	down	hypothetical protein [Zea mays]
Zm00001d018210	1E-12	-1.78	down	PREDICTED: uncharacterized protein LOC103627800 [Zea mays]
Zm00001d040463	7E-13	-1.79	down	leucine zipper protein [Saccharum hybrid cultivar R570]
Zm00001d048313	5E-09	-1.79	down	PREDICTED: uncharacterized protein LOC103639537 [Zea mays]
Zm00001d006119	3E-07	-1.8	down	unknown [Zea mays]
Zm00001d020876	3E-08	-1.8	down	PREDICTED: GPI-anchored protein LORELEI-like [Zea mays]
Zm00001d023336	5E-10	-1.8	down	PREDICTED: probable WRKY transcription factor 62 [Zea mays]
Zm00001d047210	2E-13	-1.8	down	putative metacaspase family protein [Zea mays]
Zm00001d034196	6E-13	-1.8	down	unknown [Zea mays]
Zm00001d039328	2E-13	-1.81	down	PREDICTED: LOC100281482 isoform X1 [Zea mays]
Zm00001d022395	5E-14	-1.82	down	PREDICTED: haloacid dehalogenase-like hydrolase domain-containing protein 3 [Zea mays]
Zm00001d033132	0.0009	-1.82	down	chlorophyll a-b binding protein [Zea mays]
Zm00001d000282	1E-13	-1.82	down	PREDICTED: elongation factor G-2, chloroplastic-like [Zea mays]
Zm00001d038609	6E-06	-1.82	down	PREDICTED: scarecrow-like protein 32 [Zea mays]
Zm00001d005875	0.0079	-1.83	down	TPA: putative homeobox DNA-binding and leucine zipper domain family protein [Zea mays]
Zm00001d023427	3E-14	-1.83	down	hypothetical protein [Zea mays]
Zm00001d049159	1E-05	-1.83	down	PREDICTED: probable receptor protein kinase TMK1 [Zea mays]
Zm00001d018069	4E-14	-1.84	down	H(+)-transporting ATP synthase [Zea mays]
Zm00001d005780	1E-08	-1.84	down	PREDICTED: putative glutamine amidotransferase YLR126C [Zea mays]
Zm00001d048737	4E-13	-1.84	down	hypothetical protein ZEAMMB73_174616 [Zea mays]
Zm00001d008772	4E-08	-1.84	down	uncharacterized protein LOC100279792 [Zea mays]
Zm00001d010397	0.0001	-1.84	down	uncharacterized protein LOC100191557 [Zea mays]
Zm00001d052186	3E-08	-1.84	down	pre-mRNA-splicing factor prp45 [Zea mays]
Zm00001d027320	9E-14	-1.85	down	PREDICTED: chloroplast envelope membrane protein-like [Zea mays]
Zm00001d003311	2E-13	-1.85	down	uncharacterized protein LOC100272363 [Zea mays]
Zm00001d003088	5E-10	-1.86	down	TPA: hypothetical protein ZEAMMB73_248209 [Zea mays]

Supplementary Table 3. Continued.

Zm00001d009687	2E-06	-1.86	down	PREDICTED: uncharacterized protein LOC100194210 [Zea mays]
Zm00001d032532	1E-13	-1.87	down	uncharacterized protein LOC100193466 [Zea mays]
Zm00001d046934	3E-05	-1.88	down	uncharacterized protein LOC100191538 [Zea mays]
Zm00001d050346	3E-14	-1.89	down	annexin A4 [Zea mays]
Zm00001d037080	4E-11	-1.89	down	PREDICTED: putative leucine-rich repeat receptor-like serine/threonine-protein kinase At2g24130 [Zea mays]
Zm00001d026559	7E-13	-1.89	down	unknown [Zea mays]
Zm00001d033747	1E-09	-1.9	down	unknown [Zea mays]
Zm00001d047532	1E-14	-1.9	down	photosystem II 11 kD protein [Zea mays]
Zm00001d029049	3E-15	-1.9	down	unknown [Zea mays]
Zm00001d039197	3E-13	-1.91	down	uncharacterized ACR, COG1678 family protein [Zea mays]
Zm00001d029720	2E-07	-1.92	down	ABC-type Co2+ transport system, permease component [Zea mays]
Zm00001d041780	1E-10	-1.92	down	uncharacterized protein LOC100277167 [Zea mays]
Zm00001d025012	6E-07	-1.93	down	PREDICTED: pleiotropic drug resistance protein 5-like isoform X1 [Zea mays]
Zm00001d018342	5E-14	-1.93	down	trehalose-6-phosphate synthase [Zea mays]
Zm00001d052719	2E-09	-1.93	down	unknown [Zea mays]
Zm00001d002514	1E-13	-1.93	down	uncharacterized protein LOC100501404 [Zea mays]
Zm00001d010754	5E-07	-1.94	down	PREDICTED: uncharacterized protein LOC103635848 [Zea mays]
Zm00001d032495	2E-13	-1.94	down	TPA: hypothetical protein ZEAMMB73_629316 [Zea mays]
Zm00001d028362	0.0007	-1.94	down	hypothetical protein [Zea mays]
Zm00001d037081	0.0002	-1.94	down	PREDICTED: uncharacterized protein LOC101772948 isoform X3 [Setaria italica]
Zm00001d038003	4E-15	-1.94	down	hypothetical protein [Zea mays]
Zm00001d002426	4E-16	-1.95	down	hypothetical protein precursor [Zea mays]
Zm00001d017276	1E-13	-1.95	down	PREDICTED: phenylalanine ammonia-lyase [Zea mays]
Zm00001d010924	1E-07	-1.95	down	hypothetical protein [Zea mays]
Zm00001d034066	1E-13	-1.95	down	hypothetical protein [Zea mays]
Zm00001d017941	1E-08	-1.96	down	uncharacterized protein LOC100279934 [Zea mays]
Zm00001d053652	3E-08	-1.96	down	PREDICTED: FK506 binding protein isoform X1 [Zea mays]
Zm00001d050889	1E-13	-1.96	down	PREDICTED: psbQ-like protein 1, chloroplastic [Zea mays]
Zm00001d048814	1E-05	-1.99	down	PREDICTED: dirigent protein 1-like [Zea mays]
Zm00001d030557	1E-16	-2	down	PREDICTED: uncharacterized protein LOC100193705 isoform X1 [Zea mays]
Zm00001d013596	8E-09	-2	down	PREDICTED: uncharacterized protein LOC103626014 [Zea mays]
Zm00001d028793	6E-07	-2.01	down	PREDICTED: abscisic acid receptor PYL4-like [Zea mays]
Zm00001d035195	0.0002	-2.01	down	hypothetical protein ZEAMMB73_692100 [Zea mays]
Zm00001d006137	8E-09	-2.01	down	PREDICTED: UDP-glycosyltransferase 74F2-like [Zea mays]
Zm00001d040842	3E-16	-2.02	down	12-oxo-phytodienoic acid reductase6 [Zea mays]
Zm00001d021164	0.0014	-2.02	down	PREDICTED: transcription factor bHLH14-like [Zea mays]
Zm00001d044110	2E-06	-2.03	down	TPA: polygalacturonase [Zea mays]
Zm00001d043943	0.0025	-2.03	down	hypothetical protein precursor [Zea mays]
Zm00001d022060	3E-16	-2.04	down	uncharacterized protein LOC100191371 [Zea mays]
Zm00001d043723	2E-14	-2.04	down	hypothetical protein [Zea mays]
Zm00001d034092	2E-05	-2.05	down	PREDICTED: uncharacterized protein LOC103644030 isoform X2 [Zea mays]
Zm00001d013919	2E-09	-2.05	down	PREDICTED: uncharacterized protein LOC103626131 [Zea mays]
Zm00001d054093	5E-15	-2.07	down	senescence-associated protein DIN1 [Zea mays]
Zm00001d034067	5E-11	-2.08	down	TPA: hypothetical protein ZEAMMB73_540156 [Zea mays]
Zm00001d020147	7E-06	-2.08	down	uncharacterized protein LOC100191970 [Zea mays]
Zm00001d024298	0.0022	-2.1	down	PREDICTED: uncharacterized protein LOC100276756 isoform X1 [Zea mays]
Zm00001d047591	0.0022	-2.1	down	PREDICTED: heat stress transcription factor B-4b-like [Zea mays]
Zm00001d052480	0.0042	-2.11	down	indole-3-acetate beta-glucosyltransferase [Zea mays]
Zm00001d049016	1E-16	-2.12	down	hypothetical protein [Zea mays]
Zm00001d020148	2E-05	-2.15	down	PREDICTED: proline-rich receptor-like protein kinase PERK7 [Zea mays]
Zm00001d026404	9E-06	-2.15	down	PREDICTED: uncharacterized protein LOC103642103 [Zea mays]
Zm00001d044117	3E-16	-2.19	down	LOC100284746 [Zea mays]
Zm00001d048826	2E-09	-2.19	down	PREDICTED: uncharacterized protein LOC103642158 isoform X2 [Zea mays]
Zm00001d017766	4E-13	-2.21	down	PREDICTED: zeaxanthin 7,8(7'8')-cleavage dioxygenase, chromoplast [Zea mays]
Zm00001d028229	3E-09	-2.24	down	uncharacterized protein LOC100383408 [Zea mays]
Zm00001d007686	0.0009	-2.24	down	uncharacterized protein LOC103648190 [Zea mays]
Zm00001d028154	3E-07	-2.25	down	serine acetyltransferase2 [Zea mays]
Zm00001d042717	0.0004	-2.25	down	PREDICTED: ethylene-responsive transcription factor ERF115-like [Zea mays]
Zm00001d013324	1E-15	-2.27	down	ATP synthase F1, delta subunit family protein [Zea mays]
Zm00001d019409	0.0003	-2.27	down	TPA: hypothetical protein ZEAMMB73_693116 [Zea mays]
Zm00001d044194	6E-15	-2.29	down	PREDICTED: MYB-like transcription factor ETC3 [Zea mays]
Zm00001d011189	2E-07	-2.29	down	hypothetical protein ZEAMMB73_749542 [Zea mays]
Zm00001d033846	4E-09	-2.3	down	uncharacterized protein LOC100274767 [Zea mays]
Zm00001d020811	0.0031	-2.31	down	PREDICTED: ABC transporter G family member 11-like [Zea mays]
Zm00001d010175	0.0089	-2.32	down	PREDICTED: uncharacterized protein LOC100275504 isoform X1 [Zea mays]
Zm00001d007010	3E-07	-2.34	down	PREDICTED: 50S ribosomal protein L28, chloroplastic [Zea mays]
Zm00001d003966	0.0021	-2.35	down	TPA: hypothetical protein ZEAMMB73_407931 [Zea mays]
Zm00001d024252	5E-07	-2.36	down	PREDICTED: F-box protein SKIP19-like [Zea mays]
Zm00001d041299	0.0014	-2.39	down	hypothetical protein [Zea mays]
Zm00001d048061	4E-07	-2.42	down	PREDICTED: 3-ketoacyl-CoA synthase 6-like [Zea mays]
Zm00001d017622	7E-07	-2.43	down	unknown [Zea mays]
Zm00001d005439	5E-09	-2.45	down	TPA: disulfide oxidoreductase/ monooxygenase/ oxidoreductase [Zea mays]
Zm00001d021459	0.0016	-2.48	down	hypothetical protein SORBIDRAFT_02g031700 [Sorghum bicolor]
Zm00001d001779	0.0047	-2.52	down	casparian strip membrane protein 2 [Zea mays]
Zm00001d042172	0.0047	-2.52	down	photosystem II reaction center W protein [Zea mays]
Zm00001d005885	0.0011	-2.52	down	PREDICTED: uncharacterized protein LOC103647482 [Zea mays]
Zm00001d039081	5E-12	-2.52	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d016484	1E-05	-2.55	down	TPA: hypothetical protein ZEAMMB73_572244 [Zea mays]
Zm00001d006017	0.0007	-2.56	down	uncharacterized LOC100191446 [Zea mays]
Zm00001d035434	0.0007	-2.56	down	hypothetical protein ZEAMMB73_660542 [Zea mays]
Zm00001d031357	0.003	-2.56	down	dnaJ protein [Zea mays]
Zm00001d038699	4E-14	-2.59	down	O-methyltransferase ZRP4 [Zea mays]
Zm00001d036643	0.0089	-2.62	down	uncharacterized protein LOC100273723 [Zea mays]
Zm00001d011301	1E-13	-2.62	down	starch branching enzyme III [Zea mays]
Zm00001d008477	3E-15	-2.64	down	PREDICTED: probable receptor-like protein kinase At1g67000 isoform X2 [Zea mays]
Zm00001d025885	5E-05	-2.65	down	PREDICTED: LOW QUALITY PROTEIN: cytokinin dehydrogenase 8-like [Zea mays]
Zm00001d014682	2E-06	-2.67	down	PREDICTED: auxin-induced protein 6B-like [Zea mays]
Zm00001d022477	4E-11	-2.68	down	PREDICTED: flowering-promoting factor 1-like protein 5 [Zea mays]

Supplementary Table 3. Continued.

Zm00001d051080	2E-10	-2.7	down	unknown [Zea mays]
Zm00001d038285	1E-14	-2.72	down	plant-specific domain TIGR01568 family protein [Zea mays]
Zm00001d037969	3E-07	-2.72	down	hypothetical protein ZEAMMB73_213799 [Zea mays]
Zm00001d031281	2E-05	-2.73	down	TPA: hypothetical protein ZEAMMB73_970575 [Zea mays]
Zm00001d028432	6E-12	-2.76	down	nuclear transcription factor Y subunit C-1 [Zea mays]
Zm00001d024876	0.0014	-2.81	down	hypothetical protein [Zea mays]
Zm00001d021905	2E-05	-2.85	down	TPA: hypothetical protein ZEAMMB73_168236 [Zea mays]
Zm00001d018984	2E-08	-2.87	down	PREDICTED: uncharacterized protein LOC103632033 [Zea mays]
Zm00001d024926	0.0038	-2.93	down	hypothetical protein ZEAMMB73_282059 [Zea mays]
Zm00001d011721	1E-07	-2.94	down	PREDICTED: brassinosteroid LRR receptor kinase [Zea mays]
Zm00001d043547	0.0002	-2.97	down	TPA: hypothetical protein ZEAMMB73_106043, partial [Zea mays]
Zm00001d014601	1E-05	-3.03	down	peroxidase 16 [Zea mays]
Zm00001d042684	8E-07	-3.05	down	TPA: hypothetical protein ZEAMMB73_385814 [Zea mays]
Zm00001d026594	1E-10	-3.11	down	cytokinin response regulator2 [Zea mays]
Zm00001d039116	0.0005	-3.12	down	PREDICTED: putative peroxisomal-coenzyme A synthetase [Zea mays]
Zm00001d038612	7E-08	-3.19	down	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d049851	5E-06	-3.26	down	hypothetical protein [Zea mays]
Zm00001d014918	8E-08	-3.34	down	LOW QUALITY PROTEIN: anther-specific proline-rich protein APG [Zea mays]
Zm00001d047907	5E-08	-3.36	down	PREDICTED: protein RADIALIS-like 3 [Zea mays]
Zm00001d031614	3E-05	-3.38	down	PREDICTED: exocyst complex component EXO70B1-like [Zea mays]
Zm00001d001865	2E-08	-3.44	down	RR6 - Corn type-A response regulator [Zea mays]
Zm00001d040172	2E-08	-3.44	down	uncharacterized protein LOC100277939 [Zea mays]
Zm00001d005807	4E-06	-3.52	down	PREDICTED: uncharacterized protein LOC103647459 [Zea mays]
Zm00001d038476	9E-08	-3.53	down	PREDICTED: alpha-expansin 5 isoform X1 [Zea mays]
Zm00001d034703	2E-06	-3.59	down	TPA: hypothetical protein ZEAMMB73_403194 [Zea mays]
Zm00001d042811	2E-06	-3.59	down	unknown [Zea mays]
Zm00001d017095	6E-05	-3.66	down	high affinity nitrate transporter [Zea mays]
Zm00001d024871	6E-05	-3.66	down	putative protein of unknown function (DUF594) domain family protein [Zea mays]
Zm00001d033347	6E-05	-3.66	down	PREDICTED: LOB domain-containing protein 37-like [Zea mays]
Zm00001d011679	3E-05	-3.7	down	PREDICTED: high affinity nitrate transporter 2.5 [Zea mays]
Zm00001d016145	3E-05	-3.7	down	PREDICTED: E3 ubiquitin-protein ligase EL5-like [Zea mays]
Zm00001d006936	2E-05	-3.74	down	PREDICTED: peroxidase 2-like [Zea mays]
Zm00001d029601	1E-09	-3.77	down	TPA: hypothetical protein ZEAMMB73_007834 [Zea mays]
Zm00001d028651	1E-16	-3.86	down	unknown [Zea mays]
Zm00001d018882	0.0005	-3.99	down	PREDICTED: small nuclear ribonucleoprotein-associated protein B isoform X1 [Zea mays]
Zm00001d051472	0.0005	-3.99	down	PREDICTED: heavy metal-associated isoprenylated plant protein 26-like [Zea mays]
Zm00001d025352	0.0003	-4.05	down	ferredoxin-3 [Zea mays]
Zm00001d050496	0.0003	-4.05	down	ribosomal protein L2 [Zea mays]
Zm00001d043447	0.0002	-4.1	down	PREDICTED: serine/threonine protein phosphatase 2A 57 kDa regulatory subunit B' theta isoform-like, partial [Zea mays]
Zm00001d031445	1E-04	-4.15	down	unknown [Zea mays]
Zm00001d047130	1E-04	-4.15	down	PREDICTED: translocase of chloroplast 120, chloroplastic-like [Zea mays]
Zm00001d004305	6E-05	-4.21	down	inorganic phosphate transporter [Zea mays]
Zm00001d049582	6E-05	-4.21	down	PREDICTED: LOW QUALITY PROTEIN: uncharacterized protein LOC103653091 [Zea mays]
Zm00001d039539	7E-16	-4.21	down	PREDICTED: uncharacterized protein LOC103649655 [Zea mays]
Zm00001d044396	4E-14	-4.25	down	PREDICTED: chlorophyll a-b binding protein of LHCII type 1-like [Zea mays]
Zm00001d010788	3E-05	-4.25	down	PREDICTED: uncharacterized protein LOC103635867 [Zea mays]
Zm00001d050989	3E-05	-4.25	down	PREDICTED: uncharacterized protein LOC103653725 [Zea mays]
Zm00001d045547	1E-08	-4.26	down	hypothetical protein SORBIDRAFT_10g001100 [Sorghum bicolor]
Zm00001d012494	2E-05	-4.3	down	PREDICTED: U-box domain-containing protein 16-like [Zea mays]
Zm00001d007125	1E-05	-4.35	down	PREDICTED: pentatricopeptide repeat-containing protein At2g32630-like [Zea mays]
Zm00001d019400	1E-05	-4.35	down	TPA: putative bifunctional inhibitor /lipid-transfer protein/seed storage 2S albumin superfamily protein [Zea mays]
Zm00001d037830	1E-05	-4.35	down	PREDICTED: pentatricopeptide repeat-containing protein At3g49170, chloroplastic [Zea mays]
Zm00001d035409	2E-09	-4.37	down	hypothetical protein ZEAMMB73_101811 [Zea mays]
Zm00001d013504	2E-15	-4.38	down	PREDICTED: uncharacterized protein LOC100273513 [Zea mays]
Zm00001d027500	6E-06	-4.39	down	flower-specific gamma-thionin precursor [Zea mays]
Zm00001d004469	1E-06	-4.52	down	PREDICTED: uncharacterized protein LOC103646859 [Zea mays]
Zm00001d018019	1E-06	-4.52	down	uncharacterized protein LOC100502275 [Zea mays]
Zm00001d034986	7E-07	-4.56	down	uncharacterized protein LOC100279973 [Zea mays]
Zm00001d007232	9E-08	-4.71	down	PREDICTED: uncharacterized protein LOC103647958 [Zea mays]
Zm00001d034755	3E-08	-4.78	down	TPA: hypothetical protein ZEAMMB73_492554 [Zea mays]
Zm00001d033386	7E-09	-4.88	down	uncharacterized LOC100217249 [Zea mays]
Zm00001d009468	6E-14	-4.89	down	PREDICTED: AP2/ERF and B3 domain-containing protein Os05g0549800-like [Zea mays]
Zm00001d011714	3E-11	-5.19	down	hypothetical protein ZEAMMB73_593560 [Zea mays]
Zm00001d046378	3E-11	-5.19	down	hypothetical protein precursor [Zea mays]
Zm00001d052768	3E-11	-5.19	down	hypothetical protein ZEAMMB73_466394 [Zea mays]
Zm00001d015662	1E-11	-5.24	down	uncharacterized protein LOC100382121 [Zea mays]
Zm00001d013453	4E-12	-5.29	down	PREDICTED: ATP-dependent RNA helicase DDX23 isoform X1 [Zea mays]
Zm00001d013081	3E-12	-5.31	down	uncharacterized protein LOC100191499 [Zea mays]
Zm00001d012260	1E-12	-5.36	down	unknown [Zea mays]
Zm00001d013497	9E-16	-5.68	down	PREDICTED: zinc finger CCCH domain-containing protein 24 [Zea mays]

Supplementary Table 4. Up- and down-regulated DEGs in the G2 (+CON pcf + Pst vs –CON pcf + Pst).

Gene ID	FDR	Log2FC	Regulated	NR_annotation
Zm00001d041777	1E-07	6.95	up	4-hydroxy-7-methoxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl glucoside beta-D-glucosidase GLU2 [Zea mays]
Zm00001d019704	9E-16	5.75	up	TPA: hypothetical protein ZEAMMB73_259306 [Zea mays]
Zm00001d041703	7E-15	5.65	up	TPA: hypothetical protein ZEAMMB73_415949 [Zea mays]
Zm00001d049179	1E-06	5.65	Up	TRIBOA-glucoside O-methyltransferase BX7 [Zea mays]
Zm00001d052816	2E-14	5.60	up	hypothetical protein ZEAMMB73_625740 [Zea mays]
Zm00001d020652	2E-16	5.26	up	hypothetical protein [Zea mays]
Zm00001d0404033	2E-11	5.21	up	PREDICTED: dnaJ homolog subfamily C member 2-like [Zea mays]
Zm00001d035569	3E-15	5.16	up	PREDICTED: uncharacterized protein LOC100278003 isoform X1 [Zea mays]
Zm00001d052186	1E-10	5.12	up	pre-mRNA-splicing factor prp45 [Zea mays]
Zm00001d037057	7E-15	5.11	up	unknown [Zea mays]
Zm00001d019593	3E-10	5.06	up	PREDICTED: probable carbohydrate esterase At4g34215 [Zea mays]
Zm00001d015578	4E-10	5.04	up	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d032400	4E-10	5.04	up	LOC100282286 precursor [Zea mays]
Zm00001d010646	9E-10	4.98	up	putative histone-lysine N-methyltransferase family protein [Zea mays]
Zm00001d044726	8E-09	4.84	up	PREDICTED: NF-X1-type zinc finger protein NFXL1-like [Zea mays]
Zm00001d039271	1E-08	4.81	up	TPA: hypothetical protein ZEAMMB73_145518 [Zea mays]
Zm00001d040542	2E-08	4.78	up	PREDICTED: pentatricopeptide repeat-containing protein At2g13600-like isoform X1 [Zea mays]
Zm00001d028486	3E-08	4.75	up	chemocyanin precursor [Zea mays]
Zm00001d028718	3E-14	4.70	up	hypothetical protein [Zea mays]
Zm00001d015945	1E-07	4.65	up	uncharacterized LOC100384571 [Zea mays]
Zm00001d019733	1E-07	4.65	up	TPA: hypothetical protein ZEAMMB73_042132 [Zea mays]
Zm00001d035249	1E-07	4.65	up	hypothetical protein ZEAMMB73_767449 [Zea mays]
Zm00001d052243	1E-07	4.65	up	putative laccase family protein [Zea mays]
Zm00001d015201	1E-13	4.62	up	PREDICTED: uncharacterized protein LOC100383982 isoform X1 [Zea mays]
Zm00001d025833	3E-07	4.58	up	uncharacterized protein LOC100216957 [Zea mays]
Zm00001d013854	2E-10	4.56	up	TPA: hypothetical protein ZEAMMB73_660128 [Zea mays]
Zm00001d027375	7E-13	4.54	up	TPA: lysM domain containing protein [Zea mays]
Zm00001d010705	7E-07	4.50	up	F-box domain containing protein [Zea mays]
Zm00001d048634	7E-12	4.41	up	DIBOA-glucoside dioxygenase BX6 [Zea mays]
Zm00001d016151	3E-06	4.38	up	PREDICTED: cytochrome P450 93A3-like [Zea mays]
Zm00001d026041	3E-06	4.38	up	PREDICTED: LOW QUALITY PROTEIN: putative ABC transporter C family member 15 [Zea mays]
Zm00001d005174	3E-06	4.38	up	DIMBOA UDP-glucosyltransferase BX8 [Zea mays]
Zm00001d039880	5E-06	4.34	up	hypothetical protein precursor [Zea mays]
Zm00001d033987	6E-14	4.23	up	hypothetical protein SORBIDRAFT_01g008380 [Sorghum bicolor]
Zm00001d025107	2E-05	4.20	up	uncharacterized protein LOC100192811 [Zea mays]
Zm00001d032399	2E-05	4.20	up	uncharacterized protein LOC100383543 [Zea mays]
Zm00001d014766	4E-05	4.16	up	uncharacterized protein LOC100193563 [Zea mays]
Zm00001d029435	4E-05	4.16	up	PREDICTED: pre-mRNA-processing factor 17-like [Zea mays]
Zm00001d053398	4E-05	4.16	up	PREDICTED: uncharacterized protein LOC103653602 [Zea mays]
Zm00001d023335	1E-15	4.01	up	PREDICTED: E3 ubiquitin-protein ligase RNF126-like [Zea mays]
Zm00001d045056	7E-07	4.01	up	serine threonine kinase1 [Zea mays]
Zm00001d014831	0.0002	4.00	up	hypothetical protein ZEAMMB73_826788 [Zea mays]
Zm00001d030507	0.0002	4.00	up	PREDICTED: WAT1-related protein At5g64700-like isoform X1 [Zea mays]
Zm00001d037653	1E-06	3.97	up	PREDICTED: xylanase inhibitor protein 1-like [Zea mays]
Zm00001d012110	0.0003	3.95	up	hypothetical protein ZEAMMB73_791280 [Zea mays]
Zm00001d015278	0.0003	3.95	up	PREDICTED: ADP-ribosylation factor GTPase-activating protein AGD1-like [Zea mays]
Zm00001d030555	0.0003	3.95	up	TPA: putative D-mannose binding lectin family receptor-like protein kinase [Zea mays]
Zm00001d025703	3E-06	3.90	up	PREDICTED: ABC transporter B family member 15-like [Zea mays]
Zm00001d018102	0.0005	3.89	up	PREDICTED: lysine-specific histone demethylase 1 homolog 1 [Zea mays]
Zm00001d025238	0.0005	3.89	up	hypothetical protein ZEAMMB73_168515 [Zea mays]
Zm00001d004357	5E-08	3.88	up	TPA: putative protein phosphatase 2C family protein [Zea mays]
Zm00001d039140	4E-06	3.87	up	hypothetical protein [Zea mays]
Zm00001d002173	0.0009	3.83	up	PREDICTED: receptor-like serine/threonine-protein kinase SD1-8 [Zea mays]
Zm00001d007411	0.0009	3.83	up	TPA: hypothetical protein ZEAMMB73_955786 [Zea mays]
Zm00001d0165620	0.0009	3.83	up	benzoxazinone synthesis BX2 [Zea mays]
Zm00001d018580	0.0009	3.83	up	PREDICTED: exocyst complex component EXO70B1-like [Zea mays]
Zm00001d044079	0.0009	3.83	up	TPA: tat pathway signal sequence family protein [Zea mays]
Zm00001d016076	2E-07	3.80	up	hypothetical protein ZEAMMB73_316677 [Zea mays]
Zm00001d015202	1E-05	3.79	up	PREDICTED: protein STRUBBELIG-like [Zea mays]
Zm00001d025646	2E-05	3.75	up	hypothetical protein ZEAMMB73_943034 [Zea mays]
Zm00001d034090	2E-05	3.75	up	PREDICTED: protein-O-fucosyltransferase 1 isoform X1 [Zea mays]
Zm00001d033854	0.0026	3.70	up	uncharacterized protein LOC100193318 [Zea mays]
Zm00001d034357	3E-15	3.68	up	PREDICTED: isoflavone reductase homolog IRL-like [Zea mays]
Zm00001d043513	4E-05	3.67	up	hypothetical protein ZEAMMB73_878123 [Zea mays]
Zm00001d004750	0.0045	3.63	up	PREDICTED: stromal membrane-associated protein 1-like [Zea mays]
Zm00001d009108	0.0045	3.63	up	putative RING/U-box superfamily protein isoform 1 [Zea mays]
Zm00001d020071	0.0045	3.63	up	PREDICTED: sugar transport protein 14-like [Zea mays]
Zm00001d021387	0.0045	3.63	up	PREDICTED: uncharacterized protein LOC100278588 isoform X1 [Zea mays]
Zm00001d033464	0.0045	3.63	up	SAUR14 - auxin-responsive SAUR family member [Zea mays]
Zm00001d037148	0.0045	3.63	up	hypothetical protein ZEAMMB73_564694 [Zea mays]
Zm00001d041787	0.0045	3.63	up	hypothetical protein Osl_07084 [Oryza sativa Indica Group]
Zm00001d009295	4E-10	3.63	up	probable potassium transporter 3 [Zea mays]
Zm00001d040652	7E-05	3.62	up	PREDICTED: protein trichome birefringence-like 38 [Zea mays]
Zm00001d046145	9E-08	3.61	up	PREDICTED: RING-H2 finger protein ATL3-like [Zea mays]
Zm00001d049244	6E-16	3.59	up	putative IQ calmodulin-binding and BAG domain containing family protein [Zea mays]
Zm00001d007271	0.0079	3.56	up	TPA: class IV heat shock protein [Zea mays]
Zm00001d023394	0.0079	3.56	up	uncharacterized protein LOC100192016 precursor [Zea mays]
Zm00001d020976	2E-15	3.53	up	hypothetical protein [Zea mays]
Zm00001d039933	6E-12	3.45	up	16.9 kDa class I heat shock protein 1 [Zea mays]
Zm00001d051548	1E-06	3.42	up	hypothetical protein ZEAMMB73_638606 [Zea mays]
Zm00001d048189	1E-14	3.38	up	hypothetical protein ZEAMMB73_695392 [Zea mays]
Zm00001d050848	2E-07	3.38	up	PREDICTED: uncharacterized abhydrolase domain-containing protein DDB_G0269086-like isoform X1 [Zea mays]
Zm00001d048660	7E-10	3.37	up	PREDICTED: Bowman-Birk type trypsin inhibitor isoform X1 [Zea mays]
GRMZM5686062	0.0012	3.33	up	hypothetical protein ZeamMp015 [Zea mays subsp. mays]
Zm00001d031781	0.002	3.27	up	PREDICTED: transcription factor HEC2-like [Zea mays]
Zm00001d018611	1E-15	3.27	up	PREDICTED: isoprene synthase, chloroplastic-like [Zea mays]
Zm00001d031436	1E-12	3.26	up	LOC100284472 [Zea mays]
Zm00001d042099	1E-06	3.26	up	TPA: glutathione S-transferase [Zea mays]
Zm00001d039487	1E-05	3.24	up	TPA: hypothetical protein ZEAMMB73_777642 [Zea mays]
Zm00001d019463	1E-14	3.22	up	lipase [Zea mays]
Zm00001d011229	0.0002	3.21	up	PREDICTED: putative SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 3-like 3 [Solanum lycopersicum]
Zm00001d048489	3E-15	3.21	up	PREDICTED: BAG family molecular chaperone regulator 6-like isoform X2 [Zea mays]
Zm00001d049218	1E-08	3.20	up	unknown [Zea mays]
Zm00001d040627	3E-14	3.18	up	PREDICTED: uncharacterized protein LOC100382359 isoform X1 [Zea mays]
Zm00001d014680	5E-10	3.17	up	PREDICTED: probable cation transporter HKT9 [Zea mays]
Zm00001d043375	0.0054	3.16	up	PREDICTED: protein NRT1/ PTR FAMILY 1.1-like [Zea mays]
Zm00001d031625	2E-10	3.14	up	TPA: putative MADS-box transcription factor family protein [Zea mays]

Supplementary Table 4. Continued.

Zm00001d048073	2E-11	3.13	up	unknown [Zea mays]
Zm00001d016653	5E-08	3.12	up	WD40 repeat protein [Zea mays]
Zm00001d023336	4E-10	3.12	up	PREDICTED: probable WRKY transcription factor 62 [Zea mays]
Zm00001d015139	7E-16	3.11	up	hypothetical protein ZEAMMB73_697324 [Zea mays]
Zm00001d008750	0.0089	3.10	up	PREDICTED: probable aspartic protease At2g35615 [Zea mays]
Zm00001d019170	4E-13	3.09	up	PREDICTED: LOW QUALITY PROTEIN: basic helix-loop-helix protein A [Zea mays]
Zm00001d013021	1E-07	3.06	up	isopentenyl transferase IPT5 [Zea mays]
Zm00001d050437	0.0013	3.03	up	PREDICTED: replication protein A 70 kDa DNA-binding subunit C-like isoform X2 [Zea mays]
Zm00001d044994	0.0002	3.02	up	PREDICTED: vesicular inhibitory amino acid transporter-like [Zea mays]
Zm00001d022467	2E-08	3.02	up	TPA: anthocyanidin 3-O-glucosyltransferase [Zea mays]
Zm00001d037080	1E-09	3.01	up	PREDICTED: putative leucine-rich repeat receptor-like serine/threonine-protein kinase At2g24130 [Zea mays]
Zm00001d026094	4E-13	3.00	up	PREDICTED: heat shock factor protein 4 isoform X1 [Zea mays]
Zm00001d005246	2E-15	3.00	up	TPA: hypothetical protein ZEAMMB73_023345 [Zea mays]
Zm00001d044728	2E-10	3.00	up	class I heat shock protein 3 [Zea mays]
Zm00001d012479	6E-10	2.99	up	hypothetical protein SORBIDRAFT_03g038540 [Sorghum bicolor]
Zm00001d000020	4E-14	2.99	up	PREDICTED: transmembrane protein 189-like [Zea mays]
Zm00001d037834	2E-12	2.96	up	hypothetical protein ZEAMMB73_867293 [Zea mays]
Zm00001d002035	1E-12	2.95	up	LOC100282067 precursor [Zea mays]
Zm00001d029154	3E-13	2.91	up	TPA: beta-amylase [Zea mays]
Zm00001d017598	3E-10	2.90	up	unknown [Zea mays]
Zm00001d029699	8E-14	2.90	up	PREDICTED: probable glutathione S-transferase GSTU6 [Zea mays]
Zm00001d002847	2E-08	2.90	up	TPA: hypothetical protein ZEAMMB73_569025 [Zea mays]
Zm00001d025456	0.0001	2.89	up	TPA: putative peptidase C48 domain family protein [Zea mays]
Zm00001d014386	2E-09	2.89	up	hypothetical protein ZEAMMB73_703936 [Zea mays]
Zm00001d016256	5E-07	2.88	up	meiosis 5 [Zea mays]
Zm00001d012484	5E-10	2.88	up	hypothetical protein ZEAMMB73_454603 [Zea mays]
Zm00001d008510	0.0053	2.87	up	putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d015434	1E-14	2.87	up	B-box zinc finger family protein [Zea mays]
Zm00001d017002	0.0002	2.86	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d002146	1E-09	2.85	up	putative phototropic-responsive NPH3 family protein [Zea mays]
Zm00001d044529	1E-06	2.82	up	PREDICTED: protein NRT1/ PTR FAMILY 6.2-like [Zea mays]
Zm00001d026623	0.0085	2.82	up	hypothetical protein ZEAMMB73_494831 [Zea mays]
Zm00001d027949	0.0085	2.82	up	TPA: tyrosine/DOPA decarboxylase 2 [Zea mays]
Zm00001d047542	0.0085	2.82	up	hypothetical protein [Zea mays]
Zm00001d008173	1E-13	2.80	up	PREDICTED: uncharacterized protein LOC100276245 isoform X1 [Zea mays]
Zm00001d030775	0.0004	2.78	up	TPA: hypothetical protein ZEAMMB73_688937 [Zea mays]
Zm00001d042737	5E-12	2.78	up	TPA: putative ARM repeat-containing protein containing family protein [Zea mays]
Zm00001d036229	0.0021	2.77	up	hypothetical protein ZEAMMB73_729869 [Zea mays]
Zm00001d049157	9E-15	2.75	up	octicosapeptide/Phox/Bem1p [Zea mays]
Zm00001d004881	3E-16	2.75	up	PREDICTED: uncharacterized protein LOC103647057 [Zea mays]
Zm00001d053146	5E-10	2.73	up	PREDICTED: pentatricopeptide repeat-containing protein At5g48910-like [Zea mays]
Zm00001d049631	0.0032	2.73	up	putative ubiquitin-conjugating enzyme family [Zea mays]
Zm00001d031875	8E-16	2.73	up	TPA: inorganic phosphate transporter 3 [Zea mays]
Zm00001d020638	9E-09	2.73	up	hypothetical protein [Zea mays]
GRMZM5G863003	7E-11	2.72	up	TPA: hypothetical protein ZEAMMB73_559233 [Zea mays]
Zm00001d020852	4E-12	2.72	up	unknown [Zea mays]
Zm00001d004921	2E-07	2.71	up	LOC100281319 [Zea mays]
Zm00001d051520	2E-08	2.71	up	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d039419	1E-07	2.70	up	TPA: hypothetical protein ZEAMMB73_285587 [Zea mays]
Zm00001d017422	4E-15	2.69	up	putative homeobox DNA-binding and leucine zipper domain family protein [Zea mays]
Zm00001d007027	2E-14	2.68	up	TPA: putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d040526	2E-06	2.65	up	TPA: hypothetical protein ZEAMMB73_272026 [Zea mays]
Zm00001d042749	2E-06	2.65	up	PREDICTED: LOW QUALITY PROTEIN: protein YLS9-like [Zea mays]
Zm00001d003006	5E-07	2.65	up	aquaporin PIP2-5 [Zea mays]
Zm00001d016255	6E-16	2.64	up	unknown [Zea mays]
Zm00001d051938	3E-09	2.64	up	PREDICTED: cinnamoyl-CoA reductase 1-like [Zea mays]
Zm00001d047301	9E-10	2.63	up	--
Zm00001d037849	1E-06	2.63	up	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d015346	0.0075	2.63	up	PREDICTED: uncharacterized protein LOC100191397 isoform X1 [Zea mays]
Zm00001d026141	0.0019	2.63	up	PREDICTED: uncharacterized protein LOC103641989 [Zea mays]
Zm00001d026540	0.0019	2.63	up	hypothetical protein ZEAMMB73_806966 [Zea mays]
Zm00001d003999	0.0006	2.62	up	TPA: hypothetical protein ZEAMMB73_713076 [Zea mays]
Zm00001d012212	0.0006	2.62	up	hypothetical protein ZEAMMB73_890121 [Zea mays]
Zm00001d014486	8E-16	2.62	up	phosphosulfolactate synthase-related protein [Zea mays]
Zm00001d011198	4E-06	2.61	up	hypothetical protein ZEAMMB73_404298 [Zea mays]
Zm00001d047744	1E-13	2.61	up	PREDICTED: flavonol synthase/flavanone 3-hydroxylase-like [Zea mays]
Zm00001d008764	2E-16	2.61	up	hypothetical protein ZEAMMB73_447013 [Zea mays]
Zm00001d008399	2E-12	2.61	up	PREDICTED: NAC transcription factor NAM-B2-like [Zea mays]
Zm00001d043621	2E-09	2.61	up	LOC100284789 [Zea mays]
Zm00001d051799	2E-14	2.60	up	unknown [Zea mays]
Zm00001d026156	1E-16	2.60	up	PREDICTED: glycerol 3-phosphate permease isoform X1 [Zea mays]
Zm00001d048690	1E-10	2.60	up	PREDICTED: serine carboxypeptidase-like 50 [Zea mays]
Zm00001d052343	1E-16	2.60	up	PREDICTED: probable serine/threonine-protein kinase WNK8 [Zea mays]
Zm00001d039394	3E-09	2.60	up	PREDICTED: gibberellin 2-beta-dioxygenase 1-like [Zea mays]
Zm00001d030339	3E-07	2.59	up	peptidyl-prolyl cis-trans isomerase [Zea mays]
Zm00001d012791	0.0008	2.59	up	hypothetical protein precursor [Zea mays]
Zm00001d042935	4E-15	2.57	up	TPA: hypothetical protein ZEAMMB73_337217 [Zea mays]
Zm00001d023664	2E-14	2.57	up	ABA-responsive protein [Zea mays]
Zm00001d015394	2E-05	2.57	up	PREDICTED: uncharacterized protein LOC103626673 [Zea mays]
Zm00001d007285	1E-07	2.57	up	putative alcohol dehydrogenase superfamily protein [Zea mays]
Zm00001d007072	2E-16	2.56	up	hypothetical protein [Zea mays]
Zm00001d044898	6E-14	2.56	up	copper ion binding protein [Zea mays]
Zm00001d034298	4E-16	2.56	up	PREDICTED: transcription factor PIF5 isoform X2 [Zea mays]
Zm00001d023376	6E-16	2.56	up	uncharacterized protein LOC100502283 [Zea mays]
Zm00001d012764	0.0004	2.56	up	malic enzyme Precursor [Zea mays]
Zm00001d004301	2E-14	2.56	up	TPA: phosphate transport protein [Zea mays]
Zm00001d042217	3E-11	2.55	up	LOC100284002 [Zea mays]
Zm00001d020954	3E-16	2.55	up	splicing factor U2af 38 kDa subunit [Zea mays]
Zm00001d005742	3E-11	2.55	up	TPA: hypothetical protein ZEAMMB73_851082 [Zea mays]
Zm00001d020673	2E-09	2.55	up	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d032186	2E-13	2.54	up	uncharacterized protein LOC100192110 precursor [Zea mays]
Zm00001d029715	8E-07	2.53	up	PREDICTED: uncharacterized protein LOC103637402 [Zea mays]
Zm00001d037681	4E-14	2.52	up	hypothetical protein ZEAMMB73_279889 [Zea mays]
Zm00001d048736	1E-14	2.52	up	hypothetical protein [Zea mays]
Zm00001d039619	5E-07	2.52	up	60S ribosomal protein L18A [Zea mays]
Zm00001d032969	1E-15	2.52	up	bronze2 [Zea mays]
Zm00001d024572	3E-15	2.51	up	PREDICTED: putative glycerol-3-phosphate transporter 1 [Zea mays]
Zm00001d017025	1E-08	2.51	up	RecName: Full=Nitrate reductase [NADH] 3; Short=NR [Zea mays]

Supplementary Table 4. Continued.

Zm00001d014914	2E-15	2.50	up	leucoanthocyanidin dioxygenase [Zea mays]
Zm00001d028171	0.0064	2.49	up	hypothetical protein [Zea mays]
Zm00001d040570	1E-10	2.49	up	PREDICTED: myosin heavy chain, clone 203 isoform X2 [Zea mays]
Zm00001d026282	3E-15	2.49	up	36.4 kDa proline-rich protein precursor [Zea mays]
Zm00001d046300	2E-10	2.49	up	LOC100127539 [Zea mays]
Zm00001d012041	1E-05	2.47	up	PREDICTED: uncharacterized protein LOC103636358 [Zea mays]
Zm00001d015126	3E-12	2.46	up	hypothetical protein [Zea mays]
Zm00001d016588	4E-15	2.46	up	glycerophosphodiester phosphodiesterase isoform 1 [Zea mays]
Zm00001d024903	9E-12	2.46	up	unknown [Zea mays]
Zm00001d042503	1E-06	2.46	up	TPA: hypothetical protein ZEAMMB73_880748 [Zea mays]
Zm00001d002848	5E-09	2.46	up	hypothetical protein [Zea mays]
Zm00001d048202	8E-13	2.46	up	putative bifunctional inhibitor/LTP/seed storage protein family [Zea mays]
Zm00001d047847	5E-15	2.46	up	uncharacterized protein LOC100194272 [Zea mays]
Zm00001d032481	2E-13	2.45	up	hypothetical protein [Zea mays]
Zm00001d022272	7E-14	2.44	up	PREDICTED: LOC100273851 isoform X2 [Zea mays]
Zm00001d020589	2E-14	2.44	up	hypothetical protein SORBIDRAFT_02g025470 [Sorghum bicolor]
Zm00001d026147	6E-13	2.43	up	PREDICTED: anthocyanin regulatory R-S protein isoform X1 [Zea mays]
Zm00001d008869	3E-13	2.42	up	PREDICTED: homeobox-leucine zipper protein HOX29-like isoform X2 [Zea mays]
Zm00001d034925	2E-14	2.42	up	TPA: transferase [Zea mays]
Zm00001d043651	3E-11	2.42	up	PREDICTED: uncharacterized protein LOC100383587 isoform X1 [Zea mays]
Zm00001d018384	6E-12	2.42	up	PREDICTED: uncharacterized protein LOC100216891 isoform X1 [Zea mays]
Zm00001d029885	3E-13	2.42	up	PREDICTED: two-component response regulator-like PRR37 [Zea mays]
Zm00001d036513	3E-09	2.41	up	PREDICTED: probable polyamine oxidase 2 [Zea mays]
Zm00001d031569	2E-14	2.41	up	LOC100283417 [Zea mays]
Zm00001d021532	4E-13	2.40	up	PREDICTED: uncharacterized protein LOC103634302, partial [Zea mays]
Zm00001d021569	2E-13	2.39	up	transparent testa 12 protein [Zea mays]
Zm00001d044785	2E-13	2.39	up	PREDICTED: G2-like1 isoform X1 [Zea mays]
Zm00001d014703	4E-05	2.39	up	PREDICTED: uncharacterized protein LOC100382664 isoform X1 [Zea mays]
Zm00001d047495	1E-11	2.39	up	uncharacterized protein LOC100280087 [Zea mays]
Zm00001d044765	4E-14	2.39	up	benzoate carboxyl methyltransferase [Zea mays]
Zm00001d051915	4E-14	2.39	up	PREDICTED: ABC(yeast) homolog1 isoform X1 [Zea mays]
Zm00001d018856	2E-07	2.38	up	PREDICTED: 14-3-3-like protein GF14-D [Zea mays]
Zm00001d040659	3E-08	2.36	up	PREDICTED: late embryogenesis abundant protein Lea5-D-like [Zea mays]
Zm00001d015779	6E-10	2.34	up	PREDICTED: uncharacterized protein LOC103628402 [Zea mays]
Zm00001d036139	0.0001	2.34	up	hypothetical protein SORBIDRAFT_10g003230 [Sorghum bicolor]
Zm00001d024072	8E-05	2.34	up	hypothetical protein SORBIDRAFT_10g006500 [Sorghum bicolor]
Zm00001d032828	1E-13	2.34	up	LOC100281495 [Zea mays]
Zm00001d007918	4E-13	2.34	up	TPA: putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d045564	2E-13	2.33	up	unknown [Zea mays]
Zm00001d037695	2E-13	2.33	up	PREDICTED: protein CHUP1, chloroplastic-like isoform X1 [Zea mays]
Zm00001d019297	3E-06	2.33	up	hypothetical protein SORBIDRAFT_02g007610 [Sorghum bicolor]
Zm00001d047582	2E-13	2.32	up	galactinol synthase 3 [Zea mays]
Zm00001d047749	5E-12	2.32	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d027619	3E-13	2.31	up	TPA: beta-amylase [Zea mays]
Zm00001d028392	6E-13	2.31	up	actin-depolymerizing factor 5 [Zea mays]
Zm00001d029929	0.0045	2.31	up	--
Zm00001d032188	2E-07	2.31	up	PREDICTED: uncharacterized protein LOC100216582 isoform X1 [Zea mays]
Zm00001d025665	4E-13	2.30	up	PREDICTED: LOC100283931 isoform X1 [Zea mays]
Zm00001d047736	2E-07	2.30	up	asparagine synthetase [Zea mays]
Zm00001d023548	0.0003	2.29	up	putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d043734	8E-13	2.28	up	PREDICTED: salicylate carboxymethyltransferase-like [Zea mays]
Zm00001d021263	2E-07	2.28	up	PREDICTED: heat stress transcription factor B-2c-like [Zea mays]
Zm00001d047187	1E-06	2.28	up	prostaglandin E synthase 3 [Zea mays]
Zm00001d030526	7E-13	2.27	up	uncharacterized protein LOC100191600 [Zea mays]
Zm00001d043586	2E-07	2.27	up	TPA: hypothetical protein ZEAMMB73_265438 [Zea mays]
Zm00001d017539	1E-11	2.27	up	hypothetical protein [Zea mays]
Zm00001d017381	2E-08	2.27	up	LOC100281076 [Zea mays]
Zm00001d013593	0.0004	2.27	up	PREDICTED: uncharacterized protein LOC103626008 [Zea mays]
Zm00001d044723	3E-12	2.27	up	PREDICTED: uncharacterized protein LOC100192049 isoform X1 [Zea mays]
Zm00001d020686	3E-12	2.26	up	PREDICTED: uncharacterized protein LOC100382364 isoform X1 [Zea mays]
Zm00001d052067	7E-05	2.26	up	putative protein kinase superfamily protein [Zea mays]
Zm00001d022254	2E-12	2.26	up	unknown [Zea mays]
Zm00001d011968	2E-06	2.25	up	hypothetical protein ZEAMMB73_049848 [Zea mays]
Zm00001d043789	5E-05	2.25	up	TPA: glutathione S-transferase GSTU6 [Zea mays]
Zm00001d039314	4E-12	2.25	up	TPA: hypothetical protein ZEAMMB73_023139 [Zea mays]
Zm00001d013287	2E-11	2.24	up	PREDICTED: uncharacterized protein LOC100275496 isoform X1 [Zea mays]
Zm00001d014235	0.0038	2.24	up	mps one binder kinase activator-like 1A [Zea mays]
Zm00001d034572	0.0038	2.24	up	transcription regulator [Zea mays]
Zm00001d037687	1E-08	2.24	up	derlin-1.2 [Zea mays]
Zm00001d029373	0.0002	2.23	up	hypothetical protein SORBIDRAFT_01g033770 [Sorghum bicolor]
Zm00001d037816	0.0002	2.23	up	PREDICTED: LOC100281575 isoform X1 [Zea mays]
Zm00001d033707	2E-12	2.23	up	PREDICTED: uncharacterized protein LOC100216831 isoform X1 [Zea mays]
Zm00001d015052	0.0093	2.23	up	hypothetical protein [Zea mays]
Zm00001d029664	6E-12	2.23	up	PREDICTED: shaggy-related protein kinase alpha-like [Zea mays]
Zm00001d013326	5E-12	2.23	up	uncharacterized protein LOC100275407 [Zea mays]
Zm00001d041491	6E-11	2.23	up	hypothetical protein [Zea mays]
Zm00001d045055	7E-12	2.23	up	UDP glucose flavonoid 3-O-glucosyltransferase [Zea mays]
Zm00001d012686	3E-12	2.21	up	PREDICTED: uncharacterized protein LOC103636623 [Zea mays]
Zm00001d051362	4E-12	2.21	up	aquaporin TIP2-1 [Zea mays]
Zm00001d018470	2E-11	2.21	up	PREDICTED: carboxyl-terminal-processing peptidase 2, chloroplastic [Zea mays]
Zm00001d017486	0.0053	2.21	up	PREDICTED: uncharacterized protein LOC103627506 [Zea mays]
Zm00001d026712	1E-11	2.21	up	endoglucanase 12-like [Zea mays]
Zm00001d038192	0.0014	2.20	up	glutathione S-transferase GST 41 [Zea mays]
Zm00001d012488	5E-12	2.20	up	nodulin-like protein [Zea mays]
Zm00001d029366	1E-11	2.20	up	TPA: hypothetical protein ZEAMMB73_055127 [Zea mays]
Zm00001d023841	0.0002	2.20	up	PREDICTED: uncharacterized protein LOC100194298 isoform X1 [Zea mays]
Zm00001d019595	5E-12	2.20	up	putative regulator of chromosome condensation (RCC1) family protein [Zea mays]
Zm00001d031332	6E-12	2.19	up	LOC100384473 [Zea mays]
Zm00001d029654	1E-11	2.19	up	PREDICTED: uncharacterized protein LOC100280412 isoform X1 [Zea mays]
Zm00001d007329	0.0032	2.19	up	PREDICTED: probable WRKY transcription factor 45 [Zea mays]
Zm00001d021315	0.0032	2.19	up	TPA: collagen, type IV, alpha 5 [Zea mays]
Zm00001d040362	9E-07	2.19	up	uncharacterized protein LOC100275712 [Zea mays]
Zm00001d036010	3E-11	2.18	up	PREDICTED: uncharacterized protein LOC100383021 isoform X1 [Zea mays]
Zm00001d014324	1E-11	2.18	up	uncharacterized protein LOC100192933 [Zea mays]
Zm00001d016019	2E-09	2.18	up	PREDICTED: uncharacterized protein LOC103628490 [Zea mays]
Zm00001d001832	1E-06	2.18	up	TPA: hypothetical protein ZEAMMB73_623168 [Zea mays]
Zm00001d019525	6E-05	2.17	up	PREDICTED: putative pentatricopeptide repeat-containing protein At3g23330 [Zea mays]
Zm00001d029391	9E-08	2.17	up	unknown [Zea mays]

Supplementary Table 4. Continued.

Zm00001d032603	4E-11	2.16	up	hypothetical protein [Zea mays]
Zm00001d023516	5E-11	2.16	up	PL3K2 [Zea mays]
Zm00001d044838	3E-10	2.16	up	unknown [Zea mays]
Zm00001d038809	2E-11	2.16	up	PREDICTED: uncharacterized protein LOC100193102 isoform X1 [Zea mays]
Zm00001d034368	2E-11	2.15	up	putative dnaJ chaperone family protein [Zea mays]
Zm00001d018344	0.0008	2.15	up	unknown [Zea mays]
Zm00001d041282	0.0008	2.15	up	hypothetical protein [Zea mays]
Zm00001d025303	1E-09	2.15	up	potassium transporter 1-like [Zea mays]
Zm00001d027723	2E-11	2.15	up	PREDICTED: uncharacterized protein LOC100216600 isoform X1 [Zea mays]
Zm00001d039685	2E-11	2.14	up	unknown [Zea mays]
Zm00001d047989	2E-11	2.14	up	hypothetical protein [Zea mays]
Zm00001d029460	3E-09	2.14	up	ids4-like protein [Zea mays]
Zm00001d018429	3E-11	2.14	up	unknown [Zea mays]
Zm00001d022274	3E-11	2.13	up	unknown [Zea mays]
Zm00001d046334	7E-10	2.13	up	PREDICTED: tyrosine N-monooxygenase-like [Zea mays]
Zm00001d037141	0.0016	2.13	up	PREDICTED: uncharacterized protein LOC103629887 [Zea mays]
Zm00001d053568	3E-11	2.13	up	uncharacterized protein LOC100275457 [Zea mays]
Zm00001d045667	5E-11	2.13	up	unknown [Zea mays]
Zm00001d039499	3E-11	2.13	up	6-phosphofructokinase 2 [Zea mays]
Zm00001d040107	4E-08	2.13	up	hypothetical protein SORBIDRAFT_03g008200 [Sorghum bicolor]
Zm00001d017121	7E-10	2.13	up	cytosolic glyceraldehyde-3-phosphate dehydrogenase GAPC4 isoform 1 [Zea mays]
Zm00001d043023	3E-11	2.13	up	TPA: hypothetical protein ZEAMMB73_973806 [Zea mays]
Zm00001d023402	5E-05	2.12	up	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d002439	5E-09	2.11	up	PREDICTED: calcium-dependent protein kinase substrate protein isoform X1 [Zea mays]
Zm00001d013958	4E-09	2.11	up	hypothetical protein [Zea mays]
Zm00001d042874	4E-11	2.11	up	PREDICTED: probable mannose-1-phosphate guanylyltransferase 3 [Zea mays]
Zm00001d051288	3E-08	2.10	up	unknown [Zea mays]
Zm00001d051865	9E-10	2.09	up	PREDICTED: zinc finger protein ZAT5-like [Zea mays]
Zm00001d047063	1E-10	2.09	up	crcb-like protein [Zea mays]
Zm00001d017646	8E-05	2.09	up	hypothetical protein ZEAMMB73_540288 [Zea mays]
Zm00001d046422	0.0006	2.09	up	cytochrome P450 CYP734A7 [Zea mays]
Zm00001d040215	9E-11	2.09	up	PREDICTED: chaperone protein dnaJ 20, chloroplast-like [Zea mays]
Zm00001d014193	1E-10	2.07	up	PREDICTED: protein PHYTOCHROME KINASE SUBSTRATE 1-like [Zea mays]
Zm00001d049554	1E-10	2.07	up	PREDICTED: uncharacterized protein LOC100216884 isoform X1 [Zea mays]
Zm00001d049715	3E-07	2.07	up	IAA25-auxin-responsive Aux/IAA family member [Zea mays]
Zm00001d011193	2E-09	2.06	up	PREDICTED: uncharacterized membrane protein C776.05-like [Zea mays]
Zm00001d020898	2E-10	2.05	up	PREDICTED: heat shock protein 81-1 [Zea mays]
Zm00001d034916	0.0002	2.05	up	TPA: putative MATE efflux family protein [Zea mays]
Zm00001d013130	8E-10	2.05	up	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d043998	2E-10	2.05	up	uncharacterized protein LOC100280571 [Zea mays]
Zm00001d034723	1E-07	2.05	up	PREDICTED: mannan endo-1,4-beta-mannosidase 3-like isoform X2 [Zea mays]
Zm00001d024317	4E-08	2.05	up	transferase [Zea mays]
Zm00001d034655	6E-10	2.04	up	PREDICTED: protein phosphatase 2C 35-like [Zea mays]
Zm00001d038576	4E-10	2.04	up	PREDICTED: probable calcium-transporting ATPase 6, plasma membrane-type isoform X1 [Zea mays]
Zm00001d028720	4E-10	2.04	up	TPA: hypothetical protein ZEAMMB73_314623 [Zea mays]
Zm00001d047045	5E-10	2.04	up	hypothetical protein SORBIDRAFT_01g028430 [Sorghum bicolor]
GRMZM5G827309	4E-05	2.03	up	hypothetical protein ZeamMp088 [Zea mays subsp. mays]
Zm00001d026500	4E-05	2.03	up	PREDICTED: uncharacterized protein LOC103642146 [Zea mays]
Zm00001d007609	9E-06	2.03	up	uncharacterized LOC100191865 [Zea mays]
Zm00001d004855	2E-07	2.02	up	putative actin family protein [Zea mays]
Zm00001d010627	6E-08	2.02	up	PREDICTED: protein LURP-one-related 8-like [Zea mays]
Zm00001d041965	5E-08	2.02	up	fb2 [Zea mays]
Zm00001d038299	4E-10	2.02	up	solute carrier family 35, member F1 [Zea mays]
Zm00001d031634	7E-10	2.02	up	PREDICTED: uncharacterized protein LOC103643013 [Zea mays]
Zm00001d018428	8E-10	2.02	up	PREDICTED: uncharacterized LOC100382510 isoform X2 [Zea mays]
Zm00001d042683	8E-10	2.02	up	TPA: POT family protein [Zea mays]
Zm00001d017249	2E-08	2.02	up	hypothetical protein [Zea mays]
Zm00001d032046	2E-07	2.02	up	cytokinin dehydrogenase 10 [Zea mays]
Zm00001d032115	0.0003	2.01	up	GDU1 [Zea mays]
Zm00001d044122	5E-10	2.01	up	NADPH-dependent reductase [Zea mays]
Zm00001d017547	5E-10	2.01	up	unknown [Zea mays]
Zm00001d052520	5E-07	2.01	up	uncharacterized protein LOC100304397 [Zea mays]
Zm00001d042883	2E-08	2.00	up	TPA: hypothetical protein ZEAMMB73_419928 [Zea mays]
Zm00001d021385	6E-10	2.00	up	PREDICTED: NADPH-cytochrome P450 reductase-like [Zea mays]
Zm00001d017526	6E-10	2.00	up	unknown [Zea mays]
Zm00001d046318	1E-08	2.00	up	PREDICTED: reticuline oxidase-like protein [Zea mays]
Zm00001d009556	1E-09	1.99	up	uncharacterized protein LOC100382308 [Zea mays]
Zm00001d004836	0.0008	1.99	up	TPA: hypothetical protein ZEAMMB73_875056 [Zea mays]
Zm00001d024213	6E-09	1.99	up	hypothetical protein SORBIDRAFT_07g004973 [Sorghum bicolor]
Zm00001d035337	2E-09	1.99	up	unknown [Zea mays]
Zm00001d052525	3E-09	1.99	up	putative calmodulin-binding family protein [Zea mays]
Zm00001d033091	1E-09	1.99	up	mpv17 / PMP22 family protein [Zea mays]
Zm00001d012591	1E-09	1.98	up	protein disulfide isomerase [Zea mays]
Zm00001d049731	4E-08	1.98	up	hypothetical protein ZEAMMB73_064922 [Zea mays]
Zm00001d032230	2E-09	1.98	up	LOC542156 [Zea mays]
Zm00001d000308	3E-07	1.98	up	PREDICTED: putative F-box/LRR-repeat protein 9 [Zea mays]
Zm00001d014198	2E-07	1.97	up	hypothetical protein SORBIDRAFT_01g022330 [Sorghum bicolor]
Zm00001d018472	0.0007	1.97	up	PREDICTED: uncharacterized LOC100383859 isoform X1 [Zea mays]
Zm00001d046887	5E-08	1.97	up	PREDICTED: uncharacterized protein LOC103638853 isoform X1 [Zea mays]
Zm00001d032606	2E-09	1.97	up	uncharacterized protein LOC100501330 [Zea mays]
Zm00001d009612	2E-08	1.97	up	hypothetical protein ZEAMMB73_228861 [Zea mays]
Zm00001d027536	3E-09	1.97	up	PREDICTED: probable serine acetyltransferase 2 [Zea mays]
Zm00001d021596	2E-09	1.97	up	adenosine 5'-phosphosulfate reductase-like1 [Zea mays]
Zm00001d034536	8E-09	1.97	up	PREDICTED: protein TIFY 10B-like, partial [Zea mays]
Zm00001d031426	0.0024	1.96	up	protein kinase [Zea mays]
Zm00001d043540	3E-09	1.96	up	hypothetical protein [Zea mays]
Zm00001d039142	1E-09	1.96	up	prenyl transferase [Zea mays]
Zm00001d005013	0.0038	1.96	up	PREDICTED: protein enabled homolog isoform X2 [Zea mays]
Zm00001d005032	2E-06	1.96	up	PREDICTED: cation/H(+) antiporter 15-like [Zea mays]
Zm00001d003015	2E-09	1.96	up	TPA: phenylalanine ammonia-lyase [Zea mays]
Zm00001d029461	5E-08	1.96	up	hypothetical protein [Zea mays]
Zm00001d016160	7E-08	1.95	up	PREDICTED: potassium channel KAT1-like [Zea mays]
Zm00001d016922	4E-06	1.95	up	uncharacterized protein LOC103627329 [Zea mays]
Zm00001d024265	4E-05	1.95	up	hypothetical protein SORBIDRAFT_06g015900 [Sorghum bicolor]
Zm00001d047726	7E-09	1.95	up	uncharacterized protein LOC100383011 precursor [Zea mays]
Zm00001d030086	5E-08	1.95	up	TPR domain protein [Zea mays]
Zm00001d048774	6E-09	1.95	up	hypothetical protein ZEAMMB73_382849 [Zea mays]
Zm00001d034586	5E-09	1.94	up	hypothetical protein [Zea mays]

Supplementary Table 4. Continued.

Zm00001d045370	1E-04	1.94	up	hypothetical protein [Zea mays]
Zm00001d017147	3E-09	1.94	up	LOC100284784 [Zea mays]
Zm00001d017666	6E-09	1.93	up	PREDICTED: protein NRT1/ PTR FAMILY 7.2-like [Zea mays]
Zm00001d025322	3E-09	1.93	up	PREDICTED: uncharacterized protein LOC100274745 isoform X2 [Zea mays]
Zm00001d043096	3E-08	1.93	up	hypothetical protein SORBIDRAFT_03g037890 [Sorghum bicolor]
Zm00001d037235	2E-05	1.93	up	PREDICTED: probable mannan synthase 3 isoform X1 [Zea mays]
Zm00001d027652	4E-09	1.93	up	aquaporin TIP1-1 [Zea mays]
Zm00001d028641	3E-05	1.92	up	unknown [Zea mays]
Zm00001d047855	2E-07	1.92	up	hypothetical protein ZEAMMB73_647797 [Zea mays]
Zm00001d038538	9E-05	1.92	up	hypothetical protein ZEAMMB73_741887 [Zea mays]
Zm00001d008600	4E-09	1.92	up	uncharacterized protein LOC100277683 [Zea mays]
Zm00001d005860	5E-05	1.92	up	TPA: hypothetical protein ZEAMMB73_629620 [Zea mays]
Zm00001d020610	3E-06	1.92	up	hypothetical protein [Zea mays]
Zm00001d028968	1E-08	1.92	up	PREDICTED: chaperone protein dnaJ 20, chloroplastic-like [Zea mays]
Zm00001d051501	6E-05	1.91	up	RING-H2 finger protein ATL1R [Zea mays]
Zm00001d041381	8E-05	1.91	up	PREDICTED: WD repeat-containing protein 86-like [Zea mays]
Zm00001d049786	8E-09	1.91	up	PREDICTED: auxin-induced in root cultures protein 12-like [Zea mays]
Zm00001d052063	8E-09	1.90	up	uncharacterized protein LOC100274249 [Zea mays]
Zm00001d050314	3E-07	1.90	up	TPA: putative casein kinase family protein [Zea mays]
Zm00001d051695	0.0002	1.90	up	aspartic proteinase nepenthesin-2 [Zea mays]
Zm00001d053740	3E-05	1.90	up	PREDICTED: uncharacterized protein LOC103654870 [Zea mays]
Zm00001d044763	9E-09	1.90	up	PREDICTED: anthranilate O-methyltransferase 3 [Zea mays]
Zm00001d039104	1E-08	1.89	up	hypothetical protein ZEAMMB73_465823 [Zea mays]
Zm00001d018210	1E-07	1.89	up	PREDICTED: uncharacterized protein LOC103627800 [Zea mays]
Zm00001d009178	4E-08	1.89	up	hypothetical protein precursor [Zea mays]
Zm00001d039940	2E-07	1.89	up	PREDICTED: shikimate O-hydroxycinnamoyltransferase-like [Zea mays]
Zm00001d017618	3E-05	1.89	up	hypothetical protein [Zea mays]
Zm00001d006198	1E-08	1.89	up	PREDICTED: uncharacterized protein LOC100193329 isoform X1 [Zea mays]
Zm00001d018966	3E-07	1.89	up	hypothetical protein precursor [Zea mays]
Zm00001d013532	1E-08	1.89	up	defense protein [Zea mays]
Zm00001d003924	9E-09	1.89	up	hypothetical protein [Zea mays]
Zm00001d039226	2E-05	1.88	up	PREDICTED: CDT1-like protein a, chloroplastic [Zea mays]
Zm00001d045476	6E-07	1.88	up	LOC100280578 [Zea mays]
Zm00001d048234	3E-08	1.88	up	hypothetical protein [Zea mays]
Zm00001d052401	5E-07	1.87	up	PREDICTED: type I inositol 1,4,5-trisphosphate 5-phosphatase CVP2-like [Zea mays]
Zm00001d017553	0.0002	1.87	up	PREDICTED: uncharacterized protein LOC103627530 [Zea mays]
Zm00001d020170	1E-08	1.87	up	PREDICTED: uncharacterized protein LOC100279247 isoform X1 [Zea mays]
Zm00001d053569	1E-08	1.87	up	uncharacterized protein LOC100279319 [Zea mays]
Zm00001d048203	1E-08	1.87	up	uncharacterized protein LOC100383559 [Zea mays]
Zm00001d008782	0.0045	1.87	up	hypothetical protein ZEAMMB73_719306 [Zea mays]
Zm00001d048731	1E-08	1.87	up	PREDICTED: LOW QUALITY PROTEIN: kinesin-like protein KIFC3 [Zea mays]
Zm00001d017401	1E-08	1.87	up	unknown [Zea mays]
Zm00001d018962	7E-08	1.86	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d009667	1E-05	1.86	up	hypothetical protein [Zea mays]
Zm00001d048949	0.0004	1.86	up	uncharacterized protein LOC100191593 precursor [Zea mays]
Zm00001d018746	0.0071	1.86	up	PREDICTED: protein IWS1 homolog isoform X2 [Zea mays]
Zm00001d049870	2E-06	1.85	up	putative HLH DNA-binding domain superfamily protein isoform 1 [Zea mays]
Zm00001d024598	4E-07	1.85	up	putative XH domain family protein [Zea mays]
Zm00001d001960	2E-08	1.85	up	TPA: flavanone 3-hydroxylase1 [Zea mays]
Zm00001d042104	6E-07	1.85	up	glutathione transferase7 [Zea mays]
Zm00001d012394	2E-08	1.85	up	phytoene synthase2 [Zea mays]
Zm00001d046679	2E-08	1.84	up	potassium transporter 10 [Zea mays]
Zm00001d044303	2E-08	1.84	up	TPA: hypothetical protein ZEAMMB73_629283 [Zea mays]
Zm00001d019060	9E-08	1.84	up	PREDICTED: probable 1-deoxy-D-xylulose-5-phosphate synthase 2, chloroplastic [Zea mays]
Zm00001d027946	0.0017	1.84	up	PREDICTED: agmatine coumaroyltransferase-1-like [Zea mays]
Zm00001d019450	6E-08	1.83	up	PREDICTED: subtilisin-like protease SBT5.3 isoform X1 [Zea mays]
Zm00001d049789	8E-06	1.83	up	PREDICTED: auxin-induced in root cultures protein 12-like [Zea mays]
Zm00001d044541	3E-08	1.83	up	TPA: hypothetical protein ZEAMMB73_742097 [Zea mays]
Zm00001d036137	5E-07	1.83	up	PREDICTED: LOC100283590 isoform X1 [Zea mays]
Zm00001d028164	3E-08	1.83	up	PREDICTED: low affinity sulfate transporter 3 [Zea mays]
Zm00001d009958	7E-08	1.83	up	unknown [Zea mays]
Zm00001d043283	1E-07	1.83	up	PREDICTED: inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2-like isoform X7 [Zea mays]
Zm00001d043418	4E-08	1.83	up	uncharacterized protein LOC100216671 [Zea mays]
Zm00001d041455	5E-08	1.82	up	homocysteine S-methyltransferase 3 [Zea mays]
Zm00001d043314	4E-08	1.82	up	mal d 1-associated protein [Zea mays]
Zm00001d013033	4E-08	1.82	up	uncharacterized protein LOC100277775 [Zea mays]
Zm00001d034189	1E-07	1.82	up	CASP-like protein 5C1 [Zea mays]
Zm00001d024314	5E-08	1.82	up	putative cinnamyl-alcohol dehydrogenase family protein [Zea mays]
Zm00001d012626	0.0076	1.82	up	PREDICTED: uncharacterized protein LOC103636596 [Zea mays]
Zm00001d040733	2E-07	1.81	up	TPA: hypothetical protein ZEAMMB73_818689 [Zea mays]
Zm00001d022132	7E-08	1.81	up	TPA: hypothetical protein ZEAMMB73_270893 [Zea mays]
Zm00001d016846	1E-06	1.81	up	PREDICTED: probable serine/threonine-protein kinase At1g54610 [Zea mays]
Zm00001d052961	0.0033	1.81	up	PREDICTED: protein ROOT HAIR DEFECTIVE 3 homolog 2-like isoform X1 [Zea mays]
Zm00001d037943	4E-06	1.81	up	putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d025967	9E-06	1.80	up	PREDICTED: uncharacterized protein LOC103641894 [Zea mays]
Zm00001d018407	0.0002	1.80	up	PREDICTED: uncharacterized protein LOC103627867 [Zea mays]
Zm00001d048258	8E-08	1.80	up	PREDICTED: phosphoinositide phosphatase SAC2-like isoform X1 [Zea mays]
Zm00001d009555	6E-08	1.80	up	PREDICTED: putative DUF1421 domain family protein isoform X2 [Zea mays]
Zm00001d027916	6E-08	1.80	up	PREDICTED: uncharacterized protein LOC100383869 isoform X1 [Zea mays]
Zm00001d005798	1E-07	1.80	up	ethylene response factor [Zea mays]
Zm00001d025948	7E-08	1.79	up	PREDICTED: elongation factor G-2, chloroplastic-like [Zea mays]
Zm00001d051916	8E-08	1.79	up	hypothetical protein ZEAMMB73_314837, partial [Zea mays]
Zm00001d031717	4E-05	1.79	up	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d010828	0.0024	1.79	up	triacylglycerol lipase [Zea mays]
Zm00001d002531	0.0008	1.79	up	PREDICTED: uncharacterized protein At4g15970-like [Zea mays]
Zm00001d011185	7E-05	1.79	up	protein transport protein Sec61 beta subunit [Zea mays]
Zm00001d037289	4E-07	1.78	up	PREDICTED: LOW QUALITY PROTEIN: potassium channel KOR1 [Zea mays]
Zm00001d028750	0.008	1.78	up	asparagine synthetase3 [Zea mays]
Zm00001d046281	2E-06	1.78	up	PREDICTED: uncharacterized protein LOC103638588 [Zea mays]
Zm00001d011079	0.0004	1.78	up	hypothetical protein [Zea mays]
Zm00001d023694	1E-07	1.78	up	uncharacterized protein LOC100191513 [Zea mays]
Zm00001d026337	1E-07	1.77	up	starch synthase IIb-1 [Zea mays]
Zm00001d022406	1E-07	1.77	up	TPA: hypothetical protein ZEAMMB73_491325 [Zea mays]
Zm00001d045026	1E-06	1.77	up	PREDICTED: auxin response factor 16 isoform X1 [Zea mays]
Zm00001d026634	9E-07	1.77	up	hypothetical protein [Zea mays]
Zm00001d003311	2E-06	1.77	up	uncharacterized protein LOC100272363 [Zea mays]
Zm00001d029443	1E-07	1.76	up	PREDICTED: 1-phosphatidylinositol-3-phosphate 5-kinase FAB1B-like [Zea mays]
Zm00001d048950	0.0005	1.76	up	PREDICTED: barwin-like [Zea mays]

Supplementary Table 4. Continued.

Zm00001d041853	6E-07	1.76	up	transcription factor MYB8 [Zea mays]
Zm00001d029011	2E-05	1.76	up	hypothetical protein [Zea mays]
Zm00001d002256	1E-07	1.76	up	starch synthase IIb-2 precursor [Zea mays]
Zm00001d037052	2E-07	1.76	up	putative ubiquitin-conjugating enzyme family [Zea mays]
Zm00001d019062	2E-07	1.75	up	PREDICTED: uncharacterized protein LOC100216710 isoform X1 [Zea mays]
Zm00001d048962	2E-07	1.75	up	uncharacterized protein LOC103652818 precursor [Zea mays]
Zm00001d044717	2E-07	1.74	up	PREDICTED: potassium channel KOR1-like isoform X1 [Zea mays]
Zm00001d045231	0.0005	1.74	up	MADS-domain transcription factor [Zea mays]
Zm00001d022161	2E-07	1.74	up	PREDICTED: uncharacterized protein LOC100304438 isoform X1 [Zea mays]
Zm00001d016166	2E-07	1.74	up	phosphoenolpyruvate carboxylase [Zea mays]
Zm00001d012254	0.0027	1.74	up	PREDICTED: patellin-3-like [Zea mays]
Zm00001d032253	6E-07	1.73	up	uncharacterized protein LOC100192520 [Zea mays]
Zm00001d002436	1E-06	1.73	up	alternative oxidase1 [Zea mays]
Zm00001d019669	4E-06	1.73	up	TPA: cinnamoyl-CoA reductase isoform 1 [Zea mays]
Zm00001d049995	3E-07	1.73	up	PREDICTED: nitrate reductase [NADH]-like [Zea mays]
Zm00001d050119	1E-05	1.72	up	activator of heat shock protein ATPase [Zea mays]
Zm00001d011904	3E-06	1.72	up	hypothetical protein [Zea mays]
Zm00001d032153	4E-07	1.72	up	uncharacterized protein LOC100276300 [Zea mays]
Zm00001d017817	0.0002	1.72	up	uncharacterized protein LOC100275400 [Zea mays]
Zm00001d042244	0.0001	1.72	up	PREDICTED: potassium ion uptake permease 1 isoform X1 [Zea mays]
Zm00001d029662	2E-06	1.72	up	TPA: catalytic/ hydrolase [Zea mays]
Zm00001d009016	4E-07	1.72	up	hypothetical protein [Zea mays]
Zm00001d043674	1E-06	1.72	up	TPA: CDA1 [Zea mays]
Zm00001d042444	0.0034	1.72	up	uncharacterized protein LOC100279018 [Zea mays]
Zm00001d034844	0.0087	1.72	up	hypothetical protein [Zea mays]
Zm00001d007753	2E-06	1.71	up	TPA: hypothetical protein ZEAMMB73_410724 [Zea mays]
Zm00001d007341	1E-06	1.71	up	LOC100281016 [Zea mays]
Zm00001d051403	5E-07	1.71	up	aquaporin PIP1-3/PIP1-4 [Zea mays]
Zm00001d018318	4E-07	1.71	up	PREDICTED: uncharacterized protein LOC103627832 isoform X1 [Zea mays]
Zm00001d008812	6E-06	1.71	up	PREDICTED: zinc finger CCH domain-containing protein 2-like [Zea mays]
GRMZM5G853409	0.0059	1.70	up	hypothetical protein ZeamMp006 [Zea mays subsp. mays]
Zm00001d031801	5E-07	1.70	up	PREDICTED: tuliposide A-converting enzyme 1, chloroplastic-like [Zea mays]
Zm00001d049987	2E-05	1.70	up	PREDICTED: probable potassium transporter 4 isoform X2 [Zea mays]
Zm00001d051553	0.0002	1.70	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d023311	6E-07	1.70	up	hypothetical protein SORBIDRAFT_08g002290 [Sorghum bicolor]
Zm00001d053266	0.0004	1.70	up	hypothetical protein ZEAMMB73_120382 [Zea mays]
Zm00001d039315	3E-06	1.70	up	PREDICTED: uncharacterized protein LOC103649551 [Zea mays]
Zm00001d008970	0.0016	1.70	up	PREDICTED: uncharacterized protein LOC100276107 isoform X1 [Zea mays]
Zm00001d013296	6E-07	1.69	up	uncharacterized protein LOC103625889 [Zea mays]
Zm00001d032536	6E-07	1.69	up	PREDICTED: uncharacterized protein LOC101765252 [Setaria italica]
Zm00001d042536	5E-07	1.69	up	fructokinase-1 [Zea mays]
Zm00001d017374	8E-05	1.69	up	uncharacterized LOC100216635 [Zea mays]
Zm00001d042835	0.0006	1.69	up	TPA: putative protein kinase superfamily protein [Zea mays]
Zm00001d051047	2E-06	1.69	up	hypothetical protein SORBIDRAFT_04g025660 [Sorghum bicolor]
Zm00001d002046	2E-05	1.69	up	PREDICTED: uncharacterized protein LOC100192858 isoform X1 [Zea mays]
Zm00001d005748	1E-06	1.69	up	TPA: putative CBL-interacting protein kinase family protein [Zea mays]
Zm00001d034524	6E-06	1.69	up	elongation factor P [Zea mays]
Zm00001d007085	6E-05	1.68	up	PREDICTED: rhythmically expressed protein isoform X1 [Zea mays]
Zm00001d015579	3E-06	1.68	up	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d030542	0.0022	1.68	up	PREDICTED: agmatine coumaroyltransferase-1-like [Zea mays]
Zm00001d049091	7E-07	1.68	up	uncharacterized protein LOC100191270 [Zea mays]
Zm00001d019527	3E-05	1.68	up	PREDICTED: LOC100281459 isoform X1 [Zea mays]
Zm00001d003359	0.0044	1.67	up	PREDICTED: pentatricopeptide repeat-containing protein At5g14770, mitochondrial-like [Zea mays]
Zm00001d010313	4E-05	1.67	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d017961	1E-05	1.67	up	PREDICTED: LOC100285189 isoform X1 [Zea mays]
Zm00001d016471	0.0011	1.67	up	unknown [Zea mays]
Zm00001d016105	9E-07	1.67	up	unknown [Zea mays]
Zm00001d034828	1E-06	1.66	up	PREDICTED: RNA binding S1 isoform X1 [Zea mays]
Zm00001d050428	1E-06	1.66	up	unknown [Zea mays]
Zm00001d018430	8E-05	1.66	up	hypothetical protein ZEAMMB73_359893 [Zea mays]
Zm00001d032152	1E-06	1.66	up	PREDICTED: cinnamoyl CoA reductase1 isoform X1 [Zea mays]
Zm00001d012590	1E-06	1.66	up	uncharacterized protein LOC100191282 [Zea mays]
Zm00001d048559	0.0018	1.66	up	glutathione transferase35 [Zea mays]
Zm00001d026360	2E-05	1.65	up	cyclin-dependent protein kinase [Zea mays]
Zm00001d053143	2E-06	1.65	up	PREDICTED: amino acid permease 3-like [Zea mays]
Zm00001d009745	1E-06	1.65	up	PREDICTED: uncharacterized protein LOC100279448 isoform X2 [Zea mays]
Zm00001d018452	2E-06	1.65	up	phloem-specific lectin [Zea mays]
Zm00001d049883	1E-06	1.65	up	pgr5 protein [Zea mays]
Zm00001d009917	5E-05	1.65	up	hypothetical protein ZEAMMB73_943568 [Zea mays]
Zm00001d006417	1E-05	1.64	up	hypothetical protein SORBIDRAFT_02g033780 [Sorghum bicolor]
Zm00001d007962	1E-05	1.64	up	myb-like DNA-binding domain, SHAQKYF class family protein [Zea mays]
Zm00001d048637	4E-06	1.64	up	PREDICTED: putative disease resistance RPP13-like protein 3 [Zea mays]
Zm00001d009891	0.0097	1.64	up	hypothetical protein [Zea mays]
Zm00001d042954	5E-05	1.64	up	hypothetical protein ZEAMMB73_313798 [Zea mays]
Zm00001d014716	2E-06	1.64	up	hypothetical protein ZEAMMB73_242683 [Zea mays]
Zm00001d016698	4E-06	1.63	up	PREDICTED: uncharacterized protein LOC100274851 isoform X1 [Zea mays]
Zm00001d035604	2E-05	1.63	up	PREDICTED: uncharacterized protein LOC100272853 isoform X1 [Zea mays]
Zm00001d043988	2E-06	1.63	up	PRm 3 precursor [Zea mays]
Zm00001d016444	0.0047	1.63	up	hypothetical protein [Zea mays]
Zm00001d047990	0.0003	1.63	up	PREDICTED: probable receptor-like serine/threonine-protein kinase At4g34500 [Zea mays]
Zm00001d005911	0.0003	1.63	up	PREDICTED: patatin-like protein 2 isoform X2 [Zea mays]
Zm00001d037680	0.0003	1.63	up	LOC100284565 precursor [Zea mays]
Zm00001d041792	0.0017	1.62	up	TPA: hypothetical protein ZEAMMB73_010443 [Zea mays]
Zm00001d033267	2E-06	1.62	up	TPA: putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d011459	7E-05	1.62	up	hypothetical protein [Zea mays]
Zm00001d041191	2E-06	1.62	up	hypothetical protein [Zea mays]
Zm00001d033304	0.0004	1.62	up	TPA: nucleotide binding protein [Zea mays]
Zm00001d016512	3E-06	1.62	up	peptidyl-prolyl isomerase [Zea mays]
Zm00001d008214	9E-06	1.61	up	uncharacterized protein LOC100272876 [Zea mays]
Zm00001d051018	3E-06	1.61	up	uncharacterized protein LOC100273793 [Zea mays]
Zm00001d021413	3E-06	1.61	up	putative auxin efflux carrier-like protein PINX [Zea mays]
Zm00001d026334	3E-06	1.61	up	PREDICTED: probable polyamine oxidase 2 [Zea mays]
Zm00001d052334	0.0018	1.61	up	PREDICTED: flocculation protein FLO11-like [Zea mays]
Zm00001d042872	0.0013	1.61	up	PREDICTED: CASP-like protein 14 isoform X1 [Zea mays]
Zm00001d007597	7E-06	1.61	up	hypothetical protein [Zea mays]
Zm00001d041824	3E-06	1.61	up	TPA: hypothetical protein ZEAMMB73_184948 [Zea mays]
Zm00001d030038	8E-05	1.61	up	TPA: putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d027454	2E-05	1.60	up	TPA: hypothetical protein ZEAMMB73_644294 [Zea mays]

Supplementary Table 4. Continued.

Zm00001d023337	4E-06	1.60	up	PREDICTED: uncharacterized protein LOC100383155 isoform X4 [Zea mays]
Zm00001d004930	3E-06	1.60	up	uncharacterized protein LOC100193080 [Zea mays]
Zm00001d053177	3E-06	1.60	up	LOC100283878 [Zea mays]
Zm00001d013530	1E-05	1.60	up	PREDICTED: nucleolin 1-like [Zea mays]
Zm00001d040567	4E-06	1.60	up	PREDICTED: putative protein kinase isoform X1 [Zea mays]
Zm00001d040726	4E-05	1.60	up	unknown [Zea mays]
Zm00001d016009	0.0024	1.60	up	putative lectin-like receptor protein kinase family protein [Zea mays]
Zm00001d042921	3E-05	1.60	up	SLT1 protein [Zea mays]
Zm00001d042780	0.0037	1.59	up	uncharacterized protein LOC100193753 precursor [Zea mays]
Zm00001d030285	7E-05	1.59	up	PREDICTED: lysosomal alpha-mannosidase-like [Zea mays]
Zm00001d010725	0.0005	1.59	up	hypothetical protein ZEAMMB73_738649 [Zea mays]
Zm00001d002239	0.0045	1.58	up	unknown [Zea mays]
Zm00001d044421	4E-05	1.58	up	LOC100282631 [Zea mays]
Zm00001d022529	2E-05	1.58	up	PREDICTED: monoacylglycerol lipase abhd6-A [Zea mays]
Zm00001d043117	8E-06	1.58	up	putative bZIP transcription factor superfamily protein isoform 1 [Zea mays]
Zm00001d013162	0.0087	1.57	up	PREDICTED: leucine-rich repeat receptor-like serine/threonine-protein kinase BAM1 [Zea mays]
Zm00001d007571	3E-05	1.57	up	PREDICTED: probable galacturonosyltransferase 4 [Zea mays]
Zm00001d014150	6E-06	1.57	up	starch synthase IIc [Zea mays]
Zm00001d025847	6E-06	1.57	up	beta-glucosidase precursor [Zea mays]
Zm00001d013111	6E-06	1.57	up	putative dnaJ chaperone family protein [Zea mays]
Zm00001d046952	1E-05	1.57	up	metallopeptidase precursor [Zea mays]
Zm00001d049135	6E-06	1.57	up	putative bZIP transcription factor superfamily protein [Zea mays]
Zm00001d042148	9E-06	1.57	up	cytokinin oxidase 2 precursor [Zea mays]
Zm00001d048469	0.0009	1.57	up	beta-carotene hydroxylase [Zea mays]
Zm00001d028389	0.0012	1.56	up	unknown [Zea mays]
Zm00001d038067	0.0064	1.56	up	PREDICTED: ATPase WRNIP1-like [Zea mays]
Zm00001d042481	7E-06	1.56	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d033575	1E-05	1.56	up	PREDICTED: uncharacterized protein LOC103643836 [Zea mays]
Zm00001d034760	9E-06	1.55	up	ferredoxin-3, chloroplastic precursor [Zea mays]
Zm00001d039650	0.0003	1.55	up	PREDICTED: putative cytochrome P450 superfamily protein isoform X1 [Zea mays]
Zm00001d003020	0.0006	1.55	up	PREDICTED: uncharacterized protein LOC103646215 [Zea mays]
Zm00001d001943	0.0041	1.55	up	beta-fructofuranosidase, insoluble isoenzyme 7 [Zea mays]
Zm00001d042869	1E-05	1.55	up	aldo-keto reductase family 1, member B1 [Zea mays]
Zm00001d017069	1E-05	1.55	up	hypothetical protein [Zea mays]
Zm00001d038205	1E-05	1.55	up	barley mlo defense gene homolog8 [Zea mays]
Zm00001d023713	1E-05	1.55	up	PREDICTED: photosystem I reaction center subunit N, chloroplastic-like [Zea mays]
Zm00001d011297	2E-05	1.55	up	PREDICTED: uncharacterized protein LOC100194332 isoform X3 [Zea mays]
Zm00001d012512	0.0065	1.55	up	uncharacterized protein LOC100384715 [Zea mays]
Zm00001d040477	1E-05	1.54	up	TPA: cyclin-like F-box [Zea mays]
Zm00001d044535	0.0004	1.54	up	PREDICTED: uncharacterized protein LOC100278497 isoform X1 [Zea mays]
Zm00001d023294	8E-05	1.54	up	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d026387	3E-05	1.54	up	PREDICTED: uncharacterized protein LOC103642096 isoform X1 [Zea mays]
Zm00001d022493	2E-05	1.54	up	PREDICTED: uncharacterized protein LOC100280204 isoform X1 [Zea mays]
Zm00001d035098	5E-05	1.54	up	hypothetical protein [Zea mays]
Zm00001d009503	1E-05	1.53	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d013415	0.0002	1.53	up	PREDICTED: probable receptor protein kinase TMK1 [Zea mays]
Zm00001d018983	1E-05	1.53	up	PREDICTED: uncharacterized protein LOC100383268 isoform X1 [Zea mays]
Zm00001d052038	0.0004	1.53	up	PREDICTED: transcription factor bHLH66-like [Zea mays]
Zm00001d044061	0.0001	1.53	up	TPA: F-box domain containing protein [Zea mays]
Zm00001d045565	0.0002	1.53	up	hypothetical protein ZEAMMB73_848919 [Zea mays]
Zm00001d043263	8E-05	1.53	up	PREDICTED: uncharacterized protein LOC100384658 isoform X1 [Zea mays]
Zm00001d052269	0.0003	1.53	up	PREDICTED: auxin efflux carrier component 1-like [Zea mays]
Zm00001d039176	0.0038	1.53	up	putative protein kinase superfamily protein [Zea mays]
Zm00001d032024	4E-05	1.53	up	PREDICTED: myb-related protein Zm38 [Zea mays]
Zm00001d029053	3E-05	1.53	up	PREDICTED: uncharacterized protein LOC100383379 isoform X1 [Zea mays]
Zm00001d032554	2E-05	1.52	up	PREDICTED: uncharacterized protein LOC100217156 isoform X1 [Zea mays]
Zm00001d028295	9E-05	1.52	up	TPA: hypothetical protein ZEAMMB73_869141 [Zea mays]
Zm00001d006286	2E-05	1.52	up	TPA: hypothetical protein ZEAMMB73_156394 [Zea mays]
Zm00001d031338	2E-05	1.52	up	unknown [Zea mays]
Zm00001d011422	2E-05	1.52	up	PREDICTED: cytochrome P450 72A15-like [Zea mays]
Zm00001d024937	2E-05	1.52	up	putative protein of unknown function (DUF594) domain family protein [Zea mays]
Zm00001d006354	0.0001	1.51	up	PREDICTED: uncharacterized protein LOC100275416 isoform X1 [Zea mays]
Zm00001d047994	2E-05	1.51	up	inositol-tetrakisphosphate 1-kinase 3 [Zea mays]
Zm00001d029997	0.0015	1.51	up	CHL-CPN10 isoform 1 [Zea mays]
Zm00001d030766	2E-05	1.51	up	PREDICTED: uncharacterized protein LOC103640107 [Zea mays]
Zm00001d031993	0.0001	1.51	up	PREDICTED: probable rhamnogalacturonate lyase B isoform X1 [Zea mays]
Zm00001d024996	0.0003	1.51	up	putative Bowman-Birk serine protease inhibitor precursor [Zea mays]
Zm00001d034839	2E-05	1.51	up	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d032148	2E-05	1.51	up	anthranilate N-benzoyltransferase protein 1 [Zea mays]
Zm00001d035975	2E-05	1.50	up	LOC100282679 [Zea mays]
Zm00001d000204	2E-05	1.50	up	sulfate transporter 3.4 [Zea mays]
Zm00001d033167	3E-05	1.50	up	TPA: hypothetical protein ZEAMMB73_737306 [Zea mays]
Zm00001d049748	3E-05	1.50	up	uncharacterized protein LOC100275536 [Zea mays]
Zm00001d024323	0.0029	1.50	up	PREDICTED: probable WRKY transcription factor 3 isoform X1 [Zea mays]
Zm00001d039141	2E-05	1.50	up	unknown [Zea mays]
Zm00001d029143	0.0004	-1.50	down	transposon protein [Zea mays]
Zm00001d030993	3E-05	-1.50	down	PREDICTED: uncharacterized protein LOC100384587 isoform X3 [Zea mays]
Zm00001d014178	3E-05	-1.50	down	PREDICTED: LOC100281428 isoform X2 [Zea mays]
Zm00001d032457	4E-05	-1.50	down	protein kinase domain containing protein [Zea mays]
Zm00001d050768	0.003	-1.50	down	unknown [Zea mays]
Zm00001d017522	3E-05	-1.50	down	PREDICTED: tripeptidyl-peptidase 2 isoform X1 [Zea mays]
Zm00001d005594	8E-05	-1.51	down	sugar transport protein 14 [Zea mays]
Zm00001d013804	8E-05	-1.51	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d053554	0.0046	-1.51	down	uncharacterized protein LOC100191769 precursor [Zea mays]
Zm00001d041748	2E-05	-1.51	down	TPA: hypothetical protein ZEAMMB73_920287 [Zea mays]
Zm00001d013798	2E-05	-1.51	down	PREDICTED: uncharacterized protein LOC100193317 isoform X4 [Zea mays]
Zm00001d041578	2E-05	-1.51	down	PREDICTED: uncharacterized protein LOC103650536 [Zea mays]
Zm00001d044443	2E-05	-1.51	down	PREDICTED: pleiotropic drug resistance protein 4-like isoform X1 [Zea mays]
Zm00001d013638	0.0001	-1.51	down	PREDICTED: cation/calcium exchanger 1-like [Zea mays]
Zm00001d049055	0.0012	-1.52	down	serine carboxypeptidase F13S12.6 [Zea mays]
Zm00001d030832	3E-05	-1.52	down	unknown [Zea mays]
Zm00001d018799	2E-05	-1.52	down	unknown [Zea mays]
Zm00001d030108	2E-05	-1.52	down	hypothetical protein SORBIDRAFT_01g027940 [Sorghum bicolor]
Zm00001d007936	2E-05	-1.52	down	pyridoxin biosynthesis protein ER1 [Zea mays]
Zm00001d047324	0.0058	-1.52	down	hypothetical protein ZEAMMB73_352064 [Zea mays]
Zm00001d012472	0.0002	-1.52	down	hypothetical protein ZEAMMB73_296656 [Zea mays]
Zm00001d044388	3E-05	-1.52	down	uncharacterized protein LOC100279583 [Zea mays]
Zm00001d046986	0.0039	-1.52	down	SAUR25 - auxin-responsive SAUR family member [Zea mays]

Supplementary Table 4. Continued.

Zm00001d017457	1E-05	-1.52	down	unknown [Zea mays]
Zm00001d027436	2E-05	-1.52	down	uncharacterized LOC100383535 precursor [Zea mays]
Zm00001d043444	0.0031	-1.53	down	uncharacterized protein LOC100193809 [Zea mays]
Zm00001d011838	3E-05	-1.53	down	uncharacterized protein LOC100274449 [Zea mays]
Zm00001d030290	0.0027	-1.53	down	hypothetical protein [Zea mays]
Zm00001d049594	0.0005	-1.53	down	PREDICTED: phospholipase A1-lbta2, chloroplastic-like [Zea mays]
Zm00001d003048	8E-05	-1.53	down	PREDICTED: disease resistance protein RPS2-like isoform X1 [Zea mays]
Zm00001d039279	0.0022	-1.53	down	TPA: harpin-induced protein [Zea mays]
Zm00001d011471	3E-05	-1.53	down	hypothetical protein ZEAMMB73_806603 [Zea mays]
Zm00001d032532	2E-05	-1.53	down	uncharacterized protein LOC100193466 [Zea mays]
Zm00001d032495	3E-05	-1.53	down	TPA: hypothetical protein ZEAMMB73_629316 [Zea mays]
Zm00001d048709	1E-05	-1.53	down	benzoxazinless1 [Zea mays]
Zm00001d016219	0.0012	-1.53	down	PREDICTED: receptor-like protein 12 isoform X1 [Zea mays]
Zm00001d042182	2E-05	-1.54	down	PREDICTED: neurofilament medium polypeptide-like [Zea mays]
Zm00001d027499	1E-05	-1.54	down	acyl-activating enzyme 11 [Zea mays]
Zm00001d022102	8E-05	-1.54	down	uncharacterized protein LOC100275782 [Zea mays]
Zm00001d024531	2E-05	-1.54	down	PREDICTED: probable mixed-linked glucan synthase 6 [Zea mays]
Zm00001d028172	1E-05	-1.54	down	PREDICTED: polyamine oxidase-like isoform X1 [Zea mays]
Zm00001d012929	0.0001	-1.54	down	putative protein kinase domain superfamily protein [Zea mays]
Zm00001d021069	0.0015	-1.54	down	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d011562	4E-05	-1.54	down	PREDICTED: chromatin modification-related protein eaf-1-like isoform X2 [Zea mays]
Zm00001d023950	0.0013	-1.54	down	PREDICTED: glucuronoxylan 4-O-methyltransferase 1 isoform X2 [Zea mays]
Zm00001d031555	0.001	-1.55	down	membrane protein [Zea mays]
Zm00001d048945	3E-05	-1.55	down	unknown [Zea mays]
Zm00001d008983	0.0036	-1.55	down	PREDICTED: uncharacterized protein LOC103634999 [Zea mays]
Zm00001d037009	3E-05	-1.55	down	putative FAD-binding Berberine family protein precursor [Zea mays]
Zm00001d044435	0.0025	-1.55	down	PREDICTED: uncharacterized protein LOC103651591 [Zea mays]
Zm00001d006629	2E-05	-1.55	down	putative mitochondrial transcription termination factor family protein isoform 1 [Zea mays]
Zm00001d017203	9E-06	-1.55	down	regulatory subunit [Zea mays]
Zm00001d007417	9E-06	-1.55	down	PREDICTED: uncharacterized protein LOC103648038 [Zea mays]
Zm00001d021736	9E-06	-1.55	down	CSLF3 - cellulose synthase-like family F; beta1.3;1.4 glucan synthase [Zea mays]
Zm00001d017849	3E-05	-1.55	down	PREDICTED: uncharacterized protein LOC103627656 [Zea mays]
Zm00001d031050	8E-06	-1.56	down	PREDICTED: uncharacterized protein LOC100501766 isoform X1 [Zea mays]
Zm00001d020017	3E-05	-1.56	down	PREDICTED: subtilisin-like protease [Zea mays]
Zm00001d028073	0.0082	-1.56	down	uncharacterized protein LOC100382795 [Zea mays]
Zm00001d014055	7E-06	-1.56	down	uncharacterized protein LOC100280261 [Zea mays]
Zm00001d012666	0.0027	-1.56	down	PREDICTED: probable xyloglucan glycosyltransferase 1 [Zea mays]
Zm00001d015884	0.0019	-1.56	down	putative lysM-domain receptor-like protein kinase family protein [Zea mays]
Zm00001d044547	0.0015	-1.57	down	PREDICTED: pentatricopeptide repeat-containing protein At4g39530 [Zea mays]
Zm00001d039859	0.0006	-1.57	down	TPA: putative metallothionein famil protein, partial [Zea mays]
Zm00001d020926	8E-06	-1.57	down	LOC100127541 [Zea mays]
Zm00001d013392	0.0004	-1.57	down	PREDICTED: probable histone H2AXa [Zea mays]
Zm00001d051807	8E-05	-1.57	down	PREDICTED: putative pentatricopeptide repeat-containing protein At1g69350, mitochondrial [Zea mays]
Zm00001d023995	7E-06	-1.57	down	PREDICTED: uncharacterized protein LOC103642374 [Zea mays]
Zm00001d031290	2E-05	-1.57	down	unknown [Zea mays]
Zm00001d000402	0.0001	-1.57	down	PREDICTED: plectin-like isoform X2 [Zea mays]
Zm00001d006002	2E-05	-1.57	down	PREDICTED: uncharacterized protein LOC103647530 [Zea mays]
Zm00001d024934	0.0002	-1.57	down	PREDICTED: uncharacterized protein LOC100383623 isoform X1 [Zea mays]
Zm00001d020554	0.0006	-1.58	down	TPA: hypothetical protein ZEAMMB73_442579 [Zea mays]
Zm00001d022065	0.0008	-1.58	down	hypothetical protein [Zea mays]
Zm00001d033649	5E-06	-1.58	down	uncharacterized protein LOC100274288 precursor [Zea mays]
Zm00001d007604	0.0033	-1.58	down	TPA: patatin T5 [Zea mays]
Zm00001d043168	9E-06	-1.58	down	unknown [Zea mays]
Zm00001d051908	6E-06	-1.58	down	LOC100282160 [Zea mays]
Zm00001d042365	0.0079	-1.58	down	PREDICTED: uncharacterized protein LOC100277337 isoform X1 [Zea mays]
Zm00001d047269	5E-05	-1.58	down	EARLY flowering 4 protein [Zea mays]
Zm00001d019750	3E-05	-1.58	down	uncharacterized protein LOC100279462 [Zea mays]
Zm00001d020402	7E-06	-1.58	down	putative cinnamyl-alcohol dehydrogenase family protein [Zea mays]
Zm00001d025917	0.0003	-1.58	down	PREDICTED: probable galacturonosyltransferase-like 3 [Zea mays]
Zm00001d045657	3E-05	-1.58	down	nudix hydrolase 4 [Zea mays]
Zm00001d031454	1E-05	-1.58	down	TPA: putative DNA-binding bromodomain-containing family protein [Zea mays]
Zm00001d048053	4E-05	-1.59	down	putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d045042	5E-06	-1.59	down	PREDICTED: sucrose synthase 1 isoform X1 [Zea mays]
Zm00001d039156	6E-06	-1.59	down	PREDICTED: protein EARLY FLOWERING 3-like [Zea mays]
Zm00001d037777	5E-06	-1.59	down	LOC100285951 [Zea mays]
Zm00001d002565	5E-05	-1.59	down	TPA: putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d007383	7E-06	-1.59	down	TPA: alpha-mannosidase [Zea mays]
Zm00001d042443	1E-05	-1.59	down	hypothetical protein [Zea mays]
Zm00001d027471	4E-05	-1.59	down	uncharacterized protein LOC100383093 precursor [Zea mays]
Zm00001d016844	0.0019	-1.59	down	PREDICTED: zeaxanthin epoxidase, chloroplastic-like isoform X3 [Zea mays]
Zm00001d040775	3E-05	-1.59	down	hypothetical protein [Zea mays]
Zm00001d032204	0.0001	-1.59	down	unknown [Zea mays]
Zm00001d044566	3E-05	-1.59	down	PREDICTED: callose synthase 7-like [Zea mays]
Zm00001d018652	4E-06	-1.59	down	PREDICTED: flavin-containing monooxygenase FMO GS-OX-like 8 [Zea mays]
Zm00001d043558	0.0032	-1.60	down	PREDICTED: uncharacterized protein LOC100276838 [Zea mays]
Zm00001d043146	4E-06	-1.60	down	ribonuclease III domain protein1 [Zea mays]
Zm00001d018935	0.0005	-1.60	down	PREDICTED: serine/threonine-protein kinase Nek3-like isoform X1 [Zea mays]
Zm00001d003110	0.0042	-1.60	down	PREDICTED: uncharacterized protein LOC100382341 isoform X1 [Zea mays]
Zm00001d006161	0.0002	-1.60	down	PREDICTED: alpha-L-fucosidase 1-like [Zea mays]
Zm00001d012015	3E-05	-1.60	down	squamosa promoter-binding protein-like (SBP domain) transcription factor family protein, partial [Zea mays]
Zm00001d010812	0.0002	-1.60	down	PREDICTED: heat stress transcription factor A-4d-like [Zea mays]
Zm00001d014608	9E-06	-1.60	down	unknown [Zea mays]
Zm00001d009568	0.009	-1.60	down	Grx_S2 - glutaredoxin subgroup III [Zea mays]
Zm00001d036241	0.009	-1.60	down	hypothetical protein precursor [Zea mays]
Zm00001d021839	3E-06	-1.60	down	PREDICTED: LOC100284456 isoform X1 [Zea mays]
Zm00001d013109	8E-06	-1.60	down	unknown [Zea mays]
Zm00001d040519	1E-05	-1.60	down	rhicadhesin receptor precursor [Zea mays]
Zm00001d034313	8E-05	-1.60	down	TPA: seed maturation protein [Zea mays]
Zm00001d051684	3E-06	-1.61	down	uncharacterized protein LOC100193195 [Zea mays]
Zm00001d043766	0.0021	-1.61	down	PREDICTED: ABC transporter B family member 5-like [Zea mays]
Zm00001d008285	0.0023	-1.61	down	PQ loop repeat family protein [Zea mays]
Zm00001d014998	0.0023	-1.61	down	FACT complex subunit SPT16 [Zea mays]
Zm00001d044382	0.0006	-1.61	down	PREDICTED: probable esterase KAI2 [Zea mays]
Zm00001d044599	4E-06	-1.61	down	blue-light receptor phototropin 1 [Zea mays]
Zm00001d001849	4E-06	-1.61	down	PREDICTED: probable acyl-activating enzyme 5, peroxisomal [Zea mays]
Zm00001d042281	4E-05	-1.61	down	TPA: secondary cell wall glycosyltransferase family 47 [Zea mays]
Zm00001d030821	1E-05	-1.61	down	PREDICTED: achilleol B synthase-like isoform X5 [Zea mays]
Zm00001d031866	0.0009	-1.61	down	uncharacterized LOC100279361 precursor [Zea mays]

Supplementary Table 4. Continued.

Zm00001d002592	3E-05	-1.61	down	PREDICTED: 1-aminocyclopropane-1-carboxylate synthase-like [Zea mays]
Zm00001d013118	2E-05	-1.62	down	hypothetical protein [Zea mays]
Zm00001d028689	0.0011	-1.62	down	TPA: ATPase, coupled to transmembrane movement of substance [Zea mays]
Zm00001d022130	1E-05	-1.62	down	uncharacterized protein LOC100276535 [Zea mays]
Zm00001d006107	4E-06	-1.62	down	pyruvate dehydrogenase E1 beta subunit isoform 2 [Zea mays]
Zm00001d053120	0.0017	-1.62	down	putative lysM-domain receptor-like protein kinase family protein [Zea mays]
Zm00001d045965	6E-05	-1.62	down	unknown [Zea mays]
Zm00001d022614	0.0087	-1.62	down	PREDICTED: nucleosome/chromatin assembly factor 104 isoform X1 [Zea mays]
Zm00001d045124	5E-06	-1.63	down	PREDICTED: uncharacterized protein LOC103637988 isoform X2 [Zea mays]
Zm00001d044065	3E-05	-1.63	down	PREDICTED: DELLA protein SLN1-like [Zea mays]
Zm00001d034852	2E-06	-1.63	down	integral membrane protein [Zea mays]
Zm00001d038196	1E-05	-1.63	down	PREDICTED: beta-hexosaminidase 3 isoform X1 [Zea mays]
Zm00001d043043	2E-05	-1.63	down	PREDICTED: U-box domain-containing protein 16-like [Zea mays]
Zm00001d048021	2E-06	-1.63	down	unknown [Zea mays]
Zm00001d006630	2E-05	-1.63	down	TPA: chalcone isomerase [Zea mays]
Zm00001d021639	4E-05	-1.63	down	TPA: putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d046923	2E-06	-1.63	down	unknown [Zea mays]
Zm00001d048165	2E-06	-1.63	down	unknown [Zea mays]
Zm00001d020628	8E-06	-1.63	down	PREDICTED: cytochrome P450 71A1-like [Zea mays]
Zm00001d032748	2E-06	-1.63	down	PREDICTED: nucleolin 2-like isoform X1 [Setaria italica]
Zm00001d023611	0.0012	-1.63	down	putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d033317	2E-06	-1.63	down	unknown [Zea mays]
Zm00001d011569	2E-06	-1.63	down	hypothetical protein ZEAMMB73_743806 [Zea mays]
Zm00001d048499	2E-06	-1.63	down	PREDICTED: UDP-galactose/UDP-glucose transporter 2-like [Zea mays]
Zm00001d049133	0.0006	-1.63	down	uncharacterized protein LOC100276325 [Zea mays]
Zm00001d007216	0.0006	-1.64	down	hypothetical protein [Zea mays]
Zm00001d038250	2E-06	-1.64	down	dnaJ protein [Zea mays]
Zm00001d052318	0.0002	-1.64	down	PREDICTED: protein trichome birefringence-like 34 [Zea mays]
Zm00001d006193	2E-06	-1.64	down	TPA: putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d043562	0.0019	-1.64	down	hypothetical protein SORBIDRAFT_03g034040 [Sorghum bicolor]
Zm00001d024382	0.0008	-1.64	down	unknown [Zea mays]
Zm00001d030661	0.006	-1.64	down	PREDICTED: uncharacterized protein LOC103639593 [Zea mays]
Zm00001d050694	3E-06	-1.64	down	PREDICTED: histidine decarboxylase-like [Zea mays]
Zm00001d001812	2E-06	-1.64	down	rubisco accumulation factor 1, chloroplastic [Zea mays]
Zm00001d015164	8E-05	-1.65	down	PREDICTED: cyclin-T1-1-like [Zea mays]
Zm00001d002069	2E-05	-1.65	down	PREDICTED: uncharacterized protein LOC100303866 [Zea mays]
Zm00001d052795	0.0031	-1.65	down	PREDICTED: WEB family protein At3g02930, chloroplastic-like isoform X2 [Zea mays]
Zm00001d038605	0.01	-1.65	down	hypothetical protein ZEAMMB73_712075 [Zea mays]
Zm00001d025541	3E-06	-1.65	down	PREDICTED: aspartic proteinase nepenthesin-1 [Zea mays]
Zm00001d047425	0.0002	-1.65	down	hypothetical protein SORBIDRAFT_01g034470 [Sorghum bicolor]
Zm00001d007864	0.0004	-1.65	down	uncharacterized protein LOC100277738 [Zea mays]
Zm00001d027581	1E-06	-1.66	down	TPA: hypothetical protein ZEAMMB73_977164 [Zea mays]
Zm00001d036541	1E-06	-1.66	down	unknown [Zea mays]
Zm00001d047796	1E-06	-1.66	down	RHM1 [Zea mays]
Zm00001d032485	1E-06	-1.66	down	uncharacterized protein LOC100275668 [Zea mays]
Zm00001d039711	1E-05	-1.66	down	hypothetical protein SORBIDRAFT_03g004680 [Sorghum bicolor]
Zm00001d044604	1E-06	-1.66	down	uncharacterized LOC100193199 [Zea mays]
Zm00001d019957	1E-05	-1.66	down	hypothetical protein SORBIDRAFT_02g020270 [Sorghum bicolor]
Zm00001d041511	8E-06	-1.67	down	PREDICTED: uncharacterized protein LOC100192026 isoform X2 [Zea mays]
Zm00001d012312	2E-06	-1.67	down	undecaprenyl pyrophosphate synthetase [Zea mays]
Zm00001d019269	4E-05	-1.67	down	hypothetical protein [Zea mays]
Zm00001d021896	0.0026	-1.67	down	PREDICTED: L-type lectin-domain containing receptor kinase IV.1-like [Zea mays]
Zm00001d013003	9E-07	-1.67	down	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d002053	2E-06	-1.67	down	PREDICTED: small RNA degrading nuclease 1-like [Zea mays]
Zm00001d040905	0.0004	-1.67	down	PREDICTED: uncharacterized protein LOC103650226 [Zea mays]
Zm00001d018537	0.0029	-1.67	down	PREDICTED: pentatricopeptide repeat-containing protein At3g62890-like [Zea mays]
Zm00001d050320	0.0034	-1.68	down	hypothetical protein [Zea mays]
Zm00001d002630	2E-06	-1.68	down	LOC100281279 [Zea mays]
Zm00001d026243	6E-07	-1.69	down	uncharacterized protein LOC100192474 [Zea mays]
Zm00001d044802	4E-06	-1.69	down	PREDICTED: rho-related protein from plants 5 isoform X1 [Zea mays]
Zm00001d035392	3E-06	-1.69	down	hypothetical protein OsJ_05323 [Oryza sativa Japonica Group]
Zm00001d009404	4E-06	-1.69	down	PREDICTED: uncharacterized protein LOC100193653 isoform X1 [Zea mays]
Zm00001d039338	5E-06	-1.69	down	unknown [Zea mays]
Zm00001d038334	8E-07	-1.70	down	hypothetical protein ZEAMMB73_551902 [Zea mays]
Zm00001d017079	1E-05	-1.70	down	unknown [Zea mays]
Zm00001d007485	0.0002	-1.70	down	PREDICTED: leucine-rich repeat receptor-like protein kinase PEPR1 [Zea mays]
Zm00001d052492	5E-05	-1.70	down	uncharacterized protein LOC100192114 precursor [Zea mays]
Zm00001d025864	0.0006	-1.70	down	MYB transcription factor [Zea mays]
Zm00001d037095	0.0006	-1.70	down	PREDICTED: RING-H2 finger protein ATL3-like [Zea mays]
Zm00001d028432	0.0076	-1.70	down	nuclear transcription factor Y subunit C-1 [Zea mays]
Zm00001d031738	5E-07	-1.70	down	TPA: hypothetical protein ZEAMMB73_352594 [Zea mays]
Zm00001d007319	1E-06	-1.70	down	PREDICTED: putative subtilase family protein isoform X1 [Zea mays]
Zm00001d022518	0.0037	-1.70	down	unknown [Zea mays]
Zm00001d003533	4E-07	-1.70	down	tassel seed1 [Zea mays]
Zm00001d014938	0.002	-1.71	down	PREDICTED: uncharacterized protein LOC100273304 isoform X1 [Zea mays]
Zm00001d009707	1E-05	-1.71	down	PREDICTED: probable protein ABIL4 [Zea mays]
Zm00001d050635	7E-07	-1.71	down	PREDICTED: peptidyl-prolyl cis-trans isomerase-like [Zea mays]
Zm00001d028118	2E-05	-1.71	down	hypothetical protein [Zea mays]
Zm00001d013425	4E-06	-1.71	down	PREDICTED: uncharacterized protein LOC103625946 [Zea mays]
Zm00001d029809	2E-06	-1.71	down	TPA: hypothetical protein ZEAMMB73_549935 [Zea mays]
Zm00001d000424	8E-07	-1.71	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d035455	5E-07	-1.71	down	hypothetical protein SORBIDRAFT_09g002390 [Sorghum bicolor]
Zm00001d011468	0.0023	-1.71	down	uncharacterized protein LOC100277199 precursor [Zea mays]
Zm00001d023529	5E-07	-1.72	down	unknown [Zea mays]
Zm00001d003025	0.0003	-1.73	down	hypothetical protein [Zea mays]
Zm00001d010802	2E-05	-1.73	down	hypothetical protein ZEAMMB73_208254 [Zea mays]
Zm00001d029031	0.0018	-1.73	down	PREDICTED: cytochrome P450 714B3 isoform X1 [Zea mays]
Zm00001d038321	5E-05	-1.73	down	unknown [Zea mays]
Zm00001d010171	2E-06	-1.73	down	soluble inorganic pyrophosphatase [Zea mays]
Zm00001d009606	0.0012	-1.73	down	PREDICTED: uncharacterized protein LOC103635344 isoform X1 [Zea mays]
Zm00001d047694	7E-06	-1.73	down	glycosyltransferase 5 [Zea mays]
Zm00001d009743	4E-07	-1.73	down	pentatricopeptide repeat (PPR) superfamily protein [Zea mays]
Zm00001d041769	1E-06	-1.73	down	unknown [Zea mays]
Zm00001d043293	2E-05	-1.74	down	PREDICTED: cytokinin dehydrogenase 4 isoform X1 [Zea mays]
Zm00001d024723	5E-07	-1.74	down	uncharacterized protein LOC100279270 [Zea mays]
Zm00001d043911	3E-07	-1.74	down	fiber protein Fb2 [Zea mays]
Zm00001d014659	3E-07	-1.74	down	macrophage migration inhibitory factor [Zea mays]
Zm00001d009118	5E-06	-1.74	down	universal stress protein [Zea mays]

Supplementary Table 4. Continued.

Zm00001d021835	2E-07	-1.75	down	PREDICTED: calcium-dependent protein kinase 8-like [Zea mays]
Zm00001d002540	2E-07	-1.75	down	PREDICTED: calcium dependent protein kinase isoform X1 [Zea mays]
Zm00001d050302	0.0015	-1.75	down	PREDICTED: uncharacterized protein LOC103653430 [Zea mays]
Zm00001d028793	0.0006	-1.75	down	PREDICTED: abscisic acid receptor PYL4-like [Zea mays]
Zm00001d043771	4E-06	-1.76	down	PREDICTED: phosphoethanolamine N-methyltransferase 1-like isoform X1 [Zea mays]
Zm00001d046718	1E-07	-1.77	down	unknown [Zea mays]
Zm00001d048050	0.0038	-1.77	down	PREDICTED: glutamine synthetase root isozyme 5 isoform X1 [Zea mays]
Zm00001d036727	1E-07	-1.77	down	uncharacterized protein LOC100274448 precursor [Zea mays]
Zm00001d046865	3E-07	-1.78	down	unknown [Zea mays]
Zm00001d008573	1E-06	-1.78	down	calmodulin protein 2, touch-induced [Zea mays]
Zm00001d016943	1E-07	-1.78	down	oxygen evolving enhancer protein 3 [Zea mays]
Zm00001d043365	3E-07	-1.78	down	protein binding protein [Zea mays]
Zm00001d019376	3E-07	-1.78	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d051889	3E-06	-1.78	down	PREDICTED: ethylene receptor 2-like [Zea mays]
Zm00001d005208	7E-06	-1.78	down	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d042540	1E-07	-1.78	down	TPA: lipoxygenase1 [Zea mays]
Zm00001d000196	1E-05	-1.78	down	putative MATE efflux family protein [Zea mays]
Zm00001d047470	8E-08	-1.78	down	hypothetical protein ZEAMMB73_059947, partial [Zea mays]
Zm00001d013918	2E-07	-1.79	down	uncharacterized protein LOC100194054 [Zea mays]
Zm00001d010840	9E-08	-1.79	down	hypothetical protein ZEAMMB73_336603 [Zea mays]
Zm00001d006257	0.0053	-1.79	down	PREDICTED: phospholipase D delta-like [Zea mays]
Zm00001d045393	0.0005	-1.79	down	hydrolase, NUDIX family protein [Zea mays]
Zm00001d044925	1E-07	-1.79	down	CP12-1 [Zea mays]
Zm00001d043875	8E-08	-1.79	down	PREDICTED: uncharacterized abhydrolase domain-containing protein DDB_G0269086 [Zea mays]
Zm00001d040066	1E-07	-1.79	down	hypothetical protein [Zea mays]
Zm00001d031727	7E-08	-1.79	down	TPA: sorbitol dehydrogenase-like protein [Zea mays]
Zm00001d000339	3E-07	-1.81	down	ethylene-responsive transcription factor 4 [Zea mays]
Zm00001d020277	3E-06	-1.81	down	PREDICTED: carbohydrate transporter/ sugar porter/ transporter isoform X1 [Zea mays]
Zm00001d039029	5E-08	-1.81	down	uncharacterized protein LOC100191573 [Zea mays]
Zm00001d032868	0.0042	-1.81	down	PREDICTED: L-type lectin-domain containing receptor kinase IV.1-like [Zea mays]
Zm00001d005846	0.0077	-1.81	down	F-box domain containing protein [Zea mays]
Zm00001d043898	0.0077	-1.81	down	PREDICTED: uncharacterized protein LOC103651368 [Zea mays]
Zm00001d043060	0.0007	-1.81	down	PREDICTED: probable WRKY transcription factor 4 [Zea mays]
Zm00001d002377	0.0001	-1.81	down	galactokinase [Zea mays]
Zm00001d027937	4E-05	-1.81	down	TPA: hypothetical protein ZEAMMB73_281838 [Zea mays]
Zm00001d051636	6E-06	-1.81	down	omega-6 fatty acid desaturase, endoplasmic reticulum isozyme 2 [Zea mays]
Zm00001d032464	4E-05	-1.81	down	PREDICTED: kinesin-related protein 11-like [Zea mays]
Zm00001d003072	0.0002	-1.82	down	unknown [Zea mays]
Zm00001d037305	2E-07	-1.82	down	PREDICTED: uncharacterized protein LOC100384841 isoform X1 [Zea mays]
Zm00001d019719	0.0017	-1.82	down	PREDICTED: LOC100285271 isoform X1 [Zea mays]
Zm00001d027590	0.0003	-1.82	down	PREDICTED: uncharacterized protein LOC103631691 [Zea mays]
Zm00001d021026	1E-04	-1.82	down	protein cap1 [Zea mays]
Zm00001d034129	1E-04	-1.82	down	hypothetical protein precursor [Zea mays]
Zm00001d020984	2E-07	-1.82	down	unknown [Zea mays]
Zm00001d021706	5E-05	-1.82	down	Histone H2A.4 [Triticum urartu]
Zm00001d008624	0.0005	-1.82	down	uncharacterized protein LOC100383256 [Zea mays]
Zm00001d013183	0.0028	-1.82	down	putative phototropic-resopnsive NPH3 family protein [Zea mays]
Zm00001d051088	5E-08	-1.83	down	putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d034007	4E-08	-1.83	down	PREDICTED: uncharacterized protein LOC103644004 [Zea mays]
Zm00001d024477	0.0012	-1.83	down	LOC542689 [Zea mays]
Zm00001d042654	8E-07	-1.83	down	TPA: beta-galactosidase isoform 1 [Zea mays]
Zm00001d052493	1E-07	-1.83	down	Stem-specific protein TSJ1 [Zea mays]
Zm00001d043233	0.0019	-1.83	down	PREDICTED: disease resistance protein RPS2-like [Zea mays]
Zm00001d017677	0.0002	-1.83	down	PREDICTED: putative HLH DNA-binding domain superfamily protein isoform X1 [Zea mays]
Zm00001d014530	1E-07	-1.83	down	hypothetical protein [Zea mays]
Zm00001d004013	0.0001	-1.83	down	hypothetical protein [Zea mays]
Zm00001d037932	0.0001	-1.83	down	PREDICTED: putative E3 ubiquitin-protein ligase LIN-1 isoform X2 [Zea mays]
Zm00001d017987	2E-07	-1.83	down	microtubule-associated protein TORTIFOLIA1 [Zea mays]
Zm00001d032261	0.0008	-1.83	down	PREDICTED: uncharacterized protein LOC103643302 isoform X1 [Zea mays]
Zm00001d018497	0.0033	-1.83	down	PREDICTED: uncharacterized protein LOC100193323 isoform X1 [Zea mays]
Zm00001d042739	7E-08	-1.83	down	TPA: anthocyanidin 3-O-glucosyltransferase [Zea mays]
Zm00001d037181	1E-05	-1.84	down	hypothetical protein ZEAMMB73_846482 [Zea mays]
Zm00001d043581	1E-05	-1.84	down	TPA: putative subtilase family protein [Zea mays]
Zm00001d032233	0.0059	-1.84	down	PREDICTED: uncharacterized protein At1g66480-like isoform X2 [Zea mays]
Zm00001d051099	0.0059	-1.84	down	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At3g47570 [Zea mays]
Zm00001d047883	0.0001	-1.84	down	unknown [Zea mays]
Zm00001d022451	4E-08	-1.84	down	PREDICTED: CBL-interacting serine/threonine-protein kinase 11 isoform X1 [Zea mays]
Zm00001d015720	2E-07	-1.84	down	hypothetical protein [Zea mays]
Zm00001d047560	2E-05	-1.84	down	protein binding protein [Zea mays]
Zm00001d011285	3E-08	-1.84	down	uncharacterized protein LOC100274453 [Zea mays]
Zm00001d027486	2E-08	-1.85	down	barley mlo defense gene homolog1 [Zea mays]
Zm00001d025798	3E-07	-1.85	down	PREDICTED: uncharacterized protein LOC100274368 isoform X1 [Zea mays]
Zm00001d027991	2E-07	-1.85	down	HB-type transcription factor, partial [Zea mays subsp. mays]
Zm00001d007228	2E-08	-1.85	down	TPA: omega-3 fatty acid desaturase [Zea mays]
Zm00001d026018	2E-08	-1.85	down	LOC100384476 [Zea mays]
Zm00001d019589	0.0007	-1.85	down	TPA: CAAX amino terminal protease family protein [Zea mays]
Zm00001d021946	4E-08	-1.86	down	hypothetical protein [Zea mays]
Zm00001d047446	0.0017	-1.86	down	hypothetical protein [Zea mays]
Zm00001d027335	7E-06	-1.87	down	PREDICTED: trihelix transcription factor GTL1-like [Zea mays]
Zm00001d003751	3E-08	-1.87	down	TPA: VAMP protein SEC22 [Zea mays]
Zm00001d041773	5E-08	-1.87	down	hypothetical protein SORBIDRAFT_08g006710 [Sorghum bicolor]
Zm00001d037772	3E-08	-1.87	down	PREDICTED: uncharacterized protein LOC100381974 isoform X1 [Zea mays]
Zm00001d036216	0.003	-1.87	down	hypothetical protein ZEAMMB73_480130 [Zea mays]
Zm00001d025360	3E-07	-1.87	down	PREDICTED: probable F-box protein At1g60180 [Zea mays]
Zm00001d002762	3E-08	-1.87	down	TPA: putative AP2/EREBP transcription factor superfamily protein [Zea mays]
Zm00001d026652	3E-08	-1.88	down	DNA binding protein [Zea mays]
Zm00001d032069	4E-05	-1.88	down	uncharacterized LOC100191690 [Zea mays]
Zm00001d023592	1E-07	-1.88	down	PREDICTED: amino acid permease 3-like [Zea mays]
Zm00001d013542	2E-05	-1.88	down	PREDICTED: uncharacterized protein LOC100384259 isoform X1 [Zea mays]
Zm00001d042580	6E-06	-1.88	down	PREDICTED: putative NAC domain transcription factor superfamily protein isoform X1 [Zea mays]
Zm00001d005590	0.0001	-1.88	down	PREDICTED: uncharacterized protein LOC100279209 isoform X1 [Zea mays]
Zm00001d021613	6E-05	-1.88	down	protein binding protein [Zea mays]
Zm00001d006626	3E-07	-1.88	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d006454	5E-08	-1.88	down	PREDICTED: uncharacterized protein LOC100383401 isoform X1 [Zea mays]
Zm00001d016062	0.0055	-1.88	down	PREDICTED: uncharacterized protein LOC100273041 isoform X1 [Zea mays]
Zm00001d038020	1E-08	-1.88	down	PREDICTED: ATP binding protein isoform X2 [Zea mays]
Zm00001d035050	4E-08	-1.88	down	PREDICTED: uncharacterized protein LOC100381525 isoform X1 [Zea mays]
Zm00001d008307	9E-06	-1.88	down	PREDICTED: TIP isoform X1 [Zea mays]

Supplementary Table 4. Continued.

Zm00001d027512	0.0014	-1.88	down	PREDICTED: 60S ribosomal protein L5-1-like [Zea mays]
Zm00001d011076	7E-08	-1.89	down	putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d025195	2E-08	-1.89	down	PREDICTED: serine carboxypeptidase 1-like [Zea mays]
Zm00001d043025	2E-08	-1.89	down	PREDICTED: uncharacterized protein LOC100279301 isoform X1 [Zea mays]
Zm00001d047494	8E-09	-1.89	down	PREDICTED: LOW QUALITY PROTEIN: uncharacterized protein LOC103639150 [Zea mays]
Zm00001d034205	1E-08	-1.90	down	PREDICTED: probable xyloglucan glycosyltransferase 9 [Zea mays]
Zm00001d021168	4E-08	-1.90	down	unknown [Zea mays]
Zm00001d016760	0.0066	-1.90	down	PREDICTED: abscisic stress-ripening protein 3-like [Zea mays]
Zm00001d047664	0.0066	-1.90	down	hypothetical protein ZEAMMB73_801146 [Zea mays]
Zm00001d044839	3E-06	-1.90	down	LOC100281850 [Zea mays]
Zm00001d008370	5E-06	-1.90	down	putative geranylgeranyl pyrophosphate synthase 3 [Zea mays]
Zm00001d040780	2E-07	-1.91	down	hypothetical protein [Zea mays]
Zm00001d038699	3E-05	-1.91	down	O-methyltransferase ZRP4 [Zea mays]
Zm00001d046683	7E-09	-1.91	down	PREDICTED: uncharacterized protein LOC103638768 [Zea mays]
Zm00001d007208	4E-08	-1.91	down	brittle stalk-2-like protein 8 precursor [Zea mays]
Zm00001d013707	0.0027	-1.91	down	unknown [Zea mays]
Zm00001d022598	0.0027	-1.91	down	TPA: hypothetical protein ZEAMMB73_247144 [Zea mays]
Zm00001d021702	9E-09	-1.91	down	beta-amylase [Zea mays]
Zm00001d013630	7E-06	-1.91	down	putative DNA-binding protein [Zea mays]
Zm00001d010956	5E-09	-1.92	down	hypothetical protein ZEAMMB73_845546 [Zea mays]
Zm00001d053165	2E-06	-1.92	down	hypothetical protein ZEAMMB73_047197 [Zea mays]
Zm00001d011150	1E-08	-1.92	down	phosphoglycerate mutase family protein [Zea mays]
Zm00001d014858	8E-09	-1.92	down	high mobility group protein1 [Zea mays]
Zm00001d050514	1E-06	-1.92	down	PREDICTED: NEP1-interacting protein-like 1 [Zea mays]
Zm00001d012243	0.0002	-1.92	down	hypothetical protein ZEAMMB73_908037 [Zea mays]
Zm00001d029274	2E-05	-1.92	down	TPA: putative class III secretory plant peroxidase family protein [Zea mays]
Zm00001d048131	9E-08	-1.92	down	uncharacterized protein LOC100191524 [Zea mays]
Zm00001d014811	5E-09	-1.93	down	PREDICTED: LOC100283270 isoform X1 [Zea mays]
Zm00001d044373	3E-05	-1.93	down	TPA: leucine-rich repeat (LRR) family protein, partial [Zea mays]
Zm00001d040109	0.0006	-1.93	down	PREDICTED: uncharacterized protein LOC100276506 isoform X1 [Zea mays]
Zm00001d031019	3E-08	-1.93	down	homocysteine S-methyltransferase 2 [Zea mays]
Zm00001d038665	6E-08	-1.93	down	tyrosine/DOPA decarboxylase 1 [Zea mays]
Zm00001d035585	9E-07	-1.93	down	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase At2g19130 [Zea mays]
Zm00001d004335	1E-08	-1.93	down	PREDICTED: ABC transporter G family member 28-like [Zea mays]
Zm00001d002564	8E-07	-1.93	down	TPA: hypothetical protein ZEAMMB73_926701 [Zea mays]
Zm00001d006040	1E-08	-1.93	down	hypothetical protein [Zea mays]
Zm00001d029028	4E-08	-1.93	down	uncharacterized protein LOC100382070 [Zea mays]
Zm00001d017212	1E-07	-1.93	down	PREDICTED: uncharacterized LOC100272957 isoform X1 [Zea mays]
Zm00001d005010	9E-06	-1.94	down	TPA: hypothetical protein ZEAMMB73_036659 [Zea mays]
Zm00001d048178	3E-09	-1.94	down	LOC100284344 [Zea mays]
Zm00001d000434	4E-09	-1.94	down	hypothetical protein [Zea mays]
Zm00001d053001	0.0021	-1.94	down	PREDICTED: aspartic proteinase nepenthesin-1-like [Zea mays]
Zm00001d047758	3E-09	-1.94	down	mitogen-activated protein kinase 5 [Zea mays]
Zm00001d042898	0.0014	-1.94	down	hypothetical protein SORBIDRAFT_03g039590 [Sorghum bicolor]
Zm00001d023944	2E-05	-1.94	down	hypothetical protein [Zea mays]
Zm00001d015477	6E-09	-1.94	down	unknown [Zea mays]
Zm00001d043095	9E-09	-1.94	down	PREDICTED: zinc finger protein VAR3, chloroplastic-like isoform X1 [Zea mays]
Zm00001d016669	0.0007	-1.95	down	PREDICTED: uncharacterized protein DDB_G0271670-like [Zea mays]
Zm00001d028811	2E-05	-1.95	down	glycosyltransferase 5 [Zea mays]
Zm00001d003743	9E-07	-1.95	down	TPA: VQ motif family protein [Zea mays]
Zm00001d027708	0.0002	-1.95	down	TPA: metal ion binding protein [Zea mays]
Zm00001d050955	0.006	-1.96	down	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d014471	6E-05	-1.96	down	PREDICTED: pentatricopeptide repeat-containing protein At1g03540-like [Zea mays]
Zm00001d050500	0.0024	-1.96	down	hypothetical protein ZEAMMB73_581011 [Zea mays]
Zm00001d014166	7E-08	-1.96	down	PREDICTED: putative calcium-transporting ATPase 13, plasma membrane-type [Zea mays]
Zm00001d013216	0.0016	-1.96	down	hypothetical protein [Zea mays]
Zm00001d038801	2E-05	-1.96	down	uncharacterized protein LOC100279625 [Zea mays]
Zm00001d007940	3E-08	-1.96	down	eukaryotic translation initiation factor 5A-1/2 [Zea mays]
Zm00001d040979	5E-09	-1.96	down	hypothetical protein [Zea mays]
Zm00001d020986	0.0004	-1.97	down	uncharacterized protein LOC100276406 [Zea mays]
Zm00001d021955	1E-09	-1.97	down	TPA: hypothetical protein ZEAMMB73_832910 [Zea mays]
Zm00001d029686	5E-05	-1.97	down	subtilisin-like protease precursor [Zea mays]
Zm00001d046184	2E-08	-1.97	down	peroxidase 52 isoform 1 [Zea mays]
Zm00001d004452	5E-08	-1.98	down	hypothetical protein [Zea mays]
Zm00001d035039	2E-09	-1.98	down	uncharacterized protein LOC100275738 [Zea mays]
Zm00001d018754	7E-08	-1.98	down	TPA: putative leucine-rich repeat protein kinase family protein [Zea mays]
Zm00001d042341	2E-09	-1.98	down	PREDICTED: uncharacterized protein LOC100382514 isoform X1 [Zea mays]
Zm00001d030851	3E-06	-1.99	down	PREDICTED: cytochrome P450 81D11-like [Zea mays]
Zm00001d009603	1E-09	-1.99	down	solute carrier family 2, facilitated glucose transporter member 8 [Zea mays]
Zm00001d046263	2E-09	-2.00	down	PREDICTED: uncharacterized protein LOC100501686 isoform X1 [Zea mays]
Zm00001d031725	4E-09	-2.00	down	PREDICTED: LOW QUALITY PROTEIN: transcription factor PCF2 [Zea mays]
Zm00001d033339	4E-09	-2.00	down	PREDICTED: uncharacterized LOC100191280 isoform X1 [Zea mays]
Zm00001d049769	0.0002	-2.00	down	PREDICTED: cyclin-dependent protein kinase inhibitor SMR1-like [Zea mays]
Zm00001d011056	6E-10	-2.00	down	hypothetical protein [Zea mays]
Zm00001d021667	6E-06	-2.00	down	hypothetical protein precursor [Zea mays]
Zm00001d000220	0.001	-2.01	down	PREDICTED: pentatricopeptide repeat-containing protein At3g21470-like [Zea mays]
Zm00001d003247	2E-06	-2.01	down	TPA: malate synthase, glyoxysomal [Zea mays]
Zm00001d042371	7E-10	-2.01	down	unknown [Zea mays]
Zm00001d029501	2E-05	-2.01	down	TPA: hypothetical protein ZEAMMB73_776962 [Zea mays]
Zm00001d021897	0.0022	-2.01	down	uncharacterized LOC100279577 precursor [Zea mays]
Zm00001d048417	5E-08	-2.01	down	uncharacterized protein LOC100217165 [Zea mays]
Zm00001d052133	0.0054	-2.02	down	TPA: TPA_exp: homeodomain leucine zipper family IV protein [Zea mays]
Zm00001d025654	0.0001	-2.02	down	ATFP4 [Zea mays]
Zm00001d025642	0.0088	-2.02	down	hypothetical protein ZEAMMB73_206786 [Zea mays]
Zm00001d027524	7E-10	-2.02	down	unknown [Zea mays]
Zm00001d018541	0.0001	-2.02	down	uncharacterized protein LOC100279735 [Zea mays]
Zm00001d008987	2E-09	-2.02	down	PREDICTED: uncharacterized protein LOC100192876 isoform X1 [Zea mays]
Zm00001d045295	6E-07	-2.02	down	ACS-like protein [Zea mays]
Zm00001d004559	4E-10	-2.02	down	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At1g06840 [Zea mays]
Zm00001d003251	4E-07	-2.03	down	PREDICTED: uncharacterized protein LOC103646297 [Zea mays]
Zm00001d003047	4E-05	-2.03	down	TPA: hypothetical protein ZEAMMB73_991125 [Zea mays]
Zm00001d043047	3E-10	-2.03	down	alpha expansin1 precursor [Zea mays]
Zm00001d025333	9E-09	-2.03	down	hypothetical protein [Zea mays]
Zm00001d029783	9E-08	-2.03	down	expansin-like 3 precursor [Zea mays]
Zm00001d020774	1E-06	-2.03	down	ZF-HD protein dimerisation region containing protein [Zea mays]
Zm00001d007200	4E-07	-2.04	down	PREDICTED: intracellular protein transport protein USO1-like [Zea mays]
Zm00001d021731	4E-09	-2.04	down	PREDICTED: probable mixed-linked glucan synthase 8 isoform X1 [Zea mays]
Zm00001d006212	8E-10	-2.04	down	PREDICTED: two-component response regulator-like PRR95 isoform X1 [Zea mays]

Supplementary Table 4. Continued.

Zm00001d014625	3E-09	-2.04	down	cell Division Protein AAA ATPase family [Zea mays]
Zm00001d032740	8E-10	-2.04	down	PREDICTED: protein NRT1/ PTR FAMILY 5.2-like [Zea mays]
Zm00001d039312	3E-10	-2.04	down	unknown [Zea mays]
Zm00001d040399	2E-09	-2.06	down	peroxidase 24 precursor [Zea mays]
Zm00001d039169	1E-08	-2.06	down	hypothetical protein ZEAMMB73_389866 [Zea mays]
Zm00001d029784	1E-08	-2.07	down	PREDICTED: uncharacterized protein LOC103637610 [Zea mays]
Zm00001d010693	3E-07	-2.07	down	hypothetical protein [Zea mays]
Zm00001d014667	0.0019	-2.07	down	hypothetical protein [Zea mays]
Zm00001d011629	1E-06	-2.07	down	PREDICTED: probable receptor-like protein kinase At1g67000 [Zea mays]
Zm00001d003669	2E-08	-2.07	down	hypothetical protein [Zea mays]
Zm00001d003492	7E-08	-2.07	down	hypothetical protein [Zea mays]
Zm00001d029921	0.0004	-2.07	down	uncharacterized protein LOC100273950 [Zea mays]
Zm00001d044270	3E-05	-2.08	down	harpin-induced protein [Zea mays]
Zm00001d046764	0.0001	-2.08	down	PREDICTED: putative pentatricopeptide repeat-containing protein At3g13770, mitochondrial [Zea mays]
Zm00001d003742	5E-10	-2.08	down	PREDICTED: protein phosphatase type 2A regulator/ signal transducer isoform X1 [Zea mays]
Zm00001d042948	5E-10	-2.08	down	protein binding protein [Zea mays]
Zm00001d045746	2E-10	-2.08	down	PREDICTED: uncharacterized protein LOC103638270 isoform X1 [Zea mays]
Zm00001d026191	5E-08	-2.08	down	AP2-EREBP transcription factor [Zea mays]
Zm00001d031149	0.0048	-2.08	down	uncharacterized protein LOC100191255 [Zea mays]
Zm00001d045048	0.0048	-2.08	down	PREDICTED: pectinesterase [Zea mays]
Zm00001d010445	2E-10	-2.09	down	PREDICTED: uncharacterized protein LOC100273694 isoform X1 [Zea mays]
Zm00001d009724	0.0009	-2.09	down	PREDICTED: uncharacterized protein LOC100193843 isoform X2 [Zea mays]
Zm00001d032620	2E-05	-2.09	down	TPA: NHL25 [Zea mays]
Zm00001d021683	0.0002	-2.09	down	PREDICTED: putative cysteine-rich receptor-like protein kinase 20 [Zea mays]
Zm00001d028406	3E-10	-2.09	down	PREDICTED: 3-ketoacyl-CoA synthase 1-like [Zea mays]
Zm00001d008620	8E-11	-2.09	down	hypothetical protein ZEAMMB73_071763 [Zea mays]
Zm00001d046938	8E-11	-2.09	down	uncharacterized LOC100383609 precursor [Zea mays]
Zm00001d052781	1E-10	-2.09	down	PREDICTED: uncharacterized protein LOC100381775 isoform X1 [Zea mays]
Zm00001d019240	0.0079	-2.09	down	PREDICTED: pentatricopeptide repeat-containing protein At3g24000, mitochondrial-like [Zea mays]
Zm00001d043932	4E-08	-2.09	down	TPA: grx_11-glutaredoxin subgroup III [Zea mays]
Zm00001d027346	0.0014	-2.09	down	unknown [Zea mays]
Zm00001d036097	0.0003	-2.10	down	putative DUF26-domain receptor-like protein kinase family protein [Zea mays]
Zm00001d048041	3E-07	-2.10	down	hypothetical protein [Zea mays]
Zm00001d012402	2E-07	-2.10	down	PREDICTED: uncharacterized protein LOC103636505 [Zea mays]
Zm00001d033559	2E-09	-2.10	down	hypothetical protein [Zea mays]
Zm00001d033383	8E-11	-2.10	down	unknown [Zea mays]
Zm00001d040599	2E-10	-2.10	down	PREDICTED: quinolinate synthase, chloroplastic-like [Zea mays]
Zm00001d026695	2E-10	-2.10	down	POT family protein [Zea mays]
Zm00001d033068	5E-09	-2.10	down	TPA: hypothetical protein ZEAMMB73_399945 [Zea mays]
Zm00001d023450	2E-06	-2.10	down	hypothetical protein SORBIDRAFT_08g003530 [Sorghum bicolor]
Zm00001d029241	5E-06	-2.11	down	flavonoid 3-monooxygenase [Zea mays]
Zm00001d043443	6E-10	-2.11	down	uncharacterized protein LOC100191416 [Zea mays]
Zm00001d016733	2E-09	-2.11	down	LOC100282844 [Zea mays]
Zm00001d001784	1E-10	-2.11	down	TPA: hypothetical protein ZEAMMB73_589559 [Zea mays]
Zm00001d021952	2E-10	-2.13	down	unknown [Zea mays]
Zm00001d006778	2E-05	-2.13	down	PREDICTED: uncharacterized protein LOC100191741 isoform X1 [Zea mays]
Zm00001d031130	0.0057	-2.13	down	PREDICTED: putative pentatricopeptide repeat-containing protein At3g25970 [Zea mays]
Zm00001d047307	8E-10	-2.13	down	PREDICTED: pentatricopeptide repeat-containing protein At4g31850, chloroplastic [Zea mays]
Zm00001d044037	1E-10	-2.13	down	uncharacterized protein LOC100276997 precursor [Zea mays]
Zm00001d033344	3E-11	-2.13	down	uncharacterized protein LOC100280174 [Zea mays]
Zm00001d038447	2E-06	-2.13	down	hypothetical protein [Zea mays]
Zm00001d038064	6E-05	-2.13	down	uncharacterized protein LOC100279869 [Zea mays]
Zm00001d008449	0.0016	-2.13	down	PREDICTED: uncharacterized protein LOC103634748 [Zea mays]
Zm00001d041777	8E-08	-2.13	down	PREDICTED: 4-hydroxy-7-methoxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl glucoside beta-D-glucosidase 2, chloroplastic-like [Zea mays]
Zm00001d018367	0.0005	-2.13	down	hypothetical protein [Zea mays]
Zm00001d039264	5E-08	-2.14	down	TPA: hypothetical protein ZEAMMB73_496419 [Zea mays]
Zm00001d052053	1E-10	-2.14	down	PREDICTED: LOC732831 isoform X1 [Zea mays]
Zm00001d022259	2E-06	-2.14	down	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d040265	3E-08	-2.14	down	TPA: glycerol-3-phosphate acyltransferase 1 [Zea mays]
Zm00001d053092	8E-11	-2.14	down	hypothetical protein [Zea mays]
Zm00001d013370	0.0096	-2.14	down	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d002905	2E-09	-2.14	down	PREDICTED: probable receptor-like protein kinase At1g49730 [Zea mays]
Zm00001d004231	0.0008	-2.15	down	hypothetical protein precursor [Zea mays]
Zm00001d042528	0.0003	-2.15	down	PREDICTED: chromatin assembly factor 1 subunit FSM-like [Zea mays]
Zm00001d012670	0.0001	-2.15	down	uncharacterized protein LOC100382489 [Zea mays]
Zm00001d005951	2E-11	-2.15	down	PREDICTED: uncharacterized protein LOC100194336 isoform X1 [Zea mays]
Zm00001d049449	2E-11	-2.15	down	hypothetical protein ZEAMMB73_651968 [Zea mays]
Zm00001d049643	7E-11	-2.15	down	PREDICTED: uncharacterized protein LOC100191983 isoform X1 [Zea mays]
Zm00001d034240	5E-09	-2.15	down	PREDICTED: leucine-rich repeat receptor-like serine/threonine-protein kinase BAM1 [Zea mays]
Zm00001d013741	2E-11	-2.15	down	putative phototropic-responsive NPH3 family protein [Zea mays]
Zm00001d020470	1E-07	-2.15	down	PREDICTED: uncharacterized protein LOC103647426 [Zea mays]
Zm00001d020306	3E-10	-2.16	down	TPA: strictosidine synthase 3 [Zea mays]
Zm00001d022245	0.0002	-2.16	down	TPA: putative calmodulin-binding family protein [Zea mays]
Zm00001d019855	0.0012	-2.16	down	TPA: anther-specific proline-rich protein APG [Zea mays]
Zm00001d038448	4E-10	-2.16	down	uncharacterized protein LOC100273220 [Zea mays]
Zm00001d001785	0.0041	-2.16	down	uncharacterized protein LOC100381735 [Zea mays]
Zm00001d004951	0.0041	-2.16	down	TPA: hypothetical protein ZEAMMB73_404121 [Zea mays]
Zm00001d043366	0.0041	-2.16	down	PREDICTED: uncharacterized protein LOC103651179 isoform X1 [Zea mays]
Zm00001d011625	3E-11	-2.16	down	PREDICTED: uncharacterized protein LOC100273535 isoform X1 [Zea mays]
Zm00001d043062	1E-10	-2.16	down	WRKY DNA binding domain containing protein [Zea mays]
Zm00001d004817	1E-05	-2.16	down	TPA: hypothetical protein ZEAMMB73_232282 [Zea mays]
Zm00001d004843	1E-11	-2.16	down	abscisic stress ripening protein 2 [Zea mays]
Zm00001d044995	4E-11	-2.17	down	putative protein kinase superfamily protein [Zea mays]
Zm00001d015463	5E-09	-2.17	down	hypothetical protein ZEAMMB73_463501 [Zea mays]
Zm00001d025716	2E-05	-2.17	down	PREDICTED: uncharacterized protein LOC100193582 isoform X1 [Zea mays]
Zm00001d026126	2E-05	-2.17	down	PREDICTED: probable serine/threonine-protein kinase NAK isoform X4 [Zea mays]
Zm00001d038700	3E-07	-2.17	down	uncharacterized protein LOC100272885 [Zea mays]
Zm00001d017502	2E-11	-2.18	down	PREDICTED: uncharacterized protein LOC100216724 isoform X1 [Zea mays]
Zm00001d021638	0.0001	-2.18	down	mitochondrial protein [Zea mays]
Zm00001d017085	1E-11	-2.18	down	uncharacterized protein LOC100194350 [Zea mays]
Zm00001d003774	4E-07	-2.18	down	unknown [Zea mays]
Zm00001d050307	5E-11	-2.18	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d027763	3E-11	-2.19	down	TPA: plant-specific domain TIGR01615 family protein [Zea mays]
Zm00001d020496	2E-11	-2.21	down	unknown [Zea mays]
Zm00001d005767	0.0049	-2.22	down	PREDICTED: uncharacterized protein LOC103649150 [Zea mays]
Zm00001d039391	0.0049	-2.22	down	PREDICTED: uncharacterized protein LOC103649597 [Zea mays]
Zm00001d014116	3E-12	-2.22	down	hypothetical protein Osl_10040 [Oryza sativa Indica Group]
Zm00001d011496	4E-08	-2.22	down	PREDICTED: probable WRKY transcription factor 54 [Zea mays]

Supplementary Table 4. Continued.

Zm00001d047512	4E-06	-2.22	down	putative HLH DNA-binding domain superfamily protein [Zea mays]
Zm00001d005698	1E-06	-2.22	down	TPA: AN17 [Zea mays]
Zm00001d048533	3E-06	-2.22	down	uncharacterized protein LOC100276624 [Zea mays]
Zm00001d006268	8E-06	-2.22	down	PREDICTED: uncharacterized protein LOC103647632 [Zea mays]
Zm00001d042143	8E-06	-2.22	down	TPA: putative O-Glycosyl hydrolase superfamily protein [Zea mays]
Zm00001d045839	8E-06	-2.22	down	PREDICTED: lectin-like receptor kinase 7 isoform X1 [Zea mays]
Zm00001d033793	0.0022	-2.22	down	cortical cell-delineating protein precursor [Zea mays]
Zm00001d051193	3E-10	-2.23	down	PREDICTED: uncharacterized protein LOC100272237 isoform X1 [Zea mays]
Zm00001d000213	4E-09	-2.23	down	PREDICTED: translation factor GUF1 homolog, mitochondrial isoform X1 [Zea mays]
Zm00001d046981	9E-10	-2.23	down	PREDICTED: probable transcription factor KAN4 [Zea mays]
Zm00001d027729	2E-12	-2.24	down	hypothetical protein [Zea mays]
Zm00001d013185	1E-11	-2.24	down	PREDICTED: allene oxide synthase 1, chloroplastic [Zea mays]
Zm00001d027582	0.0005	-2.24	down	PREDICTED: putative magnesium transporter MRS2-H isoform X2 [Zea mays]
Zm00001d020275	1E-06	-2.24	down	PREDICTED: flocculation protein FLO11-like [Zea mays]
Zm00001d016815	0.0082	-2.24	down	unknown [Zea mays]
Zm00001d035854	2E-12	-2.24	down	fatty acid alpha-dioxygenase [Zea mays]
Zm00001d053042	0.0003	-2.24	down	hypothetical protein [Zea mays]
Zm00001d020915	5E-10	-2.24	down	hypothetical protein [Zea mays]
Zm00001d034095	2E-05	-2.25	down	PREDICTED: isoflavone 2'hydroxylase-like [Zea mays]
Zm00001d046136	3E-12	-2.25	down	unknown [Zea mays]
Zm00001d041430	3E-07	-2.25	down	uncharacterized protein LOC100280399 [Zea mays]
Zm00001d014318	0.0035	-2.25	down	PREDICTED: uncharacterized protein LOC103626267 [Zea mays]
Zm00001d008452	2E-07	-2.25	down	PREDICTED: leucine-rich repeat extensin-like protein 1 [Zea mays]
Zm00001d039086	9E-09	-2.25	down	PREDICTED: protein CHUP1, chloroplastic-like isoform X1 [Zea mays]
Zm00001d051981	2E-12	-2.25	down	putative GATA transcription factor family protein isoform 1 [Zea mays]
Zm00001d051083	2E-07	-2.25	down	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At3g47570 [Zea mays]
Zm00001d016719	4E-12	-2.26	down	unknown [Zea mays]
Zm00001d028808	0.0016	-2.26	down	TPA: hypothetical protein ZEAMMB73_311719 [Zea mays]
Zm00001d052112	0.0016	-2.26	down	PREDICTED: putative growth-regulating factor 3 isoform X1 [Zea mays]
Zm00001d047492	2E-12	-2.26	down	uncharacterized protein LOC100280024 [Zea mays]
Zm00001d044399	1E-12	-2.26	down	chlorophyll a-b binding protein 2 [Zea mays]
Zm00001d033160	6E-09	-2.26	down	transposon protein [Zea mays]
Zm00001d007117	2E-12	-2.26	down	TPA: hypothetical protein ZEAMMB73_994342 [Zea mays]
Zm00001d053856	4E-10	-2.26	down	hypothetical protein [Zea mays]
Zm00001d029955	5E-09	-2.26	down	hypothetical protein [Zea mays]
Zm00001d050889	1E-11	-2.26	down	PREDICTED: psbQ-like protein 1, chloroplastic [Zea mays]
Zm00001d017984	2E-12	-2.27	down	hypothetical protein ZEAMMB73_320909 [Zea mays]
Zm00001d052252	5E-07	-2.27	down	unknown [Zea mays]
Zm00001d021791	4E-07	-2.27	down	TPA: fiber expressed protein [Zea mays]
Zm00001d047436	2E-11	-2.27	down	PREDICTED: uncharacterized protein LOC103639115 [Zea mays]
Zm00001d001773	0.0001	-2.27	down	hypothetical protein SORBIDRAFT_06g033530 [Sorghum bicolor]
Zm00001d044629	1E-06	-2.27	down	meiotic recombination protein DMC1 isoform 1 [Zea mays]
Zm00001d008826	1E-12	-2.27	down	gigantea like1a [Zea mays]
Zm00001d042541	8E-12	-2.27	down	lipxygenase [Zea mays]
Zm00001d036737	3E-05	-2.28	down	PREDICTED: uncharacterized protein LOC100277371 [Zea mays]
Zm00001d022327	1E-11	-2.28	down	LOC100283680 [Zea mays]
Zm00001d042005	1E-12	-2.28	down	unknown [Zea mays]
Zm00001d043318	3E-07	-2.31	down	uncharacterized protein LOC100275502 [Zea mays]
Zm00001d010202	2E-05	-2.31	down	phosphoribosylanthranilate transferase [Zea mays]
Zm00001d050224	0.0001	-2.31	down	PREDICTED: probable 4-coumarate--CoA ligase 1 isoform X1 [Zea mays]
Zm00001d048515	4E-13	-2.32	down	hypothetical protein ZEAMMB73_474031 [Zea mays]
Zm00001d052939	0.0004	-2.32	down	PREDICTED: uncharacterized protein LOC100383195 isoform X1 [Zea mays]
Zm00001d004036	0.0008	-2.32	down	PREDICTED: uncharacterized protein LOC100277514 isoform X2 [Zea mays]
Zm00001d039004	0.004	-2.32	down	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d029932	4E-08	-2.33	down	PREDICTED: protein NRT1/ PTR FAMILY 6.3-like [Zea mays]
Zm00001d010451	4E-06	-2.33	down	unknown [Zea mays]
Zm00001d038924	4E-06	-2.33	down	hypothetical protein [Zea mays]
Zm00001d017978	5E-12	-2.33	down	endoglucanase 1 [Zea mays]
Zm00001d053911	2E-12	-2.33	down	PREDICTED: uncharacterized protein LOC100501708 isoform X1 [Zea mays]
Zm00001d043479	2E-10	-2.33	down	PREDICTED: uncharacterized protein LOC100217062 isoform X1 [Zea mays]
Zm00001d043536	2E-10	-2.33	down	heat shock factor protein HSF30 [Zea mays]
Zm00001d008980	2E-05	-2.33	down	PREDICTED: probable membrane-associated kinase regulator 2 [Zea mays]
Zm00001d037651	4E-13	-2.33	down	putative subtilase family protein precursor [Zea mays]
Zm00001d018350	6E-07	-2.34	down	hypothetical protein [Zea mays]
Zm00001d052066	6E-07	-2.34	down	PREDICTED: mitogen-activated protein kinase kinase 4-like [Setaria italica]
Zm00001d034494	1E-11	-2.34	down	hypothetical protein [Zea mays]
Zm00001d003019	8E-08	-2.34	down	TPA: putative WAK family receptor-like protein kinase [Zea mays]
Zm00001d008210	1E-09	-2.34	down	unknown [Zea mays]
Zm00001d034145	4E-13	-2.35	down	unknown [Zea mays]
Zm00001d010907	5E-07	-2.35	down	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d032003	1E-08	-2.35	down	hypothetical protein [Zea mays]
Zm00001d010798	1E-09	-2.35	down	hypothetical protein [Zea mays]
Zm00001d040232	5E-09	-2.35	down	hypothetical protein SORBIDRAFT_03g009230 [Sorghum bicolor]
Zm00001d046690	1E-07	-2.35	down	uncharacterized protein LOC100191500 [Zea mays]
Zm00001d014366	2E-06	-2.35	down	LOC100281206 precursor [Zea mays]
Zm00001d052346	8E-09	-2.36	down	hypothetical protein ZEAMMB73_859338 [Zea mays]
Zm00001d030551	2E-12	-2.36	down	uncharacterized protein LOC100381429 precursor [Zea mays]
Zm00001d031281	0.0028	-2.36	down	TPA: hypothetical protein ZEAMMB73_970575 [Zea mays]
Zm00001d053087	9E-12	-2.36	down	putative D-mannose binding lectin receptor-like protein kinase family protein [Zea mays]
Zm00001d003598	3E-09	-2.36	down	RR1-Corn type-A response regulator [Zea mays]
Zm00001d043935	3E-12	-2.36	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d017931	6E-06	-2.36	down	PREDICTED: pentatricopeptide repeat-containing protein At3g22690-like [Zea mays]
Zm00001d005472	0.0068	-2.36	down	unknown [Zea mays]
Zm00001d038280	5E-13	-2.36	down	PREDICTED: U-box domain-containing protein 29-like [Zea mays]
Zm00001d052192	6E-09	-2.41	down	uncharacterized protein LOC100193615 [Zea mays]
Zm00001d043050	4E-11	-2.41	down	TPA: putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d022035	2E-14	-2.42	down	TPA: hypothetical protein ZEAMMB73_713985 [Zea mays]
Zm00001d053766	0.0001	-2.42	down	PREDICTED: uncharacterized protein LOC103656015 [Zea mays]
Zm00001d054067	2E-14	-2.42	down	unknown [Zea mays]
Zm00001d037607	5E-10	-2.42	down	unknown [Zea mays]
Zm00001d006875	3E-13	-2.43	down	hypothetical protein SORBIDRAFT_02g039340 [Sorghum bicolor]
Zm00001d016946	0.0002	-2.43	down	uncharacterized protein LOC100276676 [Zea mays]
Zm00001d031168	4E-14	-2.43	down	glycine-rich RNA-binding protein 2 [Zea mays]
Zm00001d029801	1E-07	-2.43	down	PREDICTED: glutathione transferase14 isoform X1 [Zea mays]
Zm00001d001896	2E-14	-2.44	down	probable phyto kinase, chloroplastic precursor [Zea mays]
Zm00001d022075	5E-08	-2.44	down	TPA: putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d022037	2E-05	-2.44	down	PREDICTED: uncharacterized protein LOC103634377 [Zea mays]
Zm00001d053695	3E-13	-2.45	down	protein kinase precursor [Zea mays]

Supplementary Table 4. Continued.

Zm00001d049640	2E-10	-2.45	down	uncharacterized protein LOC100273979 [Zea mays]
Zm00001d012718	3E-05	-2.46	down	hypothetical protein precursor [Zea mays]
Zm00001d041387	0.0002	-2.46	down	PREDICTED: RING-H2 finger protein ATL65-like [Zea mays]
Zm00001d052480	0.0002	-2.46	down	indole-3-acetate beta-glucosyltransferase [Zea mays]
Zm00001d015213	5E-07	-2.46	down	leucine-rich repeat (LRR) family protein [Zea mays]
Zm00001d047480	9E-09	-2.46	down	PREDICTED: uncharacterized protein LOC103643607 isoform X1 [Zea mays]
Zm00001d043068	1E-05	-2.46	down	TPA: hypothetical protein ZEAMMB73_804341 [Zea mays]
Zm00001d032613	1E-09	-2.47	down	unknown [Zea mays]
Zm00001d045218	6E-11	-2.47	down	protein disulfide isomerase isoform 1 [Zea mays]
Zm00001d046812	2E-12	-2.47	down	hypothetical protein ZEAMMB73_901238 [Zea mays]
Zm00001d020183	7E-06	-2.47	down	PREDICTED: receptor-like protein kinase At3g21340 [Zea mays]
Zm00001d000214	0.0003	-2.47	down	uncharacterized protein LOC100501554 [Zea mays]
Zm00001d002899	2E-08	-2.48	down	TPA: hypothetical protein ZEAMMB73_136998 [Zea mays]
Zm00001d029996	3E-06	-2.48	down	PREDICTED: RING-H2 finger protein ATL5-like [Zea mays]
Zm00001d007915	4E-13	-2.48	down	PREDICTED: uncharacterized protein LOC100191926 isoform X2 [Zea mays]
Zm00001d027548	3E-13	-2.48	down	sterol methyl transferase2 [Zea mays]
Zm00001d025674	0.0001	-2.48	down	PREDICTED: probably inactive leucine-rich repeat receptor-like protein kinase At5g06940 [Zea mays]
Zm00001d033405	2E-08	-2.49	down	PREDICTED: m15 protein isoform X3 [Zea mays]
Zm00001d002364	4E-11	-2.49	down	unknown [Zea mays]
Zm00001d044390	5E-12	-2.49	down	TPA: hypothetical protein ZEAMMB73_701358 [Zea mays]
Zm00001d044253	3E-15	-2.49	down	putative calmodulin-binding family protein [Zea mays]
Zm00001d014291	3E-15	-2.49	down	LOC100285253 [Zea mays]
Zm00001d016237	2E-12	-2.49	down	aquaporin NIP1-1 [Zea mays]
Zm00001d029946	1E-07	-2.49	down	PREDICTED: uncharacterized protein LOC100381684 isoform X1 [Zea mays]
Zm00001d005766	1E-09	-2.50	down	LOC100284831 [Zea mays]
Zm00001d013455	2E-15	-2.50	down	putative FKBP-type peptidyl-prolyl cis-trans isomerase family protein [Zea mays]
Zm00001d047632	1E-13	-2.50	down	phytochromeB2 [Zea mays]
Zm00001d050026	3E-13	-2.50	down	PREDICTED: chloroplast purple acid phosphatase isoform c isoform X1 [Zea mays]
Zm00001d030299	2E-09	-2.50	down	PREDICTED: uncharacterized protein LOC100192965 isoform X1 [Zea mays]
Zm00001d028725	2E-12	-2.51	down	beta3-glucuronyltransferase [Zea mays]
Zm00001d029738	1E-08	-2.51	down	PREDICTED: uncharacterized protein LOC103637539 [Zea mays]
Zm00001d014016	4E-07	-2.51	down	hypothetical protein [Zea mays]
Zm00001d003161	2E-11	-2.51	down	TPA: hypothetical protein ZEAMMB73_344016 [Zea mays]
Zm00001d038551	9E-05	-2.51	down	PREDICTED: putative receptor-like protein kinase At4g00960 [Zea mays]
Zm00001d045340	1E-11	-2.51	down	PREDICTED: uncharacterized protein LOC100216991 isoform X1 [Zea mays]
Zm00001d052101	1E-14	-2.52	down	hypothetical protein [Zea mays]
Zm00001d029101	1E-12	-2.52	down	PREDICTED: phytyloplanin-like [Zea mays]
Zm00001d036650	2E-10	-2.52	down	unknown [Zea mays]
Zm00001d019207	2E-15	-2.52	down	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d005410	3E-07	-2.52	down	PREDICTED: aquaporin PIP2-6-like [Zea mays]
Zm00001d021901	2E-07	-2.53	down	zeamatin precursor [Zea mays]
Zm00001d028964	6E-13	-2.53	down	unknown [Zea mays]
Zm00001d045572	0.0005	-2.53	down	PREDICTED: WAT1-related protein At1g09380-like [Setaria italica]
Zm00001d020030	3E-15	-2.53	down	hypothetical protein [Zea mays]
Zm00001d029075	3E-13	-2.53	down	LOC100280494 [Zea mays]
Zm00001d052478	3E-05	-2.54	down	PREDICTED: uncharacterized protein LOC103654335 [Zea mays]
Zm00001d021615	6E-16	-2.54	down	PREDICTED: LOC100283781 isoform X1 [Zea mays]
Zm00001d004338	3E-08	-2.54	down	PREDICTED: uncharacterized protein LOC103644034 isoform X2 [Zea mays]
Zm00001d039451	2E-15	-2.54	down	uncharacterized protein LOC100277612 [Zea mays]
Zm00001d015783	5E-09	-2.55	down	putative O-glycosyl hydrolase family 17 protein precursor [Zea mays]
Zm00001d008911	1E-15	-2.55	down	LOC100285177 precursor [Zea mays]
Zm00001d014960	2E-14	-2.55	down	hypothetical protein ZEAMMB73_608417 [Zea mays]
Zm00001d029099	2E-12	-2.56	down	PREDICTED: phytyloplanin-like [Zea mays]
Zm00001d023923	0.0003	-2.56	down	PREDICTED: disease resistance protein RPM1-like [Zea mays]
Zm00001d031639	4E-16	-2.56	down	ACR4 [Zea mays]
Zm00001d017248	0.0001	-2.56	down	PREDICTED: uncharacterized protein LOC103627425 [Zea mays]
Zm00001d021411	0.0001	-2.56	down	uncharacterized protein LOC100274179 [Zea mays]
Zm00001d010075	5E-05	-2.56	down	hypothetical protein ZEAMMB73_271005 [Zea mays]
Zm00001d024700	2E-05	-2.56	down	PREDICTED: uncharacterized protein LOC103641331 isoform X1 [Zea mays]
Zm00001d017770	7E-16	-2.56	down	hypothetical protein [Zea mays]
Zm00001d013907	4E-06	-2.56	down	PREDICTED: non-specific lipid-transfer protein 2P-like [Zea mays]
Zm00001d015614	3E-07	-2.56	down	LOC100281240 [Zea mays]
Zm00001d046455	4E-13	-2.57	down	PREDICTED: 3'-N-debenzoyl-2'-deoxytaxol N-benzoyltransferase-like [Zea mays]
Zm00001d002020	1E-14	-2.57	down	uncharacterized LOC100272781 [Zea mays]
Zm00001d045557	2E-16	-2.57	down	PREDICTED: uncharacterized protein LOC100383550 isoform X1 [Zea mays]
Zm00001d017821	8E-14	-2.58	down	putative lectin-domain receptor-like protein kinase family protein [Zea mays]
Zm00001d035035	9E-14	-2.58	down	putative CRINKLY4-like receptor protein kinase family protein [Zea mays]
Zm00001d044476	1E-06	-2.58	down	PREDICTED: ABC transporter G family member 10-like [Zea mays]
Zm00001d038471	7E-16	-2.58	down	PREDICTED: U-box domain-containing protein 16 [Zea mays]
Zm00001d018473	6E-06	-2.58	down	PREDICTED: uncharacterized protein LOC100216665 [Zea mays]
Zm00001d007843	8E-09	-2.59	down	PREDICTED: L-type lectin-domain containing receptor kinase IV.1-like [Zea mays]
Zm00001d012672	7E-16	-2.59	down	PREDICTED: pentatricopeptide repeat-containing protein At5g56310-like [Zea mays]
Zm00001d034062	9E-08	-2.59	down	TPA: glucan endo-1,3-beta-glucosidase 3 [Zea mays]
Zm00001d042619	2E-07	-2.59	down	hypothetical protein [Zea mays]
Zm00001d051302	2E-07	-2.59	down	PREDICTED: uncharacterized protein LOC103653849 [Zea mays]
Zm00001d022570	0.0007	-2.59	down	PREDICTED: uncharacterized protein LOC103633599 isoform X7 [Zea mays]
Zm00001d038585	1E-12	-2.60	down	PREDICTED: ethylene-responsive transcription factor 8-like [Zea mays]
Zm00001d029581	0.0024	-2.60	down	hypothetical protein [Zea mays]
Zm00001d035398	7E-15	-2.60	down	hypothetical protein ZEAMMB73_398447 [Zea mays]
Zm00001d042140	2E-15	-2.60	down	beta-1,3-glucanase precursor [Zea mays]
Zm00001d004448	2E-13	-2.60	down	PREDICTED: pectate lyase 8 isoform X1 [Zea mays]
Zm00001d004664	1E-15	-2.60	down	uncharacterized protein LOC100381980 precursor [Zea mays]
Zm00001d039770	2E-09	-2.60	down	unknown [Zea mays]
Zm00001d018734	0.0092	-2.60	down	PREDICTED: pathogenesis-related protein PRB1-3-like [Zea mays]
Zm00001d022371	8E-16	-2.61	down	uncharacterized protein 114 precursor [Zea mays]
Zm00001d034763	1E-07	-2.61	down	harpin-induced protein [Zea mays]
Zm00001d050341	1E-15	-2.61	down	hypothetical protein ZEAMMB73_389254 [Zea mays]
Zm00001d018791	2E-11	-2.61	down	anther-specific proline-rich protein APG [Zea mays]
Zm00001d027810	7E-10	-2.61	down	PREDICTED: glycerol-3-phosphate 2-O-acyltransferase 6-like [Zea mays]
Zm00001d045785	2E-16	-2.65	down	uncharacterized LOC100274364 precursor [Zea mays]
Zm00001d020531	1E-12	-2.65	down	cellulose synthase catalytic subunit 12 [Zea mays]
Zm00001d029601	0.0061	-2.65	down	TPA: hypothetical protein ZEAMMB73_007834 [Zea mays]
Zm00001d006711	1E-16	-2.66	down	--
Zm00001d004495	2E-07	-2.66	down	PREDICTED: WEB family protein At3g51220-like isoform X2 [Zea mays]
Zm00001d043752	2E-14	-2.66	down	uncharacterized protein LOC100304381 [Zea mays]
Zm00001d047696	2E-06	-2.66	down	uncharacterized protein LOC100192467 [Zea mays]
Zm00001d006549	0.0003	-2.66	down	TPA: hypothetical protein ZEAMMB73_539189 [Zea mays]
Zm00001d025533	4E-16	-2.67	down	PREDICTED: uncharacterized protein LOC100191526 isoform X2 [Zea mays]

Supplementary Table 4. Continued.

Zm00001d006471	3E-05	-2.67	down	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase At2g19130 [Zea mays]
Zm00001d019668	3E-05	-2.67	down	PREDICTED: probable helicase MAGATAMA 3 [Zea mays]
Zm00001d044537	3E-05	-2.67	down	TPA: selenium-binding protein-like protein [Zea mays]
Zm00001d051314	3E-05	-2.67	down	uncharacterized LOC100279823 [Zea mays]
Zm00001d009936	4E-09	-2.68	down	basic endochitinase A [Zea mays]
Zm00001d031287	2E-13	-2.68	down	PREDICTED: oligopeptide transporter 5-like [Zea mays]
Zm00001d009060	0.0011	-2.68	down	uncharacterized protein LOC100280070 precursor [Zea mays]
Zm00001d021895	1E-05	-2.68	down	TPA: beta-hexosaminidase [Zea mays]
Zm00001d013097	1E-11	-2.68	down	hypothetical protein SORBIDRAFT_01g005610 [Sorghum bicolor]
Zm00001d033446	2E-13	-2.69	down	zinc transporter 10 precursor [Zea mays]
Zm00001d050938	2E-05	-2.69	down	PREDICTED: pentatricopeptide repeat-containing protein At4g14850-like [Zea mays]
Zm00001d022479	0.0002	-2.70	down	PREDICTED: uncharacterized protein LOC103633545 [Zea mays]
Zm00001d026017	1E-06	-2.70	down	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d040777	4E-14	-2.70	down	hypothetical protein [Zea mays]
Zm00001d017366	0.004	-2.70	down	PREDICTED: ethylene-responsive transcription factor ERF053-like [Zea mays]
Zm00001d044396	0.004	-2.70	down	PREDICTED: chlorophyll a-b binding protein of LHClI type 1-like [Zea mays]
Zm00001d043929	8E-16	-2.70	down	uncharacterized protein LOC100192072 precursor [Zea mays]
Zm00001d034365	1E-16	-2.72	down	TPA: syntaxin 121 [Zea mays]
Zm00001d009969	4E-12	-2.72	down	hypothetical protein ZEAMMB73_443698 [Zea mays]
Zm00001d027395	0.0007	-2.72	down	TPA: putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d040172	0.0007	-2.72	down	uncharacterized protein LOC100277939 [Zea mays]
Zm00001d052317	0.0007	-2.72	down	PREDICTED: uncharacterized protein LOC100194299 [Zea mays]
Zm00001d022234	2E-05	-2.72	down	EF hand family protein [Zea mays]
Zm00001d039944	0.0002	-2.73	down	PREDICTED: probable calcium-binding protein CML16 [Zea mays]
Zm00001d015889	1E-07	-2.73	down	PREDICTED: uncharacterized protein LOC103626874 [Zea mays]
Zm00001d006749	8E-09	-2.73	down	hypothetical protein [Zea mays]
Zm00001d040297	4E-11	-2.73	down	LOC100285535 precursor [Zea mays]
Zm00001d051005	1E-11	-2.73	down	DNA binding protein [Zea mays]
Zm00001d035677	2E-13	-2.74	down	putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d006297	1E-05	-2.74	down	hypothetical protein SORBIDRAFT_02g032120 [Sorghum bicolor]
Zm00001d024821	1E-07	-2.75	down	sucrose-phosphatase 2 [Zea mays]
Zm00001d046961	1E-14	-2.75	down	VQ motif family protein [Zea mays]
Zm00001d022062	1E-13	-2.75	down	TPA: hypothetical protein ZEAMMB73_602344 [Zea mays]
Zm00001d021673	6E-14	-2.75	down	uncharacterized protein LOC100277476 [Zea mays]
Zm00001d052586	0.0005	-2.76	down	PREDICTED: cationic amino acid transporter 6, chloroplastic-like [Zea mays]
Zm00001d025338	2E-12	-2.76	down	uncharacterized protein LOC100277048 [Zea mays]
Zm00001d017462	5E-11	-2.76	down	PREDICTED: ethylene-responsive transcription factor 2-like [Zea mays]
Zm00001d009971	0.0001	-2.76	down	LRP1 [Zea mays]
Zm00001d033389	8E-10	-2.76	down	VQ motif family protein [Zea mays]
Zm00001d029107	3E-06	-2.77	down	hypothetical protein [Zea mays]
Zm00001d032849	8E-16	-2.78	down	LOC100217218 [Zea mays]
Zm00001d035467	2E-15	-2.78	down	PREDICTED: putative serine/threonine-protein kinase-like protein CCR3 [Zea mays]
Zm00001d032719	1E-16	-2.79	down	PREDICTED: uncharacterized protein LOC100274574 isoform X1 [Zea mays]
Zm00001d043256	4E-05	-2.85	down	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase At4g27290 isoform X1 [Zea mays]
Zm00001d032893	8E-07	-2.85	down	TPA: small heat shock-like protein [Zea mays]
Zm00001d040152	2E-11	-2.86	down	TPA: putative HLH DNA-binding domain superfamily protein, partial [Zea mays]
Zm00001d003471	0.0002	-2.86	down	TPA: hypothetical protein ZEAMMB73_915422 [Zea mays]
Zm00001d039825	1E-08	-2.87	down	PREDICTED: uncharacterized protein LOC103649764 [Zea mays]
Zm00001d015638	3E-09	-2.87	down	hypothetical protein ZEAMMB73_037276 [Zea mays]
Zm00001d032042	7E-08	-2.88	down	cytochrome P450 CYP78A53 [Zea mays]
Zm00001d020442	0.0007	-2.88	down	PREDICTED: uncharacterized protein LOC100304006 [Zea mays]
Zm00001d037968	3E-05	-2.88	down	PREDICTED: uncharacterized protein LOC103630240 [Zea mays]
Zm00001d043145	4E-12	-2.89	down	LOC100286137 [Zea mays]
Zm00001d002596	4E-07	-2.89	down	TPA: hypothetical protein ZEAMMB73_808186 [Zea mays]
Zm00001d023273	4E-07	-2.89	down	PREDICTED: putative disease resistance RPP13-like protein 2 isoform X1 [Zea mays]
Zm00001d037974	4E-07	-2.89	down	PREDICTED: PIT1 isoform X3 [Zea mays]
Zm00001d005811	5E-06	-2.90	down	hypothetical protein [Zea mays]
Zm00001d007602	0.0001	-2.90	down	PREDICTED: putative disease resistance RPP13-like protein 3 [Zea mays]
Zm00001d028649	2E-16	-2.90	down	uncharacterized protein LOC100275414 [Zea mays]
Zm00001d051814	2E-14	-2.90	down	uncharacterized protein LOC103654079 precursor [Zea mays]
Zm00001d042551	0.0042	-2.90	down	PREDICTED: uncharacterized LOC100383049 isoform X1 [Zea mays]
Zm00001d030915	2E-05	-2.91	down	uncharacterized protein LOC100276732 [Zea mays]
Zm00001d036775	4E-10	-2.92	down	PREDICTED: protein STRUBBELIG-RECEPTOR FAMILY 8-like isoform X3 [Zea mays]
Zm00001d029583	1E-12	-2.92	down	polygalacturonase inhibitor 1 precursor [Zea mays]
Zm00001d037203	1E-05	-2.94	down	PREDICTED: pentatricopeptide repeat-containing protein At3g20730 [Zea mays]
Zm00001d005664	1E-15	-2.94	down	hypothetical protein SORBIDRAFT_02g023320 [Sorghum bicolor]
Zm00001d044771	3E-10	-2.94	down	hypothetical protein precursor [Zea mays]
Zm00001d009932	3E-11	-2.95	down	plasma membrane associated protein [Zea mays]
Zm00001d029777	1E-12	-2.95	down	PREDICTED: uncharacterized protein LOC103637609 [Zea mays]
Zm00001d049060	0.0026	-2.95	down	PREDICTED: uncharacterized protein LOC100275892 [Zea mays]
Zm00001d021995	5E-10	-2.95	down	hypothetical protein SORBIDRAFT_02g038030 [Sorghum bicolor]
Zm00001d012498	0.0003	-2.96	down	PREDICTED: uncharacterized protein LOC103636549 [Zea mays]
Zm00001d036638	0.0003	-2.96	down	PREDICTED: myb-like DNA-binding domain, SHAQKYF class family protein isoform X1 [Zea mays]
Zm00001d037843	0.0003	-2.96	down	hypothetical protein [Zea mays]
Zm00001d005875	2E-09	-2.96	down	TPA: putative homeobox DNA-binding and leucine zipper domain family protein [Zea mays]
Zm00001d013181	1E-09	-2.96	down	pentatricopeptide repeat (PPR) superfamily protein [Zea mays]
Zm00001d020322	5E-05	-2.96	down	PREDICTED: probable inactive receptor kinase At2g26730 [Zea mays]
Zm00001d027824	1E-07	-2.97	down	TPA: hypothetical protein ZEAMMB73_987520, partial [Zea mays]
Zm00001d039426	6E-13	-2.98	down	PREDICTED: xylosyltransferase oxt isoform X1 [Zea mays]
Zm00001d015216	2E-11	-2.99	down	hypothetical protein ZEAMMB73_826452 [Zea mays]
Zm00001d029350	3E-11	-2.99	down	acyltransferase [Zea mays]
Zm00001d025371	3E-10	-2.99	down	PREDICTED: uncharacterized protein LOC103641626 [Zea mays]
Zm00001d003050	1E-06	-2.99	down	PREDICTED: uncharacterized protein LOC100216998 isoform X1 [Zea mays]
Zm00001d011627	7E-06	-2.99	down	PREDICTED: uncharacterized protein LOC100384648 isoform X2 [Zea mays]
Zm00001d015307	7E-06	-2.99	down	uncharacterized protein LOC100193840 [Zea mays]
Zm00001d025920	0.0002	-3.00	down	PREDICTED: L-type lectin-domain containing receptor kinase IV.1-like [Zea mays]
Zm00001d054090	0.0002	-3.00	down	PREDICTED: protein ENHANCED DISEASE RESISTANCE 2-like isoform X1 [Zea mays]
Zm00001d020251	4E-13	-3.00	down	PREDICTED: uncharacterized protein LOC103632651 [Zea mays]
Zm00001d044734	1E-09	-3.00	down	hypothetical protein ZEAMMB73_111784 [Zea mays]
Zm00001d015921	0.0017	-3.00	down	LOC100283627 [Zea mays]
Zm00001d023563	0.0017	-3.00	down	putative WAK family receptor-like protein kinase [Zea mays]
Zm00001d027368	0.0017	-3.00	down	xyloglucan endotransglucosylase/hydrolase protein 5 [Zea mays]
Zm00001d028348	0.0017	-3.00	down	PREDICTED: uncharacterized protein LOC100192603 isoform X1 [Zea mays]
Zm00001d030069	0.0017	-3.00	down	PREDICTED: OCL4 protein isoform X1 [Zea mays]
Zm00001d033050	6E-16	-3.01	down	LOC100284894 [Zea mays]
Zm00001d033067	1E-13	-3.01	down	probable potassium transporter 16 [Zea mays]
Zm00001d009187	2E-13	-3.01	down	hypothetical protein ZEAMMB73_816954 [Zea mays]
Zm00001d011721	3E-07	-3.01	down	PREDICTED: brassinosteroid LRR receptor kinase [Zea mays]

Supplementary Table 4. Continued.

Zm00001d037743	1E-09	-3.11	down	hypothetical protein ZEAMMB73_402093 [Zea mays]
Zm00001d009619	4E-10	-3.11	down	PREDICTED: probable WRKY transcription factor 34 isoform X1 [Zea mays]
Zm00001d051468	2E-16	-3.11	down	LOC100217252 [Zea mays]
Zm00001d042141	8E-06	-3.12	down	TPA: putative O-Glycosyl hydrolase superfamily protein [Zea mays]
Zm00001d017612	9E-13	-3.12	down	unknown [Zea mays]
Zm00001d021059	1E-06	-3.12	down	TPA: acyl-desaturase [Zea mays]
Zm00001d012961	0.0004	-3.14	down	hypothetical protein ZEAMMB73_912965 [Zea mays]
Zm00001d015527	4E-05	-3.14	down	putative protein kinase superfamily protein [Zea mays]
Zm00001d049713	3E-08	-3.15	down	PREDICTED: serine/threonine-protein kinase-like protein CCR4 [Zea mays]
Zm00001d031395	8E-09	-3.15	down	TPA: putative wall-associated receptor protein kinase family protein [Zea mays]
Zm00001d020495	2E-10	-3.16	down	WRKY62 - superfamily of TFs having WRKY and zinc finger domains [Zea mays]
Zm00001d003012	2E-13	-3.17	down	hypothetical protein ZEAMMB73_346029 [Zea mays]
Zm00001d003522	4E-06	-3.17	down	TPA: hypothetical protein ZEAMMB73_204635 [Zea mays]
Zm00001d027882	4E-09	-3.18	down	hypothetical protein SORBIDRAFT_03g004540 [Sorghum bicolor]
Zm00001d002623	6E-15	-3.18	down	putative MATE efflux family protein [Zea mays]
Zm00001d034901	2E-12	-3.19	down	receptor protein kinase-like protein precursor [Zea mays]
Zm00001d028199	3E-10	-3.19	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d037487	4E-13	-3.19	down	hypothetical protein SORBIDRAFT_10g005170 [Sorghum bicolor]
Zm00001d037471	0.004	-3.20	down	PREDICTED: pentatricopeptide repeat-containing protein At4g13650-like [Zea mays]
Zm00001d011834	2E-05	-3.21	down	PREDICTED: uncharacterized protein LOC100384143 isoform X1 [Zea mays]
Zm00001d014597	2E-05	-3.21	down	PREDICTED: uncharacterized protein LOC100381741 isoform X2 [Zea mays]
Zm00001d038282	6E-11	-3.21	down	PREDICTED: serine/threonine-protein kinase Nek4-like [Zea mays]
Zm00001d031614	0.0002	-3.23	down	PREDICTED: exocyst complex component EXO70B1-like [Zea mays]
Zm00001d027740	0.0024	-3.25	down	PREDICTED: late embryogenesis abundant protein D-34-like [Zea mays]
Zm00001d046967	0.0024	-3.25	down	uncharacterized protein LOC100217109 [Zea mays]
Zm00001d034098	4E-14	-3.25	down	PREDICTED: uncharacterized protein LOC103644034 isoform X1 [Zea mays]
Zm00001d031528	0.0001	-3.27	down	PREDICTED: exocyst complex component EXO70A1-like [Zea mays]
Zm00001d029428	9E-06	-3.28	down	PREDICTED: pentatricopeptide repeat-containing protein At4g33990 [Zea mays]
Zm00001d020461	1E-16	-3.28	down	PREDICTED: uncharacterized protein LOC100279910 isoform X1 [Zea mays]
Zm00001d002758	1E-12	-3.30	down	unknown [Zea mays]
Zm00001d007486	2E-14	-3.30	down	hydroquinone glucosyltransferase [Zea mays]
Zm00001d042572	3E-16	-3.30	down	TPA: hypothetical protein ZEAMMB73_696219 [Zea mays]
Zm00001d045498	6E-07	-3.31	down	hypothetical protein ZEAMMB73_683990 [Zea mays]
Zm00001d028912	6E-06	-3.31	down	PREDICTED: UPF0481 protein At3g47200-like [Zea mays]
Zm00001d010752	8E-05	-3.31	down	ZCN8 [Zea mays]
Zm00001d004539	0.0015	-3.31	down	TPA: hypothetical protein ZEAMMB73_314468 [Zea mays]
Zm00001d048356	1E-15	-3.32	down	unknown [Zea mays]
Zm00001d034111	4E-07	-3.33	down	pentatricopeptide repeat protein [Zea mays]
Zm00001d044688	4E-07	-3.33	down	PREDICTED: uncharacterized protein LOC103651678 [Zea mays]
Zm00001d049938	7E-11	-3.33	down	hypothetical protein SORBIDRAFT_07g024150 [Sorghum bicolor]
Zm00001d022597	4E-16	-3.34	down	RING-H2 finger protein ATL2B [Zea mays]
Zm00001d028004	6E-09	-3.34	down	PREDICTED: uncharacterized protein LOC103631845 [Zea mays]
Zm00001d038717	5E-05	-3.35	down	seed specific protein Bn15D17A [Zea mays]
Zm00001d010545	0.0009	-3.36	down	uncharacterized LOC100193752 precursor [Zea mays]
Zm00001d034427	0.0009	-3.36	down	TPA: leucine-rich repeat (LRR) family protein [Zea mays]
Zm00001d002700	7E-15	-3.37	down	hypothetical protein [Zea mays]
Zm00001d010201	3E-06	-3.37	down	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d014965	2E-07	-3.38	down	glycosyltransferase [Zea mays]
Zm00001d025814	2E-15	-3.39	down	hypothetical protein ZEAMMB73_415703 [Zea mays]
Zm00001d043411	2E-16	-3.40	down	PREDICTED: gibberellin 2-beta-dioxygenase-like [Zea mays]
Zm00001d003463	0.0006	-3.41	down	PREDICTED: uncharacterized protein LOC103646370 [Zea mays]
Zm00001d038645	0.0006	-3.41	down	PREDICTED: GDSL esterase/lipase At5g45910-like isoform X1 [Zea mays]
Zm00001d041215	0.0006	-3.41	down	TPA: putative leucine-rich repeat receptor-like protein kinase family protein [Zea mays]
Zm00001d015101	6E-16	-3.41	down	PREDICTED: pentatricopeptide repeat-containing protein At2g03880, mitochondrial-like [Zea mays]
Zm00001d012757	1E-06	-3.43	down	PREDICTED: uncharacterized protein LOC100304362 isoform X1 [Zea mays]
Zm00001d006535	1E-08	-3.43	down	PREDICTED: cysteine-rich receptor-like protein kinase 10 [Zea mays]
Zm00001d039110	9E-12	-3.44	down	calmodulin [Zea mays]
Zm00001d039520	7E-08	-3.45	down	Chain A, Native Cytokinin Dehydrogenase
Zm00001d040275	8E-07	-3.45	down	PREDICTED: uncharacterized protein LOC100277754 isoform X1 [Zea mays]
Zm00001d018491	6E-12	-3.46	down	hypothetical protein ZEAMMB73_351074 [Zea mays]
Zm00001d001842	0.0004	-3.46	down	PREDICTED: pentatricopeptide repeat-containing protein At2g13600-like [Zea mays]
Zm00001d050412	0.0004	-3.46	down	PREDICTED: chorismate mutase 2-like [Zea mays]
Zm00001d034877	1E-10	-3.46	down	PREDICTED: protein Brevis radix-like 4 [Zea mays]
Zm00001d034508	5E-08	-3.47	down	PREDICTED: probable beta-1,3-galactosyltransferase 18 [Zea mays]
Zm00001d006026	6E-10	-3.48	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d033834	4E-08	-3.50	down	PREDICTED: scarecrow-like protein 4 [Zea mays]
Zm00001d042932	0.0002	-3.51	down	PREDICTED: protein UPSTREAM OF FLC-like [Zea mays]
Zm00001d016185	3E-08	-3.52	down	hypothetical protein ZEAMMB73_093576 [Zea mays]
Zm00001d023522	3E-13	-3.53	down	hypothetical protein ZEAMMB73_507204 [Zea mays]
Zm00001d002422	0.0093	-3.55	down	PREDICTED: hypothetical protein isoform X1 [Zea mays]
Zm00001d023680	0.0093	-3.55	down	hypothetical protein ZEAMMB73_595527 [Zea mays]
Zm00001d031451	0.0093	-3.55	down	PREDICTED: squamosa promoter-binding-like protein 14 isoform X1 [Zea mays]
Zm00001d043656	0.0093	-3.55	down	uncharacterized protein LOC100192486 [Zea mays]
Zm00001d046132	0.0093	-3.55	down	VQ motif family protein [Zea mays]
Zm00001d048082	0.0093	-3.55	down	PREDICTED: MADS-box transcription factor 1 isoform X1 [Zea mays]
Zm00001d050909	0.0093	-3.55	down	hypothetical protein ZEAMMB73_749714 [Zea mays]
Zm00001d052355	0.0093	-3.55	down	PREDICTED: probable WRKY transcription factor 23 [Zea mays]
Zm00001d053099	0.0093	-3.55	down	unknown [Zea mays]
Zm00001d017908	2E-10	-3.55	down	PREDICTED: uncharacterized protein LOC100279738 isoform X1 [Zea mays]
Zm00001d025900	1E-10	-3.56	down	FIP1 [Zea mays]
Zm00001d020148	3E-16	-3.57	down	PREDICTED: proline-rich receptor-like protein kinase PERK7 [Zea mays]
Zm00001d035409	9E-05	-3.60	down	hypothetical protein ZEAMMB73_101811 [Zea mays]
Zm00001d014001	0.0054	-3.62	down	PREDICTED: flotillin-like protein 1 [Zea mays]
Zm00001d015031	0.0054	-3.62	down	PREDICTED: uncharacterized protein LOC103628269, partial [Zea mays]
Zm00001d038473	0.0054	-3.62	down	uncharacterized protein LOC100216587 [Zea mays]
Zm00001d050989	0.0054	-3.62	down	PREDICTED: uncharacterized protein LOC103653725 [Zea mays]
Zm00001d017976	2E-06	-3.62	down	immediate-early fungal elicitor protein CMPG1 [Zea mays]
Zm00001d038712	2E-06	-3.62	down	hypothetical protein [Zea mays]
Zm00001d050241	4E-11	-3.63	down	uncharacterized protein LOC100279594 precursor [Zea mays]
Zm00001d011451	3E-10	-3.63	down	PREDICTED: uncharacterized protein LOC103636118 [Zea mays]
Zm00001d046725	6E-08	-3.64	down	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase RLK1 [Zea mays]
Zm00001d033941	7E-15	-3.64	down	PREDICTED: BTB/POZ domain-containing protein At5g66560-like [Zea mays]
Zm00001d043737	5E-05	-3.64	down	plasma membrane associated protein [Zea mays]
Zm00001d019659	1E-06	-3.66	down	hypothetical protein ZEAMMB73_720605 [Zea mays]
Zm00001d000179	5E-15	-3.66	down	DREB-like protein [Zea mays]
Zm00001d008326	1E-14	-3.68	down	PREDICTED: zinc finger CCH domain-containing protein 4 isoform X2 [Zea mays]
Zm00001d012333	1E-10	-3.69	down	PREDICTED: uncharacterized acetyltransferase At3g50280-like [Zea mays]
Zm00001d047938	3E-05	-3.69	down	thaumatin-like protein 1 precursor [Zea mays]

Supplementary Table 4. Continued.

Zm00001d004305	0.0031	-3.69	down	inorganic phosphate transporter [Zea mays]
Zm00001d005879	0.0031	-3.69	down	TPA: hypothetical protein ZEAMMB73_062691 [Zea mays]
Zm00001d014843	0.0031	-3.69	down	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d026341	0.0031	-3.69	down	PREDICTED: eukaryotic translation initiation factor 3 subunit F-like [Zea mays]
Zm00001d030101	0.0031	-3.69	down	PREDICTED: protein-methionine sulfoxide oxidase mical3a-like [Zea mays]
Zm00001d042876	0.0031	-3.69	down	PREDICTED: tafazzin homolog [Zea mays]
Zm00001d027932	3E-14	-3.72	down	PREDICTED: uncharacterized protein LOC103631809 [Zea mays]
Zm00001d037328	5E-07	-3.72	down	hypothetical protein ZEAMMB73_155419 [Zea mays]
Zm00001d001791	2E-05	-3.73	down	TPA: putative O-glycosyl hydrolase family 17 protein [Zea mays]
Zm00001d011123	2E-05	-3.73	down	uncharacterized LOC100277462 [Zea mays]
Zm00001d018738	1E-14	-3.75	down	pathogenesis-related protein class I [Zea mays subsp. parviglumis]
Zm00001d011208	0.0018	-3.75	down	PREDICTED: 1-aminocyclopropane-1-carboxylate oxidase 1 isoform X1 [Zea mays]
Zm00001d014563	0.0018	-3.75	down	LOC100281263 precursor [Zea mays]
Zm00001d024630	0.0018	-3.75	down	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d052377	0.0018	-3.75	down	PREDICTED: pentatricopeptide repeat-containing protein At1g28690, mitochondrial [Zea mays]
Zm00001d038403	3E-11	-3.77	down	hypothetical protein [Zea mays]
Zm00001d031407	7E-09	-3.78	down	TPA: putative wall-associated receptor protein kinase family protein [Zea mays]
Zm00001d026067	2E-10	-3.80	down	putative cytochrome P450 superfamily protein [Zea mays]
Zm00001d029648	2E-07	-3.80	down	TPA: copalyl diphosphate synthase2 [Zea mays]
Zm00001d023344	9E-06	-3.81	down	hypothetical protein SORBIDRAFT_06g001660 [Sorghum bicolor]
Zm00001d049418	9E-06	-3.81	down	PREDICTED: germin-like protein 8-5 [Zea mays]
Zm00001d002055	0.0011	-3.82	down	TPA: hypothetical protein ZEAMMB73_121999 [Zea mays]
Zm00001d009469	0.0011	-3.82	down	PREDICTED: uncharacterized abhydrolase domain-containing protein DDB_G0269086-like [Zea mays]
Zm00001d012260	0.0011	-3.82	down	unknown [Zea mays]
Zm00001d016181	0.0011	-3.82	down	PREDICTED: uncharacterized protein LOC103627005 [Zea mays]
Zm00001d020124	0.0011	-3.82	down	TPA: hypothetical protein ZEAMMB73_878502 [Zea mays]
Zm00001d031351	0.0011	-3.82	down	TPA: putative wall-associated receptor protein kinase family protein [Zea mays]
Zm00001d034986	0.0011	-3.82	down	uncharacterized protein LOC100279973 [Zea mays]
Zm00001d038289	0.0011	-3.82	down	putative NAC domain transcription factor superfamily protein [Zea mays]
Zm00001d044605	0.0011	-3.82	down	TPA: omega-3 fatty acid desaturase [Zea mays]
Zm00001d032405	4E-09	-3.82	down	unknown [Zea mays]
Zm00001d051460	9E-11	-3.85	down	RING zinc finger protein-like [Zea mays]
Zm00001d025142	4E-12	-3.87	down	PREDICTED: universal stress protein A-like protein [Zea mays]
Zm00001d019406	0.0006	-3.88	down	PREDICTED: acidic endochitinase-like [Zea mays]
Zm00001d021973	0.0006	-3.88	down	hypothetical protein [Zea mays]
Zm00001d031607	0.0006	-3.88	down	PREDICTED: uncharacterized protein At1g28695-like isoform X2 [Zea mays]
Zm00001d042783	0.0006	-3.88	down	PREDICTED: uncharacterized protein LOC103636968 [Zea mays]
Zm00001d049122	0.0006	-3.88	down	hypothetical protein [Zea mays]
Zm00001d011673	2E-16	-3.91	down	farnesyl pyrophosphate synthetase [Zea mays]
Zm00001d012279	0.0004	-3.93	down	RING-H2 finger protein ATL3C [Zea mays]
Zm00001d024134	0.0004	-3.93	down	putative protein kinase superfamily protein [Zea mays]
Zm00001d038048	0.0004	-3.93	down	CBL-interacting serine/threonine-protein kinase 15 [Zea mays]
Zm00001d021216	5E-05	-4.14	down	PREDICTED: MATE efflux family protein 5-like [Zea mays]
Zm00001d025067	5E-05	-4.14	down	uncharacterized protein LOC100273705 [Zea mays]
Zm00001d034755	5E-05	-4.14	down	TPA: hypothetical protein ZEAMMB73_492554 [Zea mays]
Zm00001d038288	5E-05	-4.14	down	PREDICTED: transcription factor DIVARICATA-like [Zea mays]
Zm00001d038793	5E-05	-4.14	down	PREDICTED: IQ calmodulin-binding motif family protein isoform X1 [Zea mays]
Zm00001d039946	5E-05	-4.14	down	TPA: putative glycosyl hydrolase family 10 protein [Zea mays]
Zm00001d040594	5E-05	-4.14	down	cpm7 [Zea mays]
Zm00001d045090	5E-05	-4.14	down	PREDICTED: pentatricopeptide repeat-containing protein At2g03380, mitochondrial [Zea mays]
Zm00001d052104	5E-05	-4.14	down	PREDICTED: subtilisin-like protease [Zea mays]
Zm00001d002342	8E-10	-4.15	down	hypothetical protein precursor [Zea mays]
Zm00001d047089	9E-12	-4.17	down	PREDICTED: expansin-B3 [Zea mays]
Zm00001d010404	8E-08	-4.18	down	PREDICTED: cyclin-A1-1-like [Zea mays]
Zm00001d027541	8E-08	-4.18	down	LOC100282447 [Zea mays]
Zm00001d041873	8E-08	-4.18	down	PREDICTED: WAK111 - OsWAK receptor-like protein kinase isoform X1 [Zea mays]
Zm00001d003185	3E-05	-4.19	down	hypothetical protein precursor [Zea mays]
Zm00001d028935	3E-05	-4.19	down	PREDICTED: pentatricopeptide repeat-containing protein At1g56690, mitochondrial-like [Zea mays]
Zm00001d029578	3E-05	-4.19	down	PREDICTED: uncharacterized protein LOC103636662 [Zea mays]
Zm00001d036237	3E-05	-4.19	down	alpha-L-fucosidase 2 precursor [Zea mays]
Zm00001d048822	3E-05	-4.19	down	putative leucine-rich repeat protein kinase family protein [Zea mays]
Zm00001d019150	3E-12	-4.22	down	PREDICTED: putative thaumatin domain family protein isoform X1 [Zea mays]
Zm00001d022553	2E-05	-4.24	down	hypothetical protein [Zea mays]
Zm00001d032344	2E-05	-4.24	down	PREDICTED: receptor-like protein kinase HSL1 [Zea mays]
Zm00001d048354	2E-05	-4.24	down	glutathione transferase9 [Zea mays]
Zm00001d050417	2E-05	-4.24	down	hypothetical protein SORBIDRAFT_07g021680 [Sorghum bicolor]
Zm00001d033478	1E-16	-4.24	down	uncharacterized protein LOC100383047 [Zea mays]
Zm00001d000036	1E-10	-4.27	down	hypothetical protein SORBIDRAFT_08g000560 [Sorghum bicolor]
Zm00001d001769	1E-05	-4.28	down	hypothetical protein [Zea mays]
Zm00001d004072	1E-05	-4.28	down	PREDICTED: probable L-type lectin-domain containing receptor kinase S.5-like [Setaria italica]
Zm00001d007114	1E-05	-4.28	down	PREDICTED: proline-rich protein 7-like [Zea mays]
Zm00001d008266	1E-05	-4.28	down	hypothetical protein ZEAMMB73_888128 [Zea mays]
Zm00001d018855	1E-05	-4.28	down	PREDICTED: probable carboxylesterase 15 [Zea mays]
Zm00001d034340	1E-05	-4.28	down	TPA: hypothetical protein ZEAMMB73_701734 [Zea mays]
Zm00001d052768	1E-05	-4.28	down	hypothetical protein ZEAMMB73_466394 [Zea mays]
Zm00001d046781	5E-11	-4.31	down	PREDICTED: barley mlo defense gene homolog7 isoform X1 [Zea mays]
Zm00001d028011	7E-06	-4.32	down	uncharacterized protein LOC100277752 [Zea mays]
Zm00001d031366	7E-06	-4.32	down	TPA: putative wall-associated receptor protein kinase family protein [Zea mays]
Zm00001d046289	7E-06	-4.32	down	PREDICTED: mitogen-activated protein kinase kinase kinase 1 [Zea mays]
Zm00001d037342	9E-15	-4.32	down	PREDICTED: cysteine-rich repeat secretory protein 12-like [Zea mays]
Zm00001d011657	4E-13	-4.33	down	LOC100282955 [Zea mays]
Zm00001d039539	7E-15	-4.34	down	PREDICTED: uncharacterized protein LOC103649655 [Zea mays]
Zm00001d035434	1E-16	-4.34	down	hypothetical protein ZEAMMB73_660542 [Zea mays]
Zm00001d028838	7E-09	-4.34	down	PREDICTED: uncharacterized protein LOC100501075 [Zea mays]
Zm00001d049851	2E-13	-4.36	down	hypothetical protein [Zea mays]
Zm00001d002721	4E-06	-4.37	down	cortical cell-delineating protein precursor [Zea mays]
Zm00001d013071	4E-06	-4.37	down	IAA14 - auxin-responsive Aux/IAA family member [Zea mays]
Zm00001d029125	4E-06	-4.37	down	hypothetical protein precursor [Zea mays]
Zm00001d031372	4E-06	-4.37	down	PREDICTED: wall-associated receptor kinase 3-like isoform X1 [Zea mays]
Zm00001d053352	4E-06	-4.37	down	PREDICTED: uncharacterized protein LOC103654712 [Zea mays]
Zm00001d024926	1E-11	-4.39	down	hypothetical protein ZEAMMB73_282059 [Zea mays]
Zm00001d018931	3E-06	-4.41	down	receptor protein kinase CLAVATA1 precursor [Zea mays]
Zm00001d046378	3E-06	-4.41	down	hypothetical protein precursor [Zea mays]
Zm00001d046411	3E-06	-4.41	down	hypothetical protein SORBIDRAFT_08g000560 [Sorghum bicolor]
Zm00001d049722	3E-06	-4.41	down	PREDICTED: cell wall / vacuolar inhibitor of fructosidase 2-like [Zea mays]
Zm00001d011840	1E-09	-4.45	down	uncharacterized protein LOC100276819 [Zea mays]
Zm00001d012983	1E-09	-4.45	down	uncharacterized protein LOC100383800 [Zea mays]
Zm00001d002094	2E-06	-4.45	down	LOC100281790 precursor [Zea mays]

Supplementary Table 4. Continued.

Zm00001d048112	2E-06	-4.45	down	unknown [Zea mays]
Zm00001d002568	1E-06	-4.49	down	TPA: putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d009487	1E-06	-4.49	down	hypothetical protein ZEAMMB73_853883 [Zea mays]
Zm00001d014598	1E-06	-4.49	down	PREDICTED: pentatricopeptide repeat-containing protein At5g44230 [Zea mays]
Zm00001d006170	6E-10	-4.49	down	sbCBF6 [Zea mays]
Zm00001d028347	6E-07	-4.52	down	PREDICTED: peroxidase A2-like [Zea mays]
Zm00001d034945	6E-07	-4.52	down	putative MYB DNA-binding domain superfamily protein [Zea mays]
Zm00001d045843	6E-07	-4.52	down	hypothetical protein precursor [Zea mays]
Zm00001d044954	6E-13	-4.55	down	hypothetical protein SORBIDRAFT_10g006910 [Sorghum bicolor]
Zm00001d005966	4E-07	-4.56	down	PREDICTED: phosphatidylinositol 4-kinase gamma 7-like [Zea mays]
Zm00001d019053	4E-07	-4.56	down	PREDICTED: probable glycosyltransferase At5g03795 [Zea mays]
Zm00001d024458	4E-07	-4.56	down	PREDICTED: formin-like protein 18 [Zea mays]
Zm00001d028587	4E-07	-4.56	down	uncharacterized protein LOC100280408 [Zea mays]
Zm00001d051309	2E-15	-4.58	down	ORPHAN transcription factor [Zea mays]
Zm00001d011631	1E-10	-4.59	down	uncharacterized LOC100279514 [Zea mays]
Zm00001d017495	2E-15	-4.59	down	uncharacterized protein LOC100273516 precursor [Zea mays]
Zm00001d011112	3E-07	-4.60	down	exonuclease [Zea mays]
Zm00001d017907	2E-13	-4.60	down	unknown [Zea mays]
Zm00001d018225	2E-07	-4.63	down	TPA: TPA_exp: homeodomain leucine zipper family IV protein [Zea mays]
Zm00001d030346	1E-13	-4.64	down	TPA: hypothetical protein ZEAMMB73_295647 [Zea mays]
Zm00001d034547	5E-11	-4.65	down	TPA: hypothetical protein ZEAMMB73_133538 [Zea mays]
Zm00001d036256	5E-11	-4.65	down	hypothetical protein ZEAMMB73_741719 [Zea mays]
Zm00001d029377	1E-07	-4.67	down	PREDICTED: uncharacterized protein LOC100502251 isoform X1 [Zea mays]
Zm00001d003499	6E-08	-4.70	down	PREDICTED: E3 ubiquitin-protein ligase ATL6-like [Zea mays]
Zm00001d039368	6E-08	-4.70	down	PREDICTED: GDSL esterase/lipase At5g45910 isoform X2 [Zea mays]
Zm00001d049288	6E-08	-4.70	down	uncharacterized protein LOC100275439 precursor [Zea mays]
Zm00001d052254	6E-08	-4.70	down	DNA binding protein [Zea mays]
Zm00001d033049	2E-11	-4.71	down	ZIM motif family protein [Zea mays]
Zm00001d035756	4E-08	-4.73	down	PREDICTED: polygalacturonase inhibitor-like [Zea mays]
Zm00001d006538	1E-11	-4.73	down	PREDICTED: glucan endo-1,3-beta-glucosidase 7-like [Zea mays]
Zm00001d024416	1E-14	-4.75	down	hypothetical protein [Zea mays]
Zm00001d039099	5E-12	-4.77	down	hypothetical protein SORBIDRAFT_09g029310 [Sorghum bicolor]
Zm00001d046723	5E-12	-4.77	down	unknown [Zea mays]
Zm00001d019237	2E-08	-4.79	down	PREDICTED: L-ascorbate peroxidase 2, cytosolic-like isoform X1 [Setaria italica]
Zm00001d032401	2E-08	-4.79	down	serine/threonine kinase-like protein precursor [Zea mays]
Zm00001d032728	2E-08	-4.79	down	acyltransferase [Zea mays]
Zm00001d009899	3E-15	-4.82	down	PREDICTED: pectinesterase-like [Zea mays]
Zm00001d003358	1E-08	-4.83	down	PREDICTED: uncharacterized protein LOC103646338 [Zea mays]
Zm00001d003865	1E-08	-4.83	down	PREDICTED: keratinocyte proline-rich protein-like [Zea mays]
Zm00001d013453	1E-08	-4.83	down	PREDICTED: ATP-dependent RNA helicase DDX23 isoform X1 [Zea mays]
Zm00001d016590	1E-08	-4.83	down	hypothetical protein ZEAMMB73_472818 [Zea mays]
Zm00001d008779	1E-15	-4.85	down	hypothetical protein SORBIDRAFT_03g003730 [Sorghum bicolor]
Zm00001d006158	5E-09	-4.88	down	uncharacterized protein LOC100501092 [Zea mays]
Zm00001d023400	5E-09	-4.88	down	PREDICTED: cytochrome P450 94C1-like [Zea mays]
Zm00001d030063	4E-16	-4.90	down	PREDICTED: uncharacterized protein LOC103637711 [Zea mays]
Zm00001d003811	2E-13	-4.94	down	PREDICTED: uncharacterized protein LOC103648678 [Zea mays]
Zm00001d042449	2E-13	-4.94	down	BCL-2 binding anthanogene-1 [Zea mays]
Zm00001d030737	2E-09	-4.94	down	protein rough sheath 2 [Zea mays]
Zm00001d015662	1E-09	-4.97	down	uncharacterized protein LOC100382121 [Zea mays]
Zm00001d031445	1E-09	-4.97	down	unknown [Zea mays]
Zm00001d050689	1E-13	-4.97	down	PREDICTED: U-box domain-containing protein 27 [Zea mays]
Zm00001d036016	9E-10	-5.00	down	PREDICTED: uncharacterized protein LOC103629419 [Zea mays]
Zm00001d006761	6E-10	-5.02	down	uncharacterized protein LOC100191252 [Zea mays]
Zm00001d017530	6E-10	-5.02	down	harpin-induced 1 [Zea mays]
Zm00001d011431	4E-10	-5.05	down	uncharacterized protein LOC100274209 precursor [Zea mays]
Zm00001d027539	4E-10	-5.05	down	PREDICTED: glutathione transferase11 isoform X1 [Zea mays]
Zm00001d046485	4E-10	-5.05	down	putative leucine-rich repeat receptor protein kinase family protein [Zea mays]
Zm00001d050048	4E-10	-5.05	down	PREDICTED: QWRF motif-containing protein 4-like isoform X2 [Zea mays]
Zm00001d050141	3E-10	-5.07	down	PREDICTED: uncharacterized protein LOC100277652 isoform X1 [Zea mays]
Zm00001d045456	2E-10	-5.10	down	hypothetical protein ZEAMMB73_593364 [Zea mays]
Zm00001d028349	9E-15	-5.10	down	uncharacterized protein LOC100280077 precursor [Zea mays]
Zm00001d017638	8E-11	-5.15	down	PREDICTED: uncharacterized protein LOC103627562 [Zea mays]
Zm00001d042063	5E-11	-5.17	down	TPA: hypothetical protein ZEAMMB73_196368 [Zea mays]
Zm00001d052054	5E-11	-5.17	down	uncharacterized protein LOC100274484 [Zea mays]
Zm00001d037868	4E-11	-5.20	down	PREDICTED: eukaryotic peptide chain release factor subunit 1-1 isoform X1 [Zea mays]
Zm00001d017591	2E-11	-5.22	down	PREDICTED: ethylene-responsive transcription factor ERF027-like [Zea mays]
Zm00001d045254	6E-16	-5.24	down	anthocyanidin 5,3-O-glucosyltransferase [Zea mays]
Zm00001d012500	3E-16	-5.25	down	putative RING zinc finger domain superfamily protein [Zea mays]
Zm00001d005892	1E-11	-5.27	down	PREDICTED: ethylene-responsive transcription factor ERF109-like [Zea mays]
Zm00001d011785	5E-12	-5.31	down	PREDICTED: ARR1 protein-like isoform X1 [Zea mays]
Zm00001d015133	5E-12	-5.31	down	PREDICTED: metal transporter NRAT1-like [Zea mays]
Zm00001d047358	5E-12	-5.31	down	PREDICTED: peroxidase 5-like [Zea mays]
Zm00001d008334	4E-12	-5.33	down	pectinesterase precursor [Zea mays]
Zm00001d050409	4E-12	-5.33	down	PREDICTED: malate dehydrogenase isoform 1 isoform X2 [Zea mays]
Zm00001d041940	6E-15	-5.67	down	PREDICTED: uncharacterized protein LOC103650678 [Zea mays]
Zm00001d049265	3E-15	-5.70	down	unknown [Zea mays]
Zm00001d032371	8E-16	-5.77	down	TPA: hypothetical protein ZEAMMB73_866262 [Zea mays]
Zm00001d007603	4E-16	-5.80	down	PREDICTED: putative disease resistance RPP13-like protein 2 [Zea mays]
Zm00001d011778	1E-16	-5.87	down	unknown [Zea mays]
Zm00001d024900	1E-16	-5.87	down	PREDICTED: uncharacterized protein LOC103641414 [Zea mays]

Supplementary Table 5. Shared DEGs between up-regulated DEGs of the G1 (+CON_{pcf} vs –CON_{pcf}) and G2 (+CON_{pcf}+Pst vs –CON_{pcf}+Pst).

Zm00001d042749
 Zm00001d004033
 Zm00001d004357
 Zm00001d051548
 Zm00001d044726
 Zm00001d049179
 Zm00001d040542
 Zm00001d019733
 Zm00001d030775
 Zm00001d010705
 Zm00001d052816
 Zm00001d016151
 Zm00001d026041
 Zm00001d023548
 Zm00001d037849
 Zm00001d028718
 Zm00001d028171
 Zm00001d036229
 Zm00001d025107
 Zm00001d032399
 Zm00001d014766
 Zm00001d053398
 Zm00001d014831
 Zm00001d030507
 Zm00001d026623
 Zm00001d005174
 Zm00001d042099
 Zm00001d026540
 Zm00001d020071
 Zm00001d021387
 Zm00001d022467
 Zm00001d012764
 Zm00001d045056
 Zm00001d035249
 Zm00001d027946
 Zm00001d020652
 Zm00001d043586
 Zm00001d027949
 Zm00001d165620
 Zm00001d029391
 Zm00001d028486
 Zm00001d017025
 Zm00001d052243
 Zm00001d048634
 Zm00001d012512
 Zm00001d010828
 Zm00001d011459
 Zm00001d031625
 Zm00001d016471
 Zm00001d031993
 Zm00001d039487
 Zm00001d030339
 Zm00001d048189
 Zm00001d019669
 Zm00001d025456
 Zm00001d002046
 Zm00001d044535
 Zm00001d049715
 Zm00001d026500
 Zm00001d038192
 Zm00001d051695
 Zm00001d037681
 Zm00001d015201
 Zm00001d029699
 Zm00001d042244
 Zm00001d042780
 Zm00001d029011
 Zm00001d043789
 Zm00001d007753
 Zm00001d048949
 Zm00001d007609
 Zm00001d049218
 Zm00001d041853
 Zm00001d016653
 Zm00001d008399
 Zm00001d011185
 Zm00001d026147
 Zm00001d034844
 Zm00001d012484
 Zm00001d020638
 Zm00001d017422
 Zm00001d016166
 Zm00001d032188
 Zm00001d027375
 Zm00001d029662
 Zm00001d004836
 Zm00001d044763