

# Evaluation of Label-Free Quantitative Proteomics in a Plant Matrix: A Case Study of the Night-to-Day Transition in Corn Leaf

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Supplemental Data:

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Figure 1: Unaligned and Aligned Chromatograms

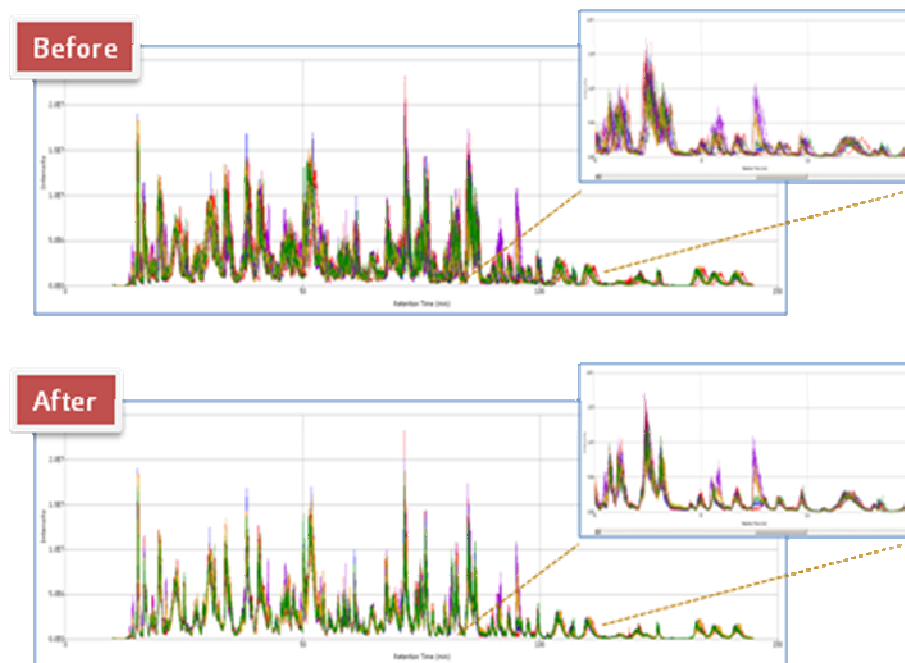


Table 1: Protein Identity and fold change data

Accession	Description	Change	log <sub>2</sub> Fold Change	FDR adjusted p-Value	Unique Peptides	Percent Coverage	Proteome Discoverer Score
B6TDY2	Pollen allergen Phl p 2	down in day	-3.85		3	28	100
B6T5U0	Putative uncharacterized protein	down in day	-3.35	1.3E-07	3	34	84
Q1ZYQ6	Zea m 13 allergen (Fragment)	down in day	-2.99	4.9E-03	7	22	131
B6UDJ8	Putative uncharacterized protein	down in day	-2.58	2.6E-08	2	30	84
B4FUC4	Putative uncharacterized protein	down in day	-2.57	6.5E-04	4	28	117
B6TL22	Protein P21	down in day	-2.10	1.7E-07	3	21	30
B6STH7	Ferredoxin-3	down in day	-1.98	5.9E-03	2	45	65
B6TVA3	Hevamine_A	down in day	-1.88	1.2E-07	2	13	15
B6T7C2	Eukaryotic translation initiation factor 5	down in day	-1.86	5.8E-03	2	8	31
B6TJM7	Translocon Tic40	down in day	-1.85	2.0E-06	5	19	174
B6UHJ7	Glycine cleavage system H protein 1	down in day	-1.75	2.0E-03	2	21	54
B4FH99	Putative uncharacterized protein	down in day	-1.73	1.7E-09	2	12	9
B4FLR0	GrpE protein homolog	down in day	-1.66	3.4E-10	4	20	66
P26216	Exopolysaccharide synthase	down in day	-1.66	7.3E-11	9	28	261
B6TSD7	Peroxidase 1	down in day	-1.64	2.1E-12	7	25	93
B4FBW7	Calmodulin	down in day	-1.62	2.7E-06	5	68	121
B8A043	Putative uncharacterized protein	down in day	-1.58	4.1E-10	4	8	118
A8WES5	Putative uncharacterized protein	down in day	-1.57	1.3E-03	2	13	23
B6TL88	Methylthioribose_1_phosphate isomerase	down in day	-1.55	1.1E-03	2	12	5
B6SX66	Putative uncharacterized protein	down in day	-1.51	1.5E-09	2	18	66
B6SPL7	Copper chaperone	down in day	-1.51	4.4E-06	2	40	26
B4FER8	Acyl_CoA_binding protein	down in day	-1.48	3.2E-09	3	43	36
B4FUT1	Putative uncharacterized protein	down in day	-1.47	2.7E-05	3	16	66

B4F9M6	Putative uncharacterized protein	down in day	-1.46	8.6E-08	3	6	76
B6T3B4	Putative uncharacterized protein	down in day	-1.44	6.8E-04	2	13	34
B6UBB5	Peroxidase 51	down in day	-1.40	3.1E-09	5	23	84
B6TRX7	Putative uncharacterized protein	down in day	-1.39	4.5E-05	3	32	83
B4G1V3	Putative uncharacterized protein	down in day	-1.39	1.7E-03	3	40	72
B6SUD2	Bundle sheath defective protein 2	down in day	-1.37	4.1E-03	4	51	52
B6TVS8	Copper_transporting ATPase PAA1	down in day	-1.36	3.0E-07	2	16	60
Q6RFK3	Peroxidase (Fragment)	down in day	-1.35	7.6E-08	6	22	283
B4FKW0	Putative uncharacterized protein	down in day	-1.31	1.2E-05	3	24	34
B6SL10	Fasciclin_like arabinogalactan protein 8	down in day	-1.28	2.2E-10	4	14	42
B6T3P0	Putative uncharacterized protein	down in day	-1.27	1.6E-19	4	21	249
B6TR92	Glutathione peroxidase	down in day	-1.23	2.7E-05	2	15	60
B6TD62	Membrane steroid_binding protein 1	down in day	-1.23	1.5E-08	4	32	132
B4FDH5	Histone H2B	down in day	-1.22	9.1E-04	5	35	111
C0PD28	Putative uncharacterized protein	down in day	-1.22	1.7E-07	2	5	18
B6SU07	Peroxidase 45	down in day	-1.21	6.2E-22	7	38	154
B6T2P8	Chloroplastic quinone-oxidoreductase	down in day	-1.19	9.0E-13	3	11	50
B6TES1	Blue copper protein	down in day	-1.18	2.1E-05	2	15	37
B6TNW5	Heme_binding protein 2	down in day	-1.18	1.5E-12	4	32	150
B6SZ11	Putative uncharacterized protein	down in day	-1.18	6.7E-04	2	34	84
B6TBJ0	Cyclase/dehydrase family protein	down in day	-1.15	3.4E-07	2	11	11
B6SI54	Vacuolar ATP synthase subunit G	down in day	-1.14	9.2E-10	3	47	167
B6T8U0	Plasminogen activator inhibitor 1 RNA-binding protein	down in day	-1.14	1.3E-04	3	11	21
B6T6G8	Putative uncharacterized protein	down in day	-1.09	8.4E-10	4	32	111
B6ST53	Fasciclin_like arabinogalactan protein 7	down in day	-1.07	3.2E-05	2	11	36
C0PH50	Putative uncharacterized protein	down in day	-1.06	9.2E-03	2	12	28
B4FSW2	Actin_depolymerizing factor 3	down in day	-1.05	5.9E-03	2	21	23

B4FCQ4	Cytochrome c oxidase subunit	down in day	-1.04	2.9E-11	2	27	126
B6SZA5	3_isopropylmalate dehydratase small subunit 2	down in day	-1.03	2.2E-05	3	24	98
B6THU9	Peroxidase 39	down in day	-1.01	7.1E-10	8	39	300
A5H453	Peroxidase 42	down in day	-1.00	2.3E-12	4	35	133
B6U2F2	Protein phosphatase 2C	down in day	-1.00	4.8E-13	5	17	177
B6TWH9	Rhcadhesin receptor	down in day	-0.99	4.0E-09	5	33	291
B6TR82	Thioredoxin F_type	down in day	-0.98	3.4E-07	4	18	97
B6TGM9	Cysteine protease 1	down in day	-0.97	1.2E-07	5	20	189
B6SRQ8	Cystathionin beta synthase protein	down in day	-0.95	7.7E-05	3	21	58
B6UBY0	SAM domain family protein	down in day	-0.91	2.0E-05	4	21	110
B6TF80	Germin_like protein subfamily 3 member 2	down in day	-0.90	5.1E-04	3	14	55
B4FEA2	Putative uncharacterized protein	down in day	-0.90	1.2E-08	4	23	115
B6U1P8	Subtilisin-like protease	down in day	-0.90	8.6E-03	3	5	30
B6TB55	4_diphosphocytidyl_2_C_methyl_D_ery thritol kinase	down in day	-0.90	3.1E-09	4	16	114
B6TD12	Plastid_lipid associated protein 3	down in day	-0.87	2.1E-06	4	20	94
B6SMR2	Peroxidase 52	down in day	-0.86	7.8E-10	5	26	84
B4FQX7	Putative uncharacterized protein	down in day	-0.86	1.8E-16	6	34	306
B4FR80	Putative uncharacterized protein	down in day	-0.85	1.7E-09	6	46	359
C0PBL7	Putative uncharacterized protein	down in day	-0.85	1.7E-03	2	8	101
B6TI14	Putative uncharacterized protein	down in day	-0.85	9.6E-04	3	32	155
B4FHA0	Putative uncharacterized protein	down in day	-0.84	3.0E-07	4	25	72
B4FD78	60S acidic ribosomal protein P2B	down in day	-0.84	1.5E-07	6	81	86
B6TRL2	Brain acid soluble protein 1	down in day	-0.83	7.4E-09	14	75	633
C0P2V1	Putative uncharacterized protein	down in day	-0.83	2.6E-04	5	34	131
B6THG0	Peroxidase 12	down in day	-0.81	8.7E-10	8	30	270
B6SUH9	Putative uncharacterized protein	down in day	-0.81	3.6E-10	6	35	172
B6TFN1	Minor allergen Alt a 7	down in day	-0.81	4.4E-06	8	60	574
B6TUC4	Glycine_rich RNA_binding protein 2	down in day	-0.81	1.5E-14	3	27	90
B8A0Y0	Putative uncharacterized protein	No Change	-4.07	1.5E-02	2	2	20

C0P2C3	Putative uncharacterized protein	No Change	-2.33	5.1E-02	4	42	177
Q7XBA3	Group 3 pollen allergen	No Change	-1.99	8.7E-02	3	28	76
B6TV58	Heterogeneous nuclear ribonucleoprotein A3_like protein 2	No Change	-1.39	1.1E-02	2	8	23
B4FK45	Putative uncharacterized protein	No Change	-1.33	2.2E-02	2	12	42
B6ST04	Beta_hexosaminidase beta chain	No Change	-1.22	1.2E-02	2	5	6
B6STM7	Putative uncharacterized protein	No Change	-1.16	2.2E-01	2	5	9
B6SX34	Photosystem I reaction center subunit psaK	No Change	-1.13	8.7E-02	2	34	130
B6SSB9	Plastocyanin	No Change	-1.07	2.4E-02	3	65	720
B6TQ08	Actin_1	No Change	-1.02	1.3E-01	8	33	373
B6SJN1	Auxin_repressed 12.5 kDa protein	No Change	-0.98	2.4E-02	5	77	138
A5HEH5	GIF2	No Change	-0.92	4.6E-02	3	20	42
B4FYA3	Putative uncharacterized protein	No Change	-0.90	2.9E-02	2	5	35
B4FMV3	Putative uncharacterized protein	No Change	-0.88	3.8E-02	2	28	60
P43188	Adenylate kinase_chloroplastic	No Change	-0.86	1.6E-02	6	41	293
B6U016	Senescence_associated protein DIN1	No Change	-0.85	3.1E-02	2	17	24
B7ZY51	Putative uncharacterized protein	No Change	-0.81	5.4E-02	6	17	59
B6T398	Putative uncharacterized protein	No Change	-0.80	3.1E-02	2	9	45
Q10717	Cysteine proteinase 2	No Change	-0.80	2.7E-06	3	13	176
Q8H6A5	Translationally-controlled tumor protein homolog	No Change	-0.80	1.9E-04	2	34	25
B4FUZ5	30S ribosomal protein S1	No Change	-0.79	1.3E-14	4	17	119
Q64HC2	ASF/SF2_like pre_mRNA splicing factor SRP32_	No Change	-0.79	3.7E-03	2	12	26
B6TKL2	DNA repair protein RAD23	No Change	-0.78	4.8E-11	4	19	124
B6SHT0	OB_fold nucleic acid binding domain containing protein	No Change	-0.77	3.4E-04	3	31	54
B6TR22	Putative uncharacterized protein	No Change	-0.77	2.6E-01	2	35	77
B6SND5	SRC2	No Change	-0.77	2.2E-01	2	9	19

C0PAK8	Putative uncharacterized protein	No Change	-0.77	6.1E-03	3	72	867
B8A2W6	Putative uncharacterized protein	No Change	-0.77	7.1E-10	7	23	113
B4FV74	Putative uncharacterized protein	No Change	-0.77	1.5E-02	5	41	124
P27789	Ferredoxin_5_chloroplastic	No Change	-0.75	5.0E-03	2	33	61
B4FPM1	Putative uncharacterized protein	No Change	-0.75	1.3E-03	4	20	124
C4J9R0	Putative uncharacterized protein	No Change	-0.74	1.7E-02	3	23	102
B6TC12	USP family protein	No Change	-0.74	2.6E-04	2	32	113
B6TXY3	Quinone oxidoreductase_like protein At1g23740	No Change	-0.74	7.6E-07	11	49	316
B4G066	Putative uncharacterized protein	No Change	-0.73	2.6E-04	3	8	10
C4J303	Putative uncharacterized protein	No Change	-0.72	1.5E-03	2	30	40
B6SU36	Thylakoid luminal 16.5 kDa protein	No Change	-0.72	6.4E-06	5	40	293
Q2XX37	Non_specific lipid_transfer protein	No Change	-0.71	3.9E-02	3	40	144
B4FRQ7	Proteasome subunit beta type	No Change	-0.70	1.7E-06	3	20	126
B6SP06	Glycine_rich protein 2b	No Change	-0.70	1.3E-05	2	20	68
B6SXW8	RuBisCO large subunit_binding protein subunit alpha	No Change	-0.70	1.4E-02	3	8	58
B4FX16	Macrophage migration inhibitory factor	No Change	-0.70	3.0E-08	4	47	122
B4FTX3	Profilin	No Change	-0.68	8.4E-08	3	32	69
C0P5M6	Putative uncharacterized protein	No Change	-0.68	2.5E-01	5	36	123
B4FT19	Oxygen evolving enhancer protein 3 containing protein	No Change	-0.68	7.8E-10	5	26	148
B6T9S0	Thioredoxin X	No Change	-0.68	3.9E-05	3	23	61
B6TK17	DREPP2 protein	No Change	-0.67	1.7E-01	2	15	85
B6T7D4	Fructose_bisphosphate aldolase	No Change	-0.67	2.0E-08	11	37	609
B6TI56	Putative uncharacterized protein	No Change	-0.66	3.4E-03	3	27	125
B6T903	Nascent polypeptide_associated complex alpha subunit_like protein	No Change	-0.66	2.7E-06	4	29	182
B6U5I1	Peptidyl_prolyl cis_trans isomerase	No Change	-0.65	5.1E-17	16	54	464
B4G1P2	NADH_ubiquinone oxidoreductase 20 kDa subunit	No Change	-0.65	7.3E-03	2	18	30

C0P3R7	Putative uncharacterized protein	No Change	-0.65	3.7E-01	5	48	409
Q94IQ8	Putative uncharacterized protein	No Change	-0.64	1.1E-05	7	31	153
B4FYG9	NADH_ubiquinone oxidoreductase 13 kDa_B subunit	No Change	-0.64	3.0E-02	3	21	21
B4FVT1	Putative uncharacterized protein	No Change	-0.63	4.5E-06	11	26	603
B6SLM7	Putative uncharacterized protein	No Change	-0.63	7.3E-03	3	59	119
B6UFB3	Stromal 70 kDa heat shock_related protein	No Change	-0.63	7.0E-12	20	31	771
B6TBK4	Ribonucleoprotein	No Change	-0.63	5.7E-10	6	36	233
B4G1B0	Putative uncharacterized protein	No Change	-0.63	1.1E-01	2	10	44
B4FA69	Putative uncharacterized protein	No Change	-0.63	2.2E-05	6	27	193
B6TBJ2	Putative uncharacterized protein	No Change	-0.63	1.4E-02	5	49	243
B6T8U7	Chaperonin	No Change	-0.62	1.1E-06	7	47	293
B6T927	Putative uncharacterized protein	No Change	-0.62	6.6E-03	13	75	620
B6T0F6	ATP synthase B chain	No Change	-0.62	6.8E-05	3	26	123
B6THG1	Legumin_like protein	No Change	-0.61	2.6E-15	8	43	167
B6TP02	Aspartic proteinase nepenthesin_1	No Change	-0.61	7.3E-08	5	24	170
B4G233	Disease resistance response protein 206	No Change	-0.60	1.2E-03	5	45	245
B6TJD7	Isocitrate dehydrogenase subunit 1	No Change	-0.59	3.2E-05	4	20	23
P08529	50S ribosomal protein L14_chloroplastic	No Change	-0.59	2.4E-07	4	40	178
P49087	V_type proton ATPase catalytic subunit A (Fragment)	No Change	-0.58	2.8E-04	11	29	148
B8A0V4	Beta-galactosidase	No Change	-0.57	1.2E-02	6	17	97
B6T056	Superoxide dismutase [Cu_Zn]	No Change	-0.56	1.7E-01	4	27	49
B6TMF3	Wound/stress protein	No Change	-0.55	2.6E-05	3	23	126
B6SZJ3	Auxin-binding protein ABP20	No Change	-0.55	4.5E-02	6	48	713
B6T4X5	2_hydroxy_3_oxopropionate reductase	No Change	-0.54	5.6E-02	3	19	78
B4FRE3	Ankyrin repeat domain_containing protein 2	No Change	-0.54	3.8E-05	10	41	263

B4FLT7	Putative uncharacterized protein	No Change	-0.54	9.7E-03	6	58	209
B6TDF7	Plastid_specific 30S ribosomal protein 2	No Change	-0.54	3.4E-06	3	18	71
B4FUG3	Putative uncharacterized protein	No Change	-0.54	9.0E-06	4	29	201
B4FLP0	Putative uncharacterized protein	No Change	-0.54	5.1E-02	3	11	39
B4FXZ3	Grx_C2.2_glutaredoxin subgroup I	No Change	-0.53	1.4E-07	2	31	190
B6TK61	26S proteasome non-ATPase regulatory subunit 4	No Change	-0.53	6.4E-03	5	19	84
B6T750	Peroxidase 17	No Change	-0.52	4.6E-03	6	25	145
B8QUV5	Chitinase	No Change	-0.52	1.5E-04	4	22	90
B4FFX7	Proteasome subunit alpha type	No Change	-0.52	5.5E-04	4	29	114
B4FVP6	Electron carrier/ electron transporter/ iron ion binding protein	No Change	-0.52	1.3E-02	3	40	176
B6T0S1	Thioredoxin M-type	No Change	-0.52	2.9E-02	7	50	459
B4FZ35	CHL_Zea mays Chloroplastic lipocalin	No Change	-0.51	1.6E-01	2	8	68
P69388	Cytochrome b559 subunit alpha	No Change	-0.51	8.0E-02	2	25	48
B6TT32	30S ribosomal protein S5	No Change	-0.50	2.5E-02	5	19	157
Q8RUA7	Heat shock factor_binding protein 1	No Change	-0.50	3.5E-01	3	56	76
B4FRP8	Plastid_lipid_associated protein 2	No Change	-0.50	5.2E-09	7	33	103
O80429	Putative uncharacterized protein	No Change	-0.49	3.5E-01	2	31	91
B6TVP0	Porphobilinogen deaminase	No Change	-0.49	8.6E-05	4	15	45
B6T4Y4	Grx_S12-glutaredoxin subgroup I	No Change	-0.49	1.6E-01	2	16	102
P19124	NAD(P)H_quinone oxidoreductase subunit J_chloroplastic	No Change	-0.48	1.6E-01	3	22	25
B6T3P4	Fumarylacetoacetase	No Change	-0.48	4.9E-03	3	11	48
B6TGG7	3-oxoacyl-synthase I	No Change	-0.48	5.5E-02	4	34	74
C0P558	Putative uncharacterized protein	No Change	-0.47	3.5E-01	2	8	38
B7ZYR5	Putative uncharacterized protein	No Change	-0.47	1.3E-03	4	10	76
B8A1H0	Putative uncharacterized protein	No Change	-0.47	7.9E-03	4	20	159
C0PE12	Putative uncharacterized protein	No Change	-0.46	1.2E-10	15	47	571
B4FWB5	Putative uncharacterized protein	No Change	-0.44	2.8E-04	2	13	29



B4G1V7	Putative uncharacterized protein	No Change	-0.44	3.7E-02	9	80	709
C0PBS1	Putative uncharacterized protein	No Change	-0.43	2.0E-04	4	18	181
B8A2C8	Putative uncharacterized protein	No Change	-0.43	1.4E-03	4	25	132
B6TNR8	40S ribosomal protein S2	No Change	-0.42	1.2E-01	3	16	25
B6U5J6	Putative uncharacterized protein	No Change	-0.42	3.5E-03	6	31	388
B4FWD0	Putative uncharacterized protein	No Change	-0.41	1.7E-06	7	55	468
Q5QJA2	Putative uncharacterized protein	No Change	-0.41	3.0E-02	7	33	177
B4FHH4	Triosephosphate isomerase	No Change	-0.41	1.4E-02	9	57	450
B6TN41	Putative uncharacterized protein	No Change	-0.41	1.2E-01	3	23	99
B4FIE5	Putative uncharacterized protein	No Change	-0.40	9.3E-02	3	14	94
B4FUR6	Putative uncharacterized protein	No Change	-0.38	4.4E-01	2	21	58
B6U5E8	Putative uncharacterized protein	No Change	-0.38	1.8E-01	2	21	41
B4FT76	ATP_dependent transporter ycf16	No Change	-0.38	5.5E-04	3	15	124
B8A2X5	Pectinesterase	No Change	-0.38	5.0E-03	4	10	61
B6TV01	Calmodulin_related protein 2_ touch_induced	No Change	-0.37	6.8E-02	4	24	61
Q41834	Putative uncharacterized protein	No Change	-0.36	2.0E-03	7	36	518
B4FR08	Cysteine synthase	No Change	-0.34	9.1E-04	10	40	311
B6THH6	Prolyl carboxypeptidase like protein	No Change	-0.33	2.2E-01	2	6	43
B4G218	Putative uncharacterized protein	No Change	-0.33	1.5E-01	2	8	32
B4F9R9	Oxygen_evolving enhancer protein 1	No Change	-0.32	2.1E-03	20	59	5204
B6SR22	50S ribosomal protein L12_1	No Change	-0.32	7.9E-02	5	37	148
B4FS10	Putative uncharacterized protein	No Change	-0.31	2.0E-01	7	51	595
B4FNA7	Putative uncharacterized protein	No Change	-0.30	1.6E-02	8	39	389
B4FPT5	Putative uncharacterized protein	No Change	-0.30	6.2E-02	4	16	93
A1Y9I7	Chloroplast post_illumination chlorophyll fluorescence increase protein	No Change	-0.30	2.4E-01	3	19	125
B6TJ90	Histone H4	No Change	-0.30	1.4E-03	4	30	216
B6UCX2	Chloride intracellular channel 6	No Change	-0.29	1.5E-01	2	11	45

B6STN1	IN2_1 protein	No Change	-0.29	4.6E-02	6	37	88
B6T2Y1	Peroxiredoxin_5	No Change	-0.28	1.5E-02	9	50	681
B6SSU6	Fructose_bisphosphate aldolase_ cytoplasmic isozyme 1	No Change	-0.28	4.8E-03	10	38	396
B6SRR2	FKBP_type peptidyl_prolyl cis_trans isomerase 4	No Change	-0.27	2.4E-01	7	49	375
B7ZYG0	Putative uncharacterized protein	No Change	-0.27	1.6E-01	10	23	341
B6U724	Flavoprotein wrbA	No Change	-0.27	5.7E-02	7	64	439
B4FQQ1	Putative uncharacterized protein	No Change	-0.25	3.9E-01	3	26	47
B6SR00	Putative uncharacterized protein	No Change	-0.25	5.0E-01	7	52	531
B6TYC5	Photosystem II reaction center psb28 protein	No Change	-0.25	4.7E-01	2	7	77
B4G1D2	CBS domain protein	No Change	-0.25	1.4E-02	5	30	67
B8A3D0	Putative uncharacterized protein	No Change	-0.25	8.2E-02	19	27	819
B6TDH1	DAG protein	No Change	-0.24	1.1E-02	3	8	80
C0P702	Putative uncharacterized protein	No Change	-0.23	5.6E-02	4	21	38
B6T2W9	Thylakoid luminal 19 kDa protein	No Change	-0.23	1.5E-01	9	49	304
B6T6V3	Membrane-associated 30 kDa protein	No Change	-0.23	7.5E-02	3	16	46
B6SS48	Outer mitochondrial membrane protein porin	No Change	-0.22	5.1E-01	4	20	89
B4F925	Superoxide dismutase	No Change	-0.21	5.3E-01	4	23	99
C4IZ04	Putative uncharacterized protein	No Change	-0.21	4.5E-01	3	20	77
B6SP11	Nonspecific lipid_transfer protein	No Change	-0.20	5.2E-01	3	23	170
B6STH5	Phosphoglycerate kinase	No Change	-0.19	8.5E-02	26	74	1519
B6SUB8	Aldose 1-epimerase	No Change	-0.19	2.2E-01	4	28	69
B4F9Z6	Enzyme of the cupin superfamily	No Change	-0.19	4.0E-01	3	24	53
B6SHX8	Putative uncharacterized protein	No Change	-0.19	4.8E-01	3	35	204
B4FT85	Isochorismate synthase 1	No Change	-0.16	3.0E-01	4	31	150
P05641	Photosystem II CP47 chlorophyll apoprotein	No Change	-0.16	4.4E-01	5	15	129

B6U8S9	Peptide methionine sulfoxide reductase	No Change	-0.16	6.2E-01	6	21	119
B4FT31	Putative uncharacterized protein	No Change	-0.14	2.0E-01	6	45	186
B6SLL8	Malate dehydrogenase	No Change	-0.13	3.5E-01	13	50	772
B6T3P9	Enolase	No Change	-0.13	1.1E-01	10	33	302
B6SUC7	Putative uncharacterized protein	No Change	-0.13	8.1E-01	3	17	173
B6TVL8	APx2-Cytosolic Ascorbate Peroxidase	No Change	-0.13	4.7E-01	2	17	115
B6SP61	Ferredoxin_1	No Change	-0.12	7.0E-01	3	21	127
B6TNN9	Cyclase	No Change	-0.12	7.3E-01	3	25	63
B4FAQ9	DREPP4 protein	No Change	-0.10	6.2E-01	7	51	266
Q8W2B6	UDP-glucosyltransferase BX9	No Change	-0.09	2.9E-01	5	16	128
B4FWK4	Putative uncharacterized protein	No Change	-0.08	6.1E-01	5	12	218
B6U3Z0	50S ribosomal protein L21	No Change	-0.08	4.7E-01	2	7	73
B6TPK4	Delta_aminolevulinic acid dehydratase	No Change	-0.07	6.1E-01	2	6	22
B4FRC8	Fruit protein PKIW1502	No Change	-0.07	5.7E-01	10	50	628
B6TYZ1	Putative uncharacterized protein	No Change	-0.07	6.5E-01	6	39	134
B6SZ34	30S ribosomal protein S9	No Change	-0.06	8.7E-01	3	17	13
B6T2L2	Sedoheptulose_1_7_bisphosphatase	No Change	-0.05	5.6E-01	15	51	978
B6SKL1	Thiol protease SEN102	No Change	-0.05	7.2E-01	11	50	520
B6SQF4	Alpha-galactosidase	No Change	-0.04	6.5E-01	5	14	100
B6STL7	Adenylate kinase	No Change	-0.04	6.6E-01	7	36	293
C0HIX4	Putative uncharacterized protein	No Change	-0.03	9.3E-01	4	40	78
B6UC94	Elongation factor P	No Change	-0.02	9.5E-01	5	28	115
B6SUC4	Chlorophyll a_b binding protein 8	No Change	-0.02	6.8E-01	8	57	569
B6U4A3	Heat shock 70 kDa protein	No Change	-0.02	9.5E-01	5	13	61
B6T5L0	KH domain containing protein	No Change	-0.02	9.3E-01	2	5	32
B4FTF8	Glutathione S-transferase	No Change	-0.01	9.3E-01	3	24	65
B6T4R3	UTP--glucose-1-phosphate uridylyltransferase	No Change	-0.01	9.0E-01	5	18	53

B6U5P6	Putative uncharacterized protein	No Change	-0.01	9.7E-01	3	24	116
B6UCZ2	Grx_S16-glutaredoxin subgroup II	No Change	-0.01	9.8E-01	3	14	52
B6SZC6	Basic endochitinase C	No Change	0.01	9.7E-01	8	47	504
B6TLW3	Fiber protein Fb19	No Change	0.01	9.6E-01	2	18	38
C0P4P5	Putative uncharacterized protein	No Change	0.02	9.2E-01	3	9	92
B4FVE8	Putative uncharacterized protein	No Change	0.03	9.3E-01	3	16	38
B6TSK5	Fructose_1_6_bisphosphatase	No Change	0.04	6.8E-01	11	38	501
B6SUX2	ATP synthase	No Change	0.04	8.9E-01	5	40	241
B6TJQ3	GDSL_motif lipase/hydrolase_like protein	No Change	0.04	7.9E-01	9	34	318
B6U3H3	CP12_1	No Change	0.05	8.7E-01	5	48	358
B4FNT1	Elongation factor 1_delta 1	No Change	0.05	9.0E-01	2	9	51
B6SSG5	Structural molecule	No Change	0.06	9.1E-01	2	9	20
C4IZN5	Putative uncharacterized protein	No Change	0.06	5.7E-01	2	10	11
B6TPE4	Glutamate_1_semialdehyde 2_1_aminomutase	No Change	0.06	6.1E-01	9	38	279
B4FRZ2	Putative uncharacterized protein	No Change	0.07	5.7E-01	4	12	156
B6TF38	Tubulin beta-8 chain	No Change	0.08	4.7E-01	4	11	56
B4FSD8	Cytochrome b6_f complex iron_sulfur subunit	No Change	0.09	6.5E-01	11	49	867
B4FSJ3	Ribulose bisphosphate carboxylase small chain	No Change	0.11	5.6E-01	11	62	611
B4FS99	ATP synthase D chain_mitochondrial	No Change	0.11	6.4E-01	3	22	27
P11601	Photosystem I iron_sulfur center	No Change	0.11	7.7E-01	5	58	687
B4FLS7	Putative uncharacterized protein	No Change	0.13	1.6E-01	4	24	154
Q9SM20	Glutathione transferase III(B)	No Change	0.13	6.3E-01	4	30	42
A5JVZ6	Plastid high chlorophyll fluorescence 136	No Change	0.13	2.2E-01	6	19	83
B6T2E1	DANA2	No Change	0.13	3.7E-01	11	55	247
B6TEI9	Photosystem I reaction center subunit IV A	No Change	0.14	6.1E-01	7	54	1138

B6TRZ5	ATP_dependent Clp protease proteolytic subunit	No Change	0.14	4.7E-01	2	17	104
B6SZH7	Putative uncharacterized protein	No Change	0.15	5.9E-02	7	21	127
B6TP39	FHA domain containing protein	No Change	0.15	7.3E-01	3	25	67
B4FU46	Putative uncharacterized protein	No Change	0.15	7.6E-01	3	11	92
B6TWW1	Aspartate_semialdehyde dehydrogenase	No Change	0.16	8.5E-01	2	12	42
B6SVE1	Serine carboxypeptidase 1	No Change	0.17	4.1E-01	5	14	152
B6TRM9	Mitochondrial-processing peptidase alpha subunit	No Change	0.17	2.4E-01	7	31	260
P93639	Actin (Fragment)	No Change	0.17	5.4E-01	5	19	172
B6TDA9	2-cys peroxiredoxin BAS1	No Change	0.18	6.9E-02	7	42	189
B6U124	Succinate dehydrogenase flavoprotein subunit_mitochondrial	No Change	0.18	7.5E-01	3	9	28
B4F7W6	Putative uncharacterized protein	No Change	0.18	8.7E-02	5	13	168
B4G019	Putative uncharacterized protein	No Change	0.18	6.3E-01	4	17	18
B4FAW3	Photosystem I reaction center subunit II	No Change	0.18	2.7E-01	12	54	4597
C0P9R5	Putative uncharacterized protein	No Change	0.19	3.5E-01	5	28	108
B1P2H3	Filamentation temperature_sensitive H 2A	No Change	0.20	1.1E-01	4	12	84
B6SSX2	Gamma_glutamyltranspeptidase 1	No Change	0.21	3.7E-01	3	7	16
B6T428	Succinyl_CoA ligase alpha_chain 2	No Change	0.21	6.5E-01	5	28	103
C0PBB3	Putative uncharacterized protein	No Change	0.22	8.0E-02	3	11	28
B6TQ52	Ribosome recycling factor	No Change	0.22	3.5E-01	4	25	151
B6U2V4	FK506 binding protein	No Change	0.23	2.0E-02	3	18	39
B4FT28	Glutamine synthetase	No Change	0.24	7.1E-02	8	37	241
P00827	ATP synthase subunit beta_chloroplasmic	No Change	0.24	2.1E-03	32	82	3614
Q9LLB8	Exoglucanase	No Change	0.26	1.4E-01	6	19	221

B6T9C0	Vacuolar ATP synthase subunit B isoform 1	No Change	0.26	2.2E-02	8	25	143
Q6B7Q9	RuBisCo subunit binding-protein beta subunit (Fragment)	No Change	0.26	1.1E-03	10	24	188
B6TB39	Fructokinase_2	No Change	0.27	2.6E-01	6	28	26
P48184	Photosystem II D2 protein	No Change	0.28	6.1E-01	3	12	17
B6SJN5	Dihydrolipoyllysine_residue succinyltransferase component of 2_oxoglutarate dehydrogenase complex	No Change	0.29	3.5E-01	3	8	49
B7U627	DHN2_like protein	No Change	0.29	7.3E-01	5	22	33
C4J9Y2	Putative uncharacterized protein	No Change	0.30	3.5E-01	3	20	115
B4FC92	Nuclear transport factor 2	No Change	0.31	6.3E-01	3	42	89
Q6WFB1	Photosystem II subunit PsbS	No Change	0.32	2.1E-01	2	12	38
B4FKM1	Guanine nucleotide_binding protein beta subunit_like protein	No Change	0.32	5.9E-04	8	32	239
B4FAY8	Negatively light_regulated protein	No Change	0.32	4.0E-01	3	25	55
B6TEY2	Thylakoid-bound ascorbate peroxidase APx8	No Change	0.32	6.0E-03	3	11	66
B6SUM9	Chlorophyll a_b binding protein of LHCII type III	No Change	0.34	5.2E-03	6	52	235
B6TXQ4	Glutathione S_transferase_C_terminal domain containing protein	No Change	0.36	6.1E-01	2	13	27
B4FV94	Chlorophyll a_b binding protein 4	No Change	0.36	4.9E-03	6	41	263
B6U4G5	Beta_propeller domains of methanol dehydrogenase type	No Change	0.36	1.2E-01	3	20	34
B6SS21	Dehydrin COR410	No Change	0.36	6.8E-01	3	36	36
B4FH62	NAD_dependent epimerase/dehydratase	No Change	0.36	7.7E-02	6	26	146
B6SRG1	Putative uncharacterized protein	No Change	0.37	5.4E-02	2	24	14

B6TCK3	NADH_cytochrome b5 reductase_like protein	No Change	0.37	2.2E-03	7	37	84
B7ZZJ0	Putative uncharacterized protein	No Change	0.38	4.6E-03	4	21	79
B6T4U3	Ribulose-phosphate 3-epimerase	No Change	0.38	1.6E-01	2	13	94
B6SSF3	40S ribosomal protein SA	No Change	0.39	4.6E-02	4	20	82
Q9SWR9	Dihydrolipoamide S_acetyltransferase	No Change	0.39	3.5E-01	4	10	62
B4FQ80	Chlorophyll a_b binding protein 2	No Change	0.40	7.6E-02	9	65	928
B6T8M6	Mitochondrial 2-oxoglutarate/malate carrier protein	No Change	0.40	1.3E-05	3	12	104
B4FXB0	Chlorophyll a_b binding protein CP24	No Change	0.42	3.7E-02	3	19	51
P05022	ATP synthase subunit alpha_chloroplastic	No Change	0.44	3.4E-07	15	40	807
B6TVL4	Calcium sensing receptor	No Change	0.46	6.1E-04	7	24	151
B4FRH8	Actin_7	No Change	0.47	5.1E-02	10	45	399
O24561	Putative uncharacterized protein	No Change	0.47	6.2E-05	3	14	88
B4FU39	Putative uncharacterized protein	No Change	0.48	1.2E-02	8	24	255
B6SUD1	Alcohol dehydrogenase 2	No Change	0.48	3.7E-03	3	19	53
B6SIM0	Cytochrome c oxidase polypeptide Vb	No Change	0.50	2.9E-01	4	42	34
B6TUA2	Dihydrolipoyllysine_residue acetyltransferase component of pyruvatedehydrogenase complex	No Change	0.50	1.3E-03	4	12	30
B4FR32	NADP_dependent glyceraldehyde_3_phosphate dehydrogenase	No Change	0.52	2.2E-02	5	13	82
B6SSH9	Extracellular ribonuclease LE	No Change	0.52	4.5E-04	3	19	87
P19023	ATP synthase subunit beta_mitochondrial	No Change	0.54	7.1E-07	21	63	1232
P05494	ATP synthase subunit alpha_mitochondrial	No Change	0.56	3.5E-10	8	19	187

Q70L71	NADPH-protochlorophyllide oxidoreductase (Fragment)	No Change	0.56	5.9E-04	6	23	122
B6UF40	Aminotransferase y4uB	No Change	0.57	3.8E-01	2	5	25
B6TG70	Mitochondrial_processing peptidase beta subunit	No Change	0.57	2.4E-01	2	6	46
Q8L8G5	Nucleosome/chromatin assembly factor group A	No Change	0.58	3.0E-02	3	9	19
B4FDL8	Putative uncharacterized protein	No Change	0.59	5.8E-02	2	14	46
B4FS17	Putative uncharacterized protein	No Change	0.60	6.2E-05	9	33	153
Q41799	Calreticulin (Fragment)	No Change	0.61	1.8E-01	3	17	74
B4FAE5	Putative uncharacterized protein	No Change	0.61	2.7E-06	10	29	159
B6T2V3	Photosystem II 11 kD protein	No Change	0.61	1.1E-03	4	32	128
B4FUA1	Chlorophyll a_b binding protein 1	No Change	0.63	2.9E-02	9	65	838
B6SRI3	Photosystem I reaction center subunit III	No Change	0.63	4.1E-08	4	28	68
O65107	Photosystem I reaction center subunit N_chloroplastic (Fragment)	No Change	0.64	6.0E-04	7	53	702
B6ST36	Chloroplast oxygen_evolving complex/thylakoid lumenal 25.6kDa protein	No Change	0.64	7.3E-05	4	22	106
B6SQQ0	Inorganic pyrophosphatase	No Change	0.64	2.6E-04	15	48	1088
B6T7Q7	Serine hydroxymethyltransferase	No Change	0.66	3.9E-02	5	16	46
C0PAW5	Putative uncharacterized protein	No Change	0.66	4.4E-02	19	33	763
O24573	60S acidic ribosomal protein P0	No Change	0.67	3.7E-03	4	18	69
B4FGM4	Endothelial differentiation-related factor 1	No Change	0.67	1.6E-01	2	41	20
B6SZT9	Chlorophyll a_b binding protein	No Change	0.67	1.4E-03	10	53	637
O64411	Polyamine oxidase	No Change	0.69	4.5E-01	5	16	54
B6U5F8	Putative uncharacterized protein	No Change	0.70	3.5E-01	2	28	50
B4FSV4	ATP synthase subunit alpha	No Change	0.70	5.8E-02	2	4	41



B6SIL7	Eukaryotic translation initiation factor 5A	No Change	0.74	5.8E-03	6	46	129
B6SP99	Putative uncharacterized protein	No Change	0.74	2.0E-03	11	40	204
B6U167	Granule_bound starch synthase 1b	No Change	0.75	3.5E-06	6	14	94
P00835	ATP synthase epsilon chain_chloroplastic	No Change	0.76	1.1E-01	3	61	104
Q9FUI0	Ribulose 1,5-bisphosphate carboxylase/oxygenase activase (Fragment)	No Change	0.76	1.8E-09	18	76	1158
B6UB73	APx1_Cytosolic Ascorbate Peroxidase	No Change	0.77	9.6E-09	5	34	221
B6TGG2	2_3_bisphosphoglycerate_independent phosphoglycerate mutase	No Change	0.77	7.8E-04	6	19	78
B6TX09	Fructose-1,6-bisphosphatase, cytosolic	No Change	0.79	1.7E-10	4	16	70
B6SXF5	Pathogenesis_related protein 1	No Change	0.83	3.2E-01	2	23	89
C4IYM7	Putative uncharacterized protein	No Change	0.84	9.4E-02	4	19	73
B4F8V5	NADH_ubiquinone oxidoreductase 75 kDa subunit	No Change	0.87	7.8E-02	3	8	36
C0PFA1	Adenylosuccinate synthetase	No Change	0.88	8.6E-02	3	10	20
B6TIL6	3-ketoacyl-CoA thiolase 2, peroxisomal	No Change	0.99	2.4E-01	2	7	16
B6SSN3	Chlorophyll a-b binding protein 6A	No Change	1.01	1.6E-02	3	23	262
B4FQK0	Putative uncharacterized protein	No Change	1.15	4.7E-02	2	6	40
B4FUI0	Putative uncharacterized protein	No Change	1.23	9.5E-02	2	10	8
B4G1Z4	Putative uncharacterized protein	No Change	1.31	1.5E-02	2	9	24
B4FIA6	Histone H2A	No Change	1.39	6.4E-02	2	24	40
C0HER4	Putative uncharacterized protein	No Change	1.61	3.2E-02	3	7	34
B6TXZ8	Alanine aminotransferase 2	No Change	1.66	2.8E-02	6	22	75
B6SUE4	50S ribosomal protein L5	No Change	2.14	8.9E-02	2	14	23
B6TM40	40S ribosomal protein S3	up in day	0.81	6.8E-03	2	24	15
B4F9E2	Carbonic anhydrase	up in day	0.83	2.5E-14	16	61	494

A5A5E7	Protein disulfide isomerase	up in day	0.85	4.2E-04	5	14	75
C4JBE3	Aminomethyltransferase	up in day	0.87	2.6E-04	5	26	169
Q41746	Chlorophyll a/b-binding apoprotein CP26	up in day	0.88	3.4E-07	9	53	201
B4FJP7	Putative uncharacterized protein	up in day	0.89	8.0E-04	8	35	222
C0HHC4	Nucleoside diphosphate kinase	up in day	0.90	2.8E-04	4	36	116
B6TI20	Oxygen-evolving enhancer protein 3-1	up in day	0.91	9.3E-07	12	55	861
B6TG27	50S ribosomal protein L4	up in day	0.93	1.1E-11	10	33	254
B6SK03	Putative uncharacterized protein	up in day	0.95	4.1E-03	3	21	43
B7ZZ50	Lipoxygenase	up in day	0.95	7.3E-21	12	22	196
B6TL91	Hsc70_interacting protein	up in day	0.96	4.0E-03	3	15	44
B6TN03	Ribosomal protein L1	up in day	0.98	2.4E-10	4	18	168
B4FY16	Elongation factor 1_alpha	up in day	1.00	4.0E-05	5	14	60
B4FWG2	Putative uncharacterized protein	up in day	1.01	1.7E-07	9	42	229
B4FIT6	Putative uncharacterized protein	up in day	1.03	3.8E-08	4	12	55
B4G0N0	Glucose_6_phosphate isomerase	up in day	1.04	2.7E-06	3	7	28
B6T5B4	60S ribosomal protein L23	up in day	1.05	8.6E-05	2	22	37
B6T9J4	Aspartate aminotransferase	up in day	1.05	2.4E-16	10	34	220
O24581	Luminal-binding protein 3	up in day	1.07	2.4E-05	4	7	58
B6T4Q5	Pro-resilin	up in day	1.09	7.3E-11	5	20	103
B4F989	Actin_97	up in day	1.09	1.3E-07	11	50	410
Q6LBU9	GADPH (383 AA) (Fragment)	up in day	1.12	6.1E-26	16	62	1224
B6SZ69	Heat shock cognate 70 kDa protein 2	up in day	1.13	7.4E-12	8	16	174
B6TFK5	Elongation factor Tu	up in day	1.17	1.5E-09	10	33	359
B4F8P6	Malic enzyme	up in day	1.18	3.3E-29	18	44	776
B6TG76	Glyceraldehyde-3-phosphate dehydrogenase, cytosolic 3	up in day	1.19	3.7E-15	2	9	312
P00874	Ribulose biphosphate carboxylase large chain	up in day	1.21	4.4E-08	19	45	1469

B6TDE0	NADP_dependent oxidoreductase P1	up in day	1.21	2.8E-06	4	20	77
A5GZ73	Glucose_1_phosphate adenylyltransferase	up in day	1.25	4.8E-06	5	13	54
P08440	Fructose_bisphosphate aldolase_ cytoplasmic isozyme	up in day	1.25	9.1E-18	7	28	156
B6T9S5	Ferredoxin__NADP reductase	up in day	1.25	3.8E-15	9	28	188
C0PM74	Putative uncharacterized protein	up in day	1.29	5.7E-10	2	12	39
B4FQ59	Phosphoribulokinase	up in day	1.34	2.8E-17	16	54	635
B4FRM7	60S ribosomal protein L12	up in day	1.34	5.9E-03	2	17	55
C4J5G3	Putative uncharacterized protein	up in day	1.35	1.3E-07	6	20	116
B4F8L7	Glyceraldehyde_3_phosphate dehydrogenase B	up in day	1.35	5.1E-26	17	56	919
B4FS55	Peroxiredoxin bcp	up in day	1.35	3.0E-15	10	46	400
Q9ZPJ5	Ran_related GTP binding protein (Fragment)	up in day	1.46	2.3E-09	3	22	49
C5IHC7	Cytosolic orthophosphate dikinase	up in day	1.48	3.8E-35	42	62	3519
Q43274	Aldehyde dehydrogenase	up in day	1.48	3.5E-18	6	18	98
B6TM52	Hsp20/alpha crystallin family protein	up in day	1.49	7.4E-04	4	31	123
B6SJZ8	Glyceraldehyde_3_phosphate dehydrogenase_cytosolic	up in day	1.50	4.6E-07	15	72	626
B4FEH8	Putative uncharacterized protein	up in day	1.50	2.3E-25	11	46	129
B6SQV5	Photosystem II 10 kDa polypeptide	up in day	1.56	7.0E-05	2	8	74
Q7SIC9	Transketolase_chloroplastic	up in day	1.63	5.4E-24	17	40	662
C0HHU2	Putative uncharacterized protein	up in day	1.65	2.2E-08	6	17	129
B6TEC1	Sorbitol dehydrogenase	up in day	1.69	8.7E-06	3	13	49
P24993	Photosystem II reaction center protein H	up in day	1.71	3.9E-03	2	23	32
P0C1M0	ATP synthase subunit gamma_ chloroplastic	up in day	1.74	1.5E-09	3	14	35
B6UCI2	ATP/GTP_binding protein	up in day	1.77	7.8E-10	9	36	128

B4FAD1	S_adenosylmethionine synthetase	up in day	1.79	1.3E-07	5	20	121
P49235	Beta_glucosidase_chloroplastic	up in day	1.81	1.3E-08	5	14	60
B4FP25	40S ribosomal protein S19	up in day	1.82	3.4E-07	3	30	60
Q9SLZ0	Phosphoenolpyruvate carboxykinase [ATP]	up in day	1.84	2.8E-42	23	52	704
Q8W523	Glycine cleavage complex P_protein (Fragment)	up in day	1.87	8.4E-07	3	13	50
P46617	Apocytochrome f	up in day	1.88	3.6E-30	11	29	324
Q41761	Beta_D_glucosidase	up in day	2.02	6.0E-03	9	25	127