SUMMARY

(In accordance with 40 CFR part 152, this summary is available for public release after registration)

STUDY TITLE

Cry34Ab1, Cry35Ab1, Cry1F and PAT Protein Levels in Hybrid Maize TC1507, DAS-59122-7, MON 89034 x TC1507 x MON 88017 x DAS-59122-7, and a Conventional Control from the Monsanto 2006 Production Plan 06-01-52-04

This report reflects data developed and reported in study 061026

DATA REQUIREMENTS

NA

AUTHOR(S)

A. M. Phillips

SUB-REPORT COMPLETED ON

18-January-2008

PERFORMING LABORATORY

Regulatory Laboratories—Indianapolis Lab
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LABORATORY STUDY ID

061026

SUB-REPORT ID

061026.05

Cry34Ab1, Cry35Ab1, Cry1F and PAT Protein Levels in Hybrid Maize TC1507, DAS-59122-7, MON 89034 x TC1507 x MON 88017 x DAS-59122-7, and a Conventional Control from the Monsanto 2006 Production Plan 06-01-52-04

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Maize tissue samples of over-season leaf (OSL), over-season root (OSR), over-season whole plant (OSWP), pollen and grain were collected in 2006 in association with the Monsanto production plan 06-01-52-04. The tissue samples were from the following maize products: TC1507, DAS-59122-7, MON 89034 × TC1507 × MON 88017 × DAS-59122-7 and a conventional control. Tissue samples were sent to Dow AgroSciences Regulatory Laboratories in Indianapolis, Indiana where they were analyzed for Cry34Ab1, Cry35Ab1, Cry1F and PAT proteins by enzyme-linked immunosorbent assay (ELISA). For TC1507, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 34, 13, 13, 23 and 4.6 ng/mg dwt., respectively for Cry1F; and 12, 1.2, 2.8 ng/mg dwt., not detectable, and not detectable, respectively for PAT. For DAS-59122-7, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 250, 150, 230, 98 and 100 ng/mg dwt., respectively for Cry34Ab1; 170, 81, 81, 0.06 and 2.7 ng/mg dwt., respectively for Cry35Ab1; and 24, 4.8, 6.7, not detectable, and 0.09 ng/mg dwt., respectively for PAT. For MON 89034 x TC1507 x MON 88017 x DAS-59122-7, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 280, 150, 200, 120 and 94 ng/mg dwt., respectively for Cry34Ab1; 16, 71, 82, 0.53 and 2.3 ng/mg dwt., respectively for Cry35Ab1; 31, 15, 16, 32 and 7.4 ng/mg dwt., respectively for Cry1F; and 35, 7.3, 12, not detectable, and 0.10 ng/mg dwt., respectively for PAT.

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This report reflects data developed and reported in study 061026

DATA REQUIREMENTS

NA

AUTHOR(S)

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SUB-REPORT COMPLETED ON

18-January-2008

PERFORMING LABORATORY

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LABORATORY STUDY ID

061026

SUB-REPORT ID

061026.05

STATEMENT OF NO DATA CONFIDENTIALITY CLAIMS

Compound: Cry34Ab1, Cry35Ab1, Cry1F, PAT

Title: Cry34Ab1, Cry35Ab1, Cry1F and PAT Protein Levels in Hybrid Maize TC1507, DAS-59122-7, MON 89034 x TC1507 x MON 88017 x DAS-59122-7, and a Conventional Control from the Monsanto 2006 Production Plan 06-01-52-04

No claim of confidentiality is made for any information contained in this study on the basis of its falling within the scope of FIFRA Section 10 (d)(1)(A)(B), or (C).*

Company: Monsanto Company

Company Agent: J. Austin Burns

Title: Regulatory Affairs Manager

Signature: J. Burns

Date: 1/17/08

*In the United States, the above statement supersedes all other statements of confidentiality that may occur elsewhere in this report.

THIS DATA MAY BE CONSIDERED CONFIDENTIAL IN COUNTRIES OUTSIDE THE UNITED STATES.

STATEMENT OF COMPLIANCE WITH GOOD LABORATORY PRACTICE STANDARDS

Title: Cry34Ab1, Cry35Ab1, Cry1F and PAT Protein Levels in Hybrid Maize TC1507, DAS-59122-7, MON 89034 x TC1507 x MON 88017 x DAS-59122-7, and a Conventional Control from the Monsanto 2006 Production Plan 06-01-52-04

Study Initiation Date: 07/24/2006
Experimental Start Date: 07/24/2006 Experiment Termination Date: 10/02/2007

This sub-report represents data generated after the effective date of the EPA FIFRA Good Laboratory Practice Standards.

United States Environmental Protection Agency
Title 40 Code of Federal Regulations Part 160
FEDERAL REGISTER, August 17, 1989

Organisation for Economic Co-Operation and Development
ENV/MC/CHEM(98)17, Paris January 26, 1998

All aspects of this study were conducted in accordance with the requirements for Good Laboratory Practice Standards, 40 CFR 160, with the following exception. Original sample containers of samples shipped from Monsanto were not retained as test substance containers.

Penny K. Hunst — 1/18/08
P. L. Hunst — Date
Sponsor
Dow AgroSciences LLC

J. ann — 1/17/08
Submitter — Date
Monsanto Company

A.M. Phillips — 18-Jan-2008
A. M. Phillips — Sub-Report Completion Date
Study Director/Author
Dow AgroSciences LLC

Dow AgroSciences Quality Assurance Unit

Good Laboratory Practice Statement Page

Compound: Cry34Ab1, Cry35Ab1, Cry1F and PAT Protein

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Study Initiation Date: 24 Jul 2006

Sub-Report Completion Date: 18 Jan 2008

GLP Quality Assurance Inspections

Date of GLP Inspection(s)	Date Reported to the Study Director and to Management	Phases of the Study which received a GLP Inspection by the Quality Assurance Unit
18 Jul 2006	24 Jul 2006	Protocol Review
21 Aug 2007	21 Aug 2007	Extraction of Samples, Preparation of ELISA Plates, ELISA Analysis of Proteins
3-7, 10-13, 20, 26-28 Dec 2007, 7 Jan 2008	7 Jan 2008	Report and Raw Data, Test Substance Container Verification
15, 16 Jan 2008	17 Jan 2008	Sub-Report Review

QUALITY ASSURANCE STATEMENT:

The Quality Assurance Unit has reviewed the sub-report and has determined that the sub-report reflects the raw data generated during the conduct of this study.

Julie Schwake — 18-Jan-2008

Julie Schwake
Dow AgroSciences, Quality Assurance

Date

CERTIFICATION

Dow AgroSciences certifies that this sub-report "Cry34Ab1, Cry35Ab1, Cry1F and PAT Protein Levels in Hybrid Maize TC1507, DAS-59122-7, MON 89034 x TC1507 x MON 88017 x DAS-59122-7, and a Conventional Control from the Monsanto 2006 Production Plan 06-01-52-04", was conducted according to the procedures described herein and that this sub-report represents a true and accurate record of the results obtained.

A. M. Phillips — 18-Jan-2008
A. M. Phillips
Author
Dow AgroSciences LLC
Date

PERSONNEL

The following is a list of the personnel involved with this study conducted at Dow AgroSciences.

Name	Role	Company
Amy Phillips	Study Director	Dow AgroSciences
Sue Fisher	Sample Management	Dow AgroSciences
Bryan Murphy	Sample Management	Kelly Scientific
Andrea O'Shea	Sample Management	Kelly Scientific
Valerie Korjagin	Analyst	Dow AgroSciences
Don Tyler	Analyst	Kelly Scientific
Angelea Thomas	Analyst	Dow AgroSciences

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ABSTRACT

Maize tissue samples of over-season leaf (OSL), over-season root (OSR), over-season whole plant (OSWP), pollen and grain were collected in 2006 in association with the Monsanto production plan 06-01-52-04. The tissue samples were from the following maize products: TC1507, DAS-59122-7, MON 89034 × TC1507 × MON 88017 × DAS-59122-7 and a conventional control. Tissue samples were sent to Dow AgroSciences Regulatory Laboratories in Indianapolis, Indiana where they were analyzed for Cry34Ab1, Cry35Ab1, Cry1F and PAT proteins by enzyme-linked immunosorbent assay (ELISA). For TC1507, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 34, 13, 13, 23 and 4.6 ng/mg dwt., respectively for Cry1F; and 12, 1.2, 2.8 ng/mg dwt., not detectable, and not detectable, respectively for PAT. For DAS-59122-7, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 250, 150, 230, 98 and 100 ng/mg dwt., respectively for Cry34Ab1; 170, 81, 81, 0.06 and 2.7 ng/mg dwt., respectively for Cry35Ab1; and 24, 4.8, 6.7, not detectable, and 0.09 ng/mg dwt., respectively for PAT. For MON 89034 x TC1507 x MON 88017 x DAS-59122-7, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 280, 150, 200, 120 and 94 ng/mg dwt., respectively for Cry34Ab1; 16, 71, 82, 0.53 and 2.3 ng/mg dwt., respectively for Cry35Ab1; 31, 15, 16, 32 and 7.4 ng/mg dwt., respectively for Cry1F; and 35, 7.3, 12, not detectable, and 0.10 ng/mg dwt., respectively for PAT.

INTRODUCTION

Monsanto Company and Agrigenetics (Dow AgroSciences) have used conventional breeding techniques to develop the combined-trait corn product MON 89034 × TC1507 × MON 88017 × DAS-59122-7 that confers herbicide tolerance and insect resistance. Each biotechnology-derived trait contributes specific benefits to the final combined product as follows:

MON 89034 produces two insecticidal proteins that protect against feeding damage caused by European corn borer (*Ostrinia nubilalis*) and other lepidopteran insect pests. MON 89034 produces two *Bacillus thuringiensis* proteins, Cry2Ab2 (subsp. *kurstaki*) protein and Cry1A.105, a modified Cry1A *Bt* protein. The combination of the two insecticidal proteins provides enhanced insect control and offers an additional insect-resistance management tool.

TC1507 produces the *Bacillus thuringiensis* var *aizawai* Cry1F protein to selectively control larvae of the European corn borer (*Ostrinia nubilalis*) and other lepidopteran insect pests. In addition, TC1507 produces the phosphinothricin acetyl transferase (PAT) protein from *Streptomyces viridochromogenes*, to confer tolerance to glufosinate-ammonium, the active ingredient in Liberty® herbicide.

MON 88017 produces a modified *Bacillus thuringiensis* (subsp. *Kumamotoensis*) Cry3Bb1 protein to protect against corn rootworm (CRW) larval feeding. In addition, MON 88017 is a Roundup Ready® corn that produces 5-enolpyruvylshikimate-3-phosphate synthase protein from *Agrobacterium sp.* strain CP4 (CP4 EPSPS), which confers tolerance to glyphosate, the active ingredient in Roundup® agricultural herbicides.

® Liberty is a registered trademark of Bayer CropScience.

® Roundup and Roundup Ready are registered trademarks of Monsanto Technology LLC.

DAS-59122-7 produces the *Bacillus thuringiensis* strain PS149B1 Cry34Ab1 and Cry35Ab1 proteins to protect against coleopteran pests such as corn rootworm. In addition, DAS-59122-7 produces the phosphinothricin acetyl transferase protein (PAT) from *Streptomyces viridochromogenes*, and confers tolerance to glufosinate-ammonium, the active ingredient in Liberty herbicide.

The combination of the biotechnology-derived event MON 89034 × TC1507 × MON 88017 × DAS-59122-7 provides insect protection against lepidopteran and/or coleopteran insect pests and tolerance to the glyphosate and glufosinate herbicide families in a single product generated through conventional breeding techniques.

Samples of maize tissues (over-season leaf (OSL), over-season root (OSR), over-season whole plant (OSWP), pollen and grain) were collected in association with the Monsanto production plan 06-01-52-04. Tissue samples were sent to Dow AgroSciences Regulatory Laboratories in Indianapolis, Indiana where they were analyzed for Cry34Ab1, Cry35Ab1, Cry1F and PAT proteins by enzyme-linked immunosorbent assay (ELISA). This report describes the methodology used and presents the analytical results obtained. Protocol amendments and deviations are described in Table 1.

METHODS AND MATERIALS

Over-season leaf (OSL 1-3), over-season root (OSR 1-3), over-season whole plant (OSWP 1-3), pollen, and grain were harvested from five US field sites in 2006 and used to estimate the levels of the Cry34Ab1, Cry35Ab1, Cry1F and PAT proteins. The field sites were as follows: Jefferson County, IA (site code IA-1); Greene County, IA (site code IA-2); Stark County, IL (site code IL-1); Clinton County, IL (site code IL-2); and York County, NE (site code NE). The over season samples (leaf, root, and whole plant) were collected three times at different growth stages as follows: for leaf (1) V2-V4 stage, (2) V8-V10 stage, and (3) R1 stage; for root (1) V2-V4 stage, (2) V5-V6 stage, and (3) R1 stage; and for whole plant (1) V10-V12 stage, (2) (forage) R4-R5 stage, and (3) R6/maturity stage. Pollen samples were collected during pollen shed (R1)

and grain samples were collected at physiological maturity. The identification of corn growth and development stages were based on the descriptions by Ritchie et al. (1).

Samples were assigned unique Dow AgroSciences sample numbers that were used to track the samples throughout receipt, storage, and analysis. Samples were grouped for identification based upon tissue matrix, collection date and location, and logged into Regulatory Labs Information Management System (RLIMS) system. Samples were transferred frozen to Dow AgroSciences where they were placed into monitored -80 °C frozen storage upon receipt. Table 2 summarizes the dates of field sampling and receipt at Dow AgroSciences for each sample group. Pollen samples were shipped directly to Dow AgroSciences from the field sites, while all other tissue samples were shipped to Dow AgroSciences from Monsanto Company. All tissue samples except pollen were prepared by processing at Monsanto prior to shipment to Dow AgroSciences.

After receipt at Dow AgroSciences, the samples (except pollen) were prepared by lyophilizing and then grinding to fine powder using a Geno Grinder. Pollen samples were lyophilized with no further preparation. After preparation, the samples were stored frozen at approximately -80 °C. The treatment codes of the samples in this study are described in the table below.

Material Code	Description
17101	DAS-59122-7
17103	TC1507
17108	MON 89034 × TC1507 × MON 88017 × DAS-59122-7
17109	Conventional Control

Reference Materials/Analytical Standards for ELISA Analysis

The analytical standards used as the reference materials were:

Name	TSN[a]	Concentration	Reference
Cry34Ab1 protein standard	104874	0.248 mg/mL	2
Cry35Ab1 protein standard	104066	0.187 mg/mL	3
Cry1F protein standard	104301	0.164 mg/mL	4
PAT protein standard	105742	300 µg/mL	5

[a] TSN = Test Substance Number.

Determination of Cry34Ab1 Protein in Maize Samples

Samples of maize tissues were analyzed for the amount of Cry34Ab1 protein using the Dow AgroSciences draft method GRM 04.07 (6). In this method, the soluble extractable Cry34Ab1 protein was quantified using an enzyme-linked immunosorbent assay (ELISA) kit purchased from Beacon Analytical Systems Inc., Portland, ME.

In the analytical method, the Cry34Ab1 protein was extracted from maize samples with a phosphate buffered saline solution containing 0.05% Tween 20 and 1% polyvinylpyrrolidone (PBST/PVP). The extract was centrifuged; the aqueous supernatant was collected, diluted if necessary and assayed using a specific Cry34Ab1 ELISA kit. A sequential sandwich ELISA format was applied in this assay. An aliquot of the diluted sample was incubated with an immobilized anti-Cry34Ab1 polyclonal antibody coated in the wells of a plate, and then the unbound reagents were removed from the plate by washing with PBST. An excess amount of enzyme-conjugated anti-Cry34Ab1 protein monoclonal antibody was added in the wells for incubation. These antibodies bind with Cry34Ab1 protein in the wells and form a sandwich with the immobilized antibody. The presence of Cry34Ab1 was detected by incubating the antibody-bound enzyme conjugate with an enzyme substrate, generating a colored product. Since the Cry34Ab1 was bound in the antibody sandwich, the level of color development was related to the concentration of Cry34Ab1 in the sample (i.e., lower protein concentrations result in lower color development). The absorbance at 450 nm minus 650 nm was measured using a Molecular Devices V-max or SpectraMax 190 plate reader. A calibration curve was generated using the Cry34Ab1 standards and the Cry34Ab1 concentration in unknown samples was calculated from the polynomial regression equation using Soft-MAX Pro™ software, which was compatible with

the plate reader. Samples were analyzed in duplicate wells with the average concentration of the duplicate wells being reported.

Determination of Cry35Ab1 Protein in Maize Samples

Samples of maize tissues were analyzed for the amount of Cry35Ab1 protein using the Dow AgroSciences validated method GRM 03.13 (7). In this method, the soluble extractable Cry35Ab1 protein was quantified using an enzyme-linked immunosorbent assay (ELISA) kit purchased from Beacon Analytical Systems Inc., Portland, ME.

In the analytical method, the Cry35Ab1 protein was extracted from maize samples with a phosphate buffered saline solution containing 0.05% Tween 20 and 1% polyvinylpyrrolidone (PBST/PVP). The extract was centrifuged; the aqueous supernatant was collected, diluted if necessary and assayed using a specific Cry35Ab1 ELISA kit. A sequential sandwich ELISA format was applied in this assay. An aliquot of the diluted sample was incubated with an immobilized anti-Cry35Ab1 monoclonal antibody coated in the wells of a plate, and then the unbound reagents were removed from the plate by washing with PBST. An excess amount of enzyme-conjugated anti-Cry35Ab1 protein monoclonal antibody was added in the wells for incubation. These antibodies bind with Cry35Ab1 protein in the wells and form a sandwich with the immobilized antibody. The presence of Cry35Ab1 was detected by incubating the antibody-bound enzyme conjugate with an enzyme substrate, generating a colored product. Since the Cry35Ab1 was bound in the antibody sandwich, the level of color development was related to the concentration of Cry35Ab1 in the sample (i.e., lower protein concentrations result in lower color development). The absorbance at 450 nm minus 650 nm was measured using a Molecular Devices V-max or SpectraMax 190 plate reader. A calibration curve was generated using the Cry35Ab1 standards and the Cry35Ab1 concentration in unknown samples was calculated from the polynomial regression equation using Soft-MAX Pro™ software, which was compatible with the plate reader. Samples were analyzed in duplicate wells with the average concentration of the duplicate wells being reported.

Determination of Cry1F Protein in Maize Samples

Samples of maize tissues were analyzed for the amount of Cry1F protein using the Dow AgroSciences validated method GRM 02.30 (8). In this method, the soluble extractable Cry1F protein was quantified using an enzyme-linked immunosorbent assay (ELISA) kit purchased from Strategic Diagnostic Inc. (SDI) Newark, DE.

In the analytical method, the Cry1F protein was extracted from maize samples with a phosphate buffered saline solution containing 0.05% Tween 20 and 1% polyvinylpyrrolidone (PBST/PVP). The extract was centrifuged; the aqueous supernatant was collected, diluted if necessary and assayed using a specific Cry1F ELISA kit. An aliquot of the diluted sample was incubated with enzyme-conjugated anti-Cry1F protein monoclonal antibody in the wells of an anti-Cry1F polyclonal antibody coated plate in a sandwich ELISA format. Both antibodies in the sandwich pair captured the Cry1F protein in the sample. At the end of the incubation period, the unbound reagents were removed from the plate by washing with PBST. The presence of Cry1F was detected by incubating the antibody-bound enzyme conjugate with an enzyme substrate, generating a colored product. Since the Cry1F is bound in the antibody sandwich, the level of color development was related to the concentration of Cry1F in the sample (i.e., lower protein concentrations result in lower color development). The absorbance at 450 nm minus 650 nm was measured using a Molecular Devices V-max or SpectraMax 190 plate reader. A calibration curve was generated using the Cry1F standards and the Cry1F concentration in unknown samples was calculated from the polynomial regression equation using Soft-MAX Pro™ software which was compatible with the plate reader. Samples were analyzed in duplicate wells with the average concentration of the duplicate wells being reported.

Determination of PAT Protein in Maize Samples

Samples of maize tissues were analyzed for the amount of PAT protein using the Dow AgroSciences draft method referenced in DAS databook C2148 (9). In this draft method, the

soluble extractable PAT protein was quantified using an ELISA kit purchased from EnviroLogix, Inc., Portland, ME.

The PAT protein was extracted from maize samples with a phosphate buffered saline solution containing 0.05% Tween 20 and 1% polyvinylpyrrolidone (PBST/PVP). The extract was centrifuged; the aqueous supernatant collected, diluted if necessary and assayed using a specific PAT ELISA kit. An aliquot of the diluted sample was incubated with enzyme-conjugated anti-PAT protein polyclonal antibody in the wells of an anti-PAT monoclonal antibody coated plate in a sandwich ELISA format. Both antibodies in the sandwich pair capture the PAT protein in the sample. At the end of the incubation period, the unbound reagents were removed from the plate by washing with PBST. The presence of PAT was detected by incubating the antibody-bound enzyme conjugate with an enzyme substrate, generating a colored product. Since the PAT was bound in the antibody sandwich, the level of color development was related to the concentration of PAT in the sample (i.e., lower protein concentrations result in lower color development). The absorbance at 450 nm minus 650 nm was measured using a Molecular Devices V-max or SpectraMax 190 plate reader. A calibration curve was generated using the PAT standards and the PAT concentration in unknown samples was calculated from the polynomial regression equation using Soft-MAX Pro™ software, which was compatible with the plate reader. Samples were analyzed in duplicate wells with the average concentration of the duplicate wells being reported.

ELISA Limit of Quantitation for Maize Samples

The limit of quantitation (LOQ) for each maize matrix was determined during the method validation for the methods described above. Samples were reported as not detectable (ND) if the sample was less than the method limit of detection (LOD). Reported sample concentrations that are less than the method LOQ values (shown in table below) are reported with a reduced precision compared to results reported above the LOQ values (10).

Matrix	Cry34Ab1		Cry35Ab1		Cry1F		PAT	
	LOD[a]	LOQ[a]	LOD	LOQ	LOD	LOQ	LOD	LOQ
OSL 1-3	0.03	0.072	0.03	0.06	0.025	0.1	0.025	0.06
OSR 1-3	0.03	0.072	0.03	0.06	0.025	0.1	0.025	0.06
OSWP 1-3	0.03	0.072	0.03	0.06	0.025	0.1	0.025	0.06
Pollen	0.03	0.144	0.03	0.06	0.025	0.1	0.025	0.06
Grain	0.03	0.072	0.03	0.06	0.025	0.1	0.025	0.06

[a] Units of ng/mg.

Statistical Treatment of Data

The descriptive statistics used for this study were means, standard deviations, and regression analysis.

RESULTS AND DISCUSSION

The maize matrices of leaf (OSL1-3), root (OSR1-3), whole plant (OSWP1-3), pollen and grain were analyzed for expression levels of Cry34Ab1, Cry35Ab1, Cry1F, and PAT proteins. Protein concentrations in the matrices (ng/mg) are expressed on a dry tissue weight basis. The Cry34Ab1, Cry35Ab1, Cry1F, or PAT concentration was reported as not detected (ND) if the sample concentration was less than the method LOD. The Cry34Ab1, Cry35Ab1, Cry1F, or PAT concentration was reported as the value in parentheses (0.XX) if the concentration was less than the validated method LOQ but greater than the method LOD. Values reported in parentheses (below LOQ) have a reduced precision compared to values above the LOQ.

A summary of the Cry34Ab1, Cry35Ab1, Cry1F, and PAT protein concentrations (averaged across sites) in the various corn matrices is shown in Tables 3-6, respectively. For TC1507, Cry1F protein concentrations ranged from 2.4 ng/mg in grain, to 34 ng/mg in OSL-1. PAT protein concentrations ranged from not detected (ND) in pollen, grain and OSWP-3, to 12 ng/mg in OSL-2.

For DAS-59122-7, Cry34Ab1 protein concentrations ranged from 44 ng/mg in grain, to 250 ng/mg in OSL-3. Cry35Ab1 protein concentrations ranged from not detected (ND) in pollen, to 170 ng/mg in OSL-3. PAT protein concentrations ranged from not detected (ND) in pollen and OSWP-3, to 24 ng/mg in OSL-3.

For MON 89034 x TC1507 x MON 88017 x DAS-59122-7, Cry34Ab1 protein concentrations ranged from 48 ng/mg in grain, to 280 ng/mg in OSL-3. Cry35Ab1 protein concentrations ranged from not detected (ND) in pollen, to 160 ng/mg in OSL-3. Cry1F protein concentrations ranged from 2.1 ng/mg in grain, to 32 ng/mg in pollen. PAT protein concentrations ranged from not detected (ND) in pollen, grain and OSWP-3, to 35 ng/mg in OSL-1.

Cry34Ab1, Cry35Ab1, and Cry1F protein expression levels were similar in the combined trait products when compared to the individual events (TC1507 and DAS-59122-7). For the PAT protein, expression was higher in the combined trait products as compared to the individual events (TC1507 and DAS-59122-7). This was likely due to the presence of multiple copies of the *pat* gene in the stacks (one from each of the DAS parent lines).

The Cry35Ab1, Cry1F and PAT proteins were not detected above the method LOQ in any control samples, with the exception of one OSWP-2 sample (MH061026-018-0019) which contained all proteins (Cry34Ab1, Cry35Ab1, Cry1F and PAT) at similar levels as test samples. For Cry34Ab1, only the following control samples contained Cry34Ab1 protein above the method LOQ: 3 pollen samples, 2 OSL-3 samples and 1 OSWP-3 sample. Protein levels found in control samples were very low and usually near the method LOQ. Results for individual samples can be found in Appendices A, B, C, and D for Cry34Ab1, Cry35Ab1, Cry1F, and PAT proteins, respectively.

CONCLUSIONS

For TC1507, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 34, 13, 13, 23 and 4.6 ng/mg dwt., respectively for Cry1F; and 12, 1.2, 2.8 ng/mg dwt., not

detectable, and not detectable, respectively for PAT. For DAS-59122-7, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 250, 150, 230, 98 and 100 ng/mg dwt., respectively for Cry34Ab1; 170, 81, 81, 0.06 and 2.7 ng/mg dwt., respectively for Cry35Ab1; and 24, 4.8, 6.7, not detectable, and 0.09 ng/mg dwt., respectively for PAT. For MON 89034 x TC1507 x MON 88017 x DAS-59122-7, the maximum observed protein levels in leaf, root, whole plant, pollen, and grain were 280, 150, 200, 120 and 94 ng/mg dwt., respectively for Cry34Ab1; 16, 71, 82, 0.53 and 2.3 ng/mg dwt., respectively for Cry35Ab1; 31, 15, 16, 32 and 7.4 ng/mg dwt., respectively for Cry1F; and 35, 7.3, 12, not detectable, and 0.10 ng/mg dwt., respectively for PAT.

ARCHIVING

The final report, protocol and all raw data (including verified and signed copies) associated with this study will be filed in the Dow AgroSciences facility archives, Indianapolis, Indiana upon issuing the final report.

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Table 1. Study Amendments and Deviations.

Protocol Amendments	
	Description
1	The ELISA method for PAT protein was changed based on the use of a new ELISA kit. In addition, the ELISA method for Cry34Ab1 was designated as draft since it is not yet finalized.
Protocol Deviations	
1	Some of the samples were received prior to finalization of the protocol. Samples that were received during this time were stored frozen at approximately -80°C or lyophilized. All sample movements were documented.
2	Due to larger than expected sample size, some leaf samples were homogenized and aliquoted prior to fine grinding. For some whole plant samples, samples were coarse ground prior to lyophilization. This was documented as a deviation since sample preparation did not occur as per the original protocol.
3	Due to a contamination of samples that occurred during sample preparation (during coarse grinding with an Agvise Hammermill), additional sample aliquots of each sample of leaf, whole plant, root and grain were received for analysis. The leaf, whole plant, root and grain samples were received already coarsely homogenized, and they were lyophilized and geno ground. Pollen samples from the original shipment were deemed acceptable since they were not processed with the Hammermill.
4	1. References to the certificates of analysis of the starting seed were not added to the protocol. 2. The validation data will not be added to the study file for each method. The LOQ for PAT used in the study was 0.06 ng/mg. 3. During analysis of the pollen samples, some of the pollen samples from Material Codes 17101 and 17105 were analyzed for Cry1F. This data was not reported. Also, additional material codes from Monsanto production plan 06-01-52-04 which were not listed in the protocol, were shipped to DAS. Some pollen samples from these material codes were analyzed but not reported. 4. Not all samples were lyophilized within 21 days as per protocol. This is not expected to have an adverse impact on the samples since samples were stored at Monsanto for several months before shipment. 5. In some cases the number of geno grinder cycles was not documented. This deviation did not have an adverse impact on the samples as expression values were within expected ranges.

Table 2. Sample Collection and Receipt Dates

Sample Group Number[a]	Site	Description	Field Collection Date	Date Received at DAS
MH061026-001	061026IA1	OSL-1	20-Jun-06	24-Apr-07
MH061026-002	061026IA1	OSL-2	5-Jul-06	24-Apr-07
MH061026-003	061026IA1	OSL-3	31-Jul-06	24-Apr-07
MH061026-004	061026IA1	OSR-1	20-Jun-06	24-Apr-07
MH061026-005	061026IA1	OSR-2	27-Jun-06	24-Apr-07
MH061026-006	061026IA1	OSR-3	31-Jul-06	24-Apr-07
MH061026-007	061026IA1	OSWP-1	11-Jul-06	24-Apr-07
MH061026-008	061026IA1	OSWP-2	29-Aug-06	24-Apr-07
MH061026-009	061026IA1	OSWP-3	26-Sep-06	24-Apr-07
MH061026-010	061026IA1	Grain	26-Sep-06	24-Apr-07
061026-010	061026IA1	Pollen	29-Jul-06 31-Jul-06[b]	2-Aug-06
MH061026-011	061026IA2	OSL-1	19-Jun-06	24-Apr-07
MH061026-012	061026IA2	OSL-2	11-Jul-06	24-Apr-07
MH061026-013	061026IA2	OSL-3	31-Jul-06	24-Apr-07
MH061026-014	061026IA2	OSR-1	19-Jun-06	24-Apr-07
MH061026-015	061026IA2	OSR-2	30-Jun-06	24-Apr-07
MH061026-016	061026IA2	OSR-3	31-Jul-06	24-Apr-07
MH061026-017	061026IA2	OSWP-1	16-Jul-06	24-Apr-07
MH061026-018	061026IA2	OSWP-2	21-Aug-06	24-Apr-07
MH061026-019	061026IA2	OSWP-3	3-Oct-06	24-Apr-07
MH061026-020	061026IA2	Grain	3-Oct-06	24-Apr-07
061026-021	061026IA2	Pollen	30-Jul-06 31-Jul-06[b]	2-Aug-06
MH061026-021	061026IL1	OSL-1	19-Jun-06	24-Apr-07
MH061026-022	061026IL1	OSL-2	10-Jul-06	24-Apr-07
MH061026-023	061026IL1	OSL-3	31-Jul-06	24-Apr-07
MH061026-024	061026IL1	OSR-1	19-Jun-06	24-Apr-07
MH061026-025	061026IL1	OSR-2	28-Jun-06	24-Apr-07
MH061026-026	061026IL1	OSR-3	31-Jul-06	24-Apr-07
MH061026-027	061026IL1	OSWP-1	13-Jul-06	24-Apr-07

Table 2. (Cont.) Sample Collection and Receipt Dates

Sample Group Number[a]	Site	Description	Field Collection Date	Date Received at DAS
MH061026-028	061026IL1	OSWP-2	30-Aug-06	24-Apr-07
MH061026-029	061026IL1	OSWP-3	23-Oct-06	24-Apr-07
MH061026-030	061026IL1	Grain	23-Oct-06	24-Apr-07
061026-032	061026IL1	Pollen	1-Aug-06	2-Aug-06
MH061026-031	061026IL2	OSL-1	20-Jun-06	24-Apr-07
MH061026-032	061026IL2	OSL-2	5-Jul-06	24-Apr-07
MH061026-033	061026IL2	OSL-3	26-Jul-06	24-Apr-07
MH061026-034	061026IL2	OSR-1	20-Jun-06	24-Apr-07
MH061026-035	061026IL2	OSR-2	27-Jun-06	24-Apr-07
MH061026-036	061026IL2	OSR-3	26-Jul-06	24-Apr-07
MH061026-037	061026IL2	OSWP-1	12-Jul-06	24-Apr-07
MH061026-038	061026IL2	OSWP-2	28-Aug-06	24-Apr-07
MH061026-039	061026IL2	OSWP-3	30-Oct-06	24-Apr-07
MH061026-040	061026IL2	Grain	30-Oct-06	24-Apr-07
061026-043	061026IL2	Pollen	26-Jul-06 27-Jul-06[b] 28-Jul-06[b]	3-Aug-06
MH061026-041	061026NE	OSL-1	13-Jun-06	24-Apr-07
MH061026-042	061026NE	OSL-2	11-Jul-06	24-Apr-07
MH061026-043	061026NE	OSL-3	31-Jul-06	24-Apr-07
MH061026-044	061026NE	OSR-1	13-Jun-06	24-Apr-07
MH061026-045	061026NE	OSR-2	28-Jun-06	24-Apr-07
MH061026-046	061026NE	OSR-3	31-Jul-06	24-Apr-07
MH061026-047	061026NE	OSWP-1	17-Jul-06	24-Apr-07
MH061026-048	061026NE	OSWP-2	29-Aug-06	24-Apr-07
MH061026-049	061026NE	OSWP-3	16-Oct-06	24-Apr-07
MH061026-050	061026NE	Grain	17-Oct-06	24-Apr-07
061026-054	061026NE	Pollen	29-Jul-06	1-Aug-06

[a] Sample group numbers with MH as a prefix were received on 24-Apr-07 from Monsanto and samples without the MH prefix were received directly from the field sites.

[b] Multiple sample collection dates for pollen.

Table 3. Summary of Cry34Ab1 Protein Levels in Corn Tissues Collected from U.S. Field Trials Conducted in 2006

Maize Tissue[1]	Maize Line	Cry34Ab1 ng/mg dwt.[2] Mean	Std. Dev.	Range[3]
OSL-1	DAS-59122-7	92.3	16.7	71.5 - 118
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	92.3	19.5	71.9 - 141
OSL-2	DAS-59122-7	124	23.8	101 - 176[3]
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	117	21.3	91.1 – 159
OSL-3	DAS-59122-7	184	28.3	143 – 252
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	171	42.7	115 – 279
OSR-1	DAS-59122-7	105	18.6	76.4 - 147[3]
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	105	21.0	84.2 – 150[3]
OSR-2	DAS-59122-7	90.9	17.3	65.0 – 132
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	90.1	8.82	77.2 - 113[3]
OSR-3	DAS-59122-7	85.4	12.0	65.2 – 112
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	84.6	10.9	73.6 – 111
OSWP-1	DAS-59122-7	106	20.2	84.3 – 153
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	98.4	16.6	82.1 – 141
OSWP-2	DAS-59122-7	168	32.4	117 – 233
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	157	22.3	113 – 194

Table 3 (Cont.). Summary of Cry34Ab1 Protein Levels in Corn Tissues Collected from U.S. Field Trials Conducted in 2006

Maize Tissue[1]	Maize Line	Cry34Ab1 ng/mg dwt.[2] Mean	Std. Dev.	Range[3]
OSWP-3	DAS-59122-7	127	38.7	75.8 – 192
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	134	44.9	64.1 – 196
Pollen	DAS-59122-7	84.4	7.21	68.0 - 97.8
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	92.2	11.3	77.5 – 117
Grain	DAS-59122-7	66.5	14.1	43.6 – 102
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	62.6	11.4	47.8 - 94.0

1. Tissues collected at the following approximate growth stages (Ritchie et al., 1997):
   a. OSL-1: V2 – V4; OSL-2: V8-V10; OSL-3: R1
   b. OSR-1: V2 – V4; OSR-2: V5-V6; OSR-3: R1
   c. OSWP-1: V10 – V12; OSWP-2: R4 – R5; OSWP-3: R6
   d. Pollen: during pollen shed (R1)
   e. Grain: R6/maturity
2. Protein levels are expressed as ng/mg on a dry weight (dwt) basis.
3. Minimum and maximum values were determined for each tissue type across sites (n=15).
   For OSL-2, DAS-59122-7, range does not include 1 IA2 sample at ND (not detected).
   For OSR-1, DAS-59122-7 n=14, and MON 89034 × TC1507 × MON 88017 × DAS-59122-7 n=13, due to insufficient sample amount.
   For OSR-2, MON 89034 × TC1507 × MON 88017 × DAS-59122-7, range does not include 1 low NE sample at 0.12 ng/mg.

Table 4. Summary of Cry35Ab1 Protein Levels in Corn Tissues Collected from U.S. Field Trials Conducted in 2006

Maize Tissue[1]	Maize Line	Cry35Ab1 ng/mg dwt.[2] Mean	Std. Dev.	Range[3]
OSL-1	DAS-59122-7	70.2	13.1	48.2 - 86.0
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	69.4	17.7	45.4 - 96.1
OSL-2	DAS-59122-7	79.0	16.9	60.0 - 113[3]
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	74.1	14.0	51.4 - 101
OSL-3	DAS-59122-7	137	20.0	105 - 172
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	121	31.7	38.5 - 158
OSR-1	DAS-59122-7	52.9	15.0	31.7 - 80.5[3]
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	49.5	11.1	39.0 - 70.5[3]
OSR-2	DAS-59122-7	41.5	13.2	21.9 - 60.5
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	39.3	8.81	25.4 - 58.7[3]
OSR-3	DAS-59122-7	18.3	5.40	1.00 - 24.0
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	18.9	3.93	13.8 - 26.1
OSWP-1	DAS-59122-7	58.3	9.18	45.9 - 80.7
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	55.8	11.9	39.6 - 82.3
OSWP-2	DAS-59122-7	37.1	6.78	26.8 - 54.4
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	33.6	4.67	27.7 - 42.3

Table 4 (Cont.). Summary of Cry35Ab1 Protein Levels in Corn Tissues Collected from U.S. Field rials Conducted in 2006

Maize Tissue[1]	Maize Line	Cry35Ab1 ng/mg dwt.[2] Mean	Std. Dev.	Range[3]
OSWP-3	DAS-59122-7	17.8	8.61	2.54 - 30.6
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	18.9	6.84	11.2 - 31.3
Pollen	DAS-59122-7	(0.03)[4]	0.01	ND - 0.057
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	0.09	0.14	ND - 0.53
Grain	DAS-59122-7	1.86	0.37	1.18 - 2.65
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	1.69	0.28	1.24 - 2.31

1. Tissues collected at the following approximate growth stages (Ritchie et al., 1997):
   a. OSL-1: V2 – V4; OSL-2: V8-V10; OSL-3: R1
   b. OSR-1: V2 – V4; OSR-2: V5-V6; OSR-3: R1
   c. OSWP-1: V10 – V12; OSWP-2: R4 – R5; OSWP-3: R6
   d. Pollen: during pollen shed (R1)
   e. Grain: R6/maturity
2. Protein levels are expressed as ng/mg on a dry weight (dwt) basis.
3. Minimum and maximum values were determined for each tissue type across sites (n=15).
   For OSL-2, DAS-59122-7, range does not include 1 IA2 sample at ND (not detected).
   For OSR-1, DAS-59122-7 n=14, and MON 89034 × TC1507 × MON 88017 × DAS-59122-7 n=13, due to insufficient sample amount.
   For OSR-2, MON 89034 × TC1507 × MON 88017 × DAS-59122-7, range does not include 1 low NE sample at 0.05 ng/mg.
4. Values in parentheses are between the method LOD and LOQ.

Table 5. Summary of Cry1F Protein Levels in Corn Tissues Collected from U.S. Field Trials Conducted in 2006

Maize Tissue[1]	Maize Line	Cry1F ng/mg dwt.[2] Mean	Std. Dev.	Range[3]
OSL-1	TC1507	22.8	5.83	15.5 - 34.3
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	22.5	5.57	15.4 - 31.1
OSL-2	TC1507	15.1	4.37	9.84 - 23.6
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	15.0	3.40	10.9 - 21.4
OSL-3	TC1507	17.9	3.52	12.7 - 24.6
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	20.0	4.34	14.6 - 29.5
OSR-1	TC1507	11.0	1.51	8.62 - 13.2[3]
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	11.8	2.37	5.85 - 14.7[3]
OSR-2	TC1507	8.54	1.97	4.95 - 11.3
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	8.31	2.92	3.19 - 13.8[3]
OSR-3	TC1507	5.32	1.06	3.63 - 6.97
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	5.97	1.26	4.46 - 8.71
OSWP-1	TC1507	10.0	1.97	6.85 - 13.0
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	11.2	2.27	7.53 - 15.8
OSWP-2	TC1507	7.69	1.85	4.65 - 10.6
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	9.00	1.76	6.29 - 12.2

Table 5 (Cont.). Summary of Cry1F Protein Levels in Corn Tissues Collected from U.S. Field Trials Conducted in 2006

Maize Tissue[1]	Maize Line	Cry1F ng/mg dwt.[2] Mean	Std. Dev.	Range[3]
OSWP-3	TC1507	4.10	1.29	2.71 - 6.79
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	4.91	1.33	2.77 - 8.02
Pollen	TC1507	20.3	2.99	14.5 - 23.1
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	22.1	4.51	14.3 - 32.2
Grain	TC1507	3.15	0.63	2.43 - 4.58
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	3.34	1.23	2.12 - 7.43

1. Tissues collected at the following approximate growth stages (Ritchie et al., 1997):
   a. OSL-1: V2 – V4; OSL-2: V8-V10; OSL-3: R1
   b. OSR-1: V2 – V4; OSR-2: V5-V6; OSR-3: R1
   c. OSWP-1: V10 – V12; OSWP-2: R4 – R5; OSWP-3: R6
   d. Pollen: during pollen shed (R1)
   e. Grain: R6/maturity
2. Protein levels are expressed as ng/mg on a dry weight (dwt) basis.
3. Minimum and maximum values were determined for each tissue type across sites (n=15).
   For OSR-1, TC1507 n=14, and MON 89034 × TC1507 × MON 88017 × DAS-59122-7 n=13, due to insufficient sample amount.
   For OSR-2, MON 89034 × TC1507 × MON 88017 × DAS-59122-7, range does not include 2 samples at ND (not detected).

Table 6. Summary of PAT Protein Levels in Corn Tissues Collected from U.S. Field Trials Conducted in 2006

Maize Tissue[1]	Maize Line	PAT ng/mg dwt.[2] Mean	Std. Dev.	Range[3]
OSL-1	DAS-59122-7	16.9	3.96	11.4 - 22.9
	TC1507	6.94	1.38	4.70 - 9.94
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	25.0	5.31	18.1 - 34.9
OSL-2	DAS-59122-7	14.6	3.34	9.43 - 19.6[3]
	TC1507	7.42	2.31	4.81 - 12.4
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	21.5	3.61	14.6 - 26.4
OSL-3	DAS-59122-7	19.5	3.38	13.2 - 24.3
	TC1507	7.92	2.19	5.15 - 12.3
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	26.3	4.41	17.0 - 32.4
OSR-1	DAS-59122-7	2.39	0.71	0.77 - 3.53[3]
	TC1507	0.69	0.19	0.20 - 0.90[3]
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	3.74	1.24	2.39 - 7.34[3]
OSR-2	DAS-59122-7	2.69	0.92	1.02 - 4.77
	TC1507	0.80	0.28	0.40 - 1.17
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	3.84	1.26	1.80 - 6.05[3]
OSR-3	DAS-59122-7	0.94	0.40	0.28 - 1.62
	TC1507	0.26	0.08	0.16 - 0.44
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	1.10	0.43	0.36 - 1.85

Table 6 (Cont.). Summary of PAT Protein Levels in Corn Tissues Collected from U.S. Field Trials Conducted in 2006

Maize Tissue[1]	Maize Line	PAT ng/mg dwt.[2] Mean	Std. Dev.	Range[3]
OSWP-1	DAS-59122-7	4.61	1.04	2.90 - 6.72
	TC1507	1.86	0.53	1.01 - 2.76
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	7.43	2.47	4.33 - 11.9
OSWP-2	DAS-59122-7	1.58	0.64	0.70 - 2.97
	TC1507	0.52	0.16	0.26 – 0.81
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	2.51	0.86	1.56 - 4.45
OSWP-3	DAS-59122-7	0.16	0.16	ND - 0.49
	TC1507	(0.05)[4]	0.06	ND - 0.17
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	0.22	0.23	ND - 0.80
Pollen	DAS-59122-7	ND	NA	ND - ND
	TC1507	ND	NA	ND - ND
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	ND	NA	ND - ND
Grain	DAS-59122-7	(0.049)[4]	0.018	(0.026)[4] - 0.091
	TC1507	ND	NA	ND - ND
	MON 89034 × TC1507 × MON 88017 × DAS-59122-7	(0.050)[4]	0.023	ND - 0.10

1. Tissues collected at the following approximate growth stages (Ritchie et al., 1997):
   a. OSL-1: V2 – V4; OSL-2: V8-V10; OSL-3: R1
   b. OSR-1: V2 – V4; OSR-2: V5-V6; OSR-3: R1
   c. OSWP-1: V10 – V12; OSWP-2: R4 – R5; OSWP-3: R6
   d. Pollen: during pollen shed (R1)
   e. Grain: R6/maturity
2. Protein levels are expressed as ng/mg on a dry weight (dwt) basis.
3. Minimum and maximum values were determined for each tissue type across sites (n=15). For OSL-2, DAS-59122-7, range does not include 1 IA2 sample at ND (not detected). For OSR-1, DAS-59122-7 and TC1507 n=14, and MON 89034 × TC1507 × MON 88017 × DAS-59122-7 n=13, due to insufficient sample amount. For OSR-2, MON 89034 × TC1507 × MON 88017 × DAS-59122-7, range does not include 1 sample at ND (not detected).
4. Values in parentheses are between the method LOD and LOQ.

Appendix A—Cry34Ab1 Expression Data from Individual Samples

Appendix A Table 1. Expression Levels of Cry34Ab1 in OSL-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-001-0001	IA1 OSL1 Trt 17101	18-Jun-07	15	1.5	500	854.12	85.41	85.41
MH061026-001-0002	IA1 OSL1 Trt 17101	18-Jun-07	15	1.5	500	844.27	84.43	84.43
MH061026-001-0003	IA1 OSL1 Trt 17101	18-Jun-07	15	1.5	500	908.35	90.84	90.84
MH061026-011-0001	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	500	715.01	71.50	71.50
MH061026-011-0002	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	500	744.72	74.47	74.47
MH061026-011-0003	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	500	764.28	76.43	76.43
MH061026-021-0001	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	500	945.87	94.59	94.59
MH061026-021-0002	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	500	766.90	76.69	76.69
MH061026-021-0003	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	500	769.91	76.99	76.99
MH061026-031-0001	IL2 OSL1 Trt 17101	12-Jul-07	15	1.5	500	1182.64	118.26	118.26
MH061026-031-0002	IL2 OSL1 Trt 17101	12-Jul-07	15	1.5	500	1176.18	117.62	117.62
MH061026-031-0003	IL2 OSL1 Trt 17101	12-Jul-07	15	1.5	500	1183.71	118.37	118.37
MH061026-041-0001	NE OSL1 Trt 17101	13-Jul-07	15	1.5	500	910.23	91.02	91.02
MH061026-041-0002	NE OSL1 Trt 17101	13-Jul-07	15	1.5	500	995.58	99.56	99.56
MH061026-041-0003	NE OSL1 Trt 17101	13-Jul-07	15	1.5	500	1088.00	108.80	108.80
							Mean =	92.3
							Std dev. =	16.7
MH061026-001-0016	IA1 OSL1 Trt 17108	18-Jun-07	15	1.5	500	835.60	83.56	83.56
MH061026-001-0017	IA1 OSL1 Trt 17108	18-Jun-07	15	1.5	500	816.84	81.68	81.68
MH061026-001-0018	IA1 OSL1 Trt 17108	18-Jun-07	15	1.5	500	792.53	79.25	79.25
MH061026-011-0016	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	500	810.83	81.08	81.08
MH061026-011-0017	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	500	870.08	87.01	87.01
MH061026-011-0018	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	500	822.17	82.22	82.22
MH061026-021-0016	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	500	766.93	76.69	76.69
MH061026-021-0017	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	500	718.75	71.87	71.87
MH061026-021-0018	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	500	798.22	79.82	79.82
MH061026-031-0016	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	500	1177.26	117.73	117.73
MH061026-031-0017	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	500	1408.58	140.86	140.86
MH061026-031-0018	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	500	1205.30	120.53	120.53
MH061026-041-0016	NE OSL1 Trt 17108	13-Jul-07	15	1.5	500	995.58	99.56	99.56
MH061026-041-0017	NE OSL1 Trt 17108	13-Jul-07	15	1.5	500	949.14	94.91	94.91
MH061026-041-0018	NE OSL1 Trt 17108	13-Jul-07	15	1.5	500	869.94	86.99	86.99
							Mean =	92.3
							Std dev. =	19.5
MH061026-001-0019	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	2	0.00	0.000	ND[b]
MH061026-001-0020	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	2	0.00	0.000	ND
MH061026-001-0021	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	2	0.00	0.000	ND
MH061026-011-0019	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	2	0.13	0.013	ND
MH061026-011-0020	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	2	0.00	0.000	ND

Appendix A Table 1. (Cont.) Expression Levels of Cry34Ab1 in OSL-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-011-0021	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	2	0.00	0.000	ND
MH061026-021-0019	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	2	0.04	0.004	ND
MH061026-021-0020	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	2	0.05	0.005	ND
MH061026-021-0021	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	2	0.04	0.004	ND
MH061026-031-0019	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	2	0.00	0.000	ND
MH061026-031-0020	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	2	0.00	0.000	ND
MH061026-031-0021	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	2	0.00	0.000	ND
MH061026-041-0019	NE OSL1 Trt 17109	13-Jul-07	15	1.5	2	0.01	0.001	ND
MH061026-041-0020	NE OSL1 Trt 17109	13-Jul-07	15	1.5	2	0.02	0.002	ND
MH061026-041-0021	NE OSL1 Trt 17109	13-Jul-07	15	1.5	2	0.02	0.002	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix A Table 2. Expression Levels of Cry34Ab1 in OSL-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-002-0001	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	500	1101.99	110.20	110.20
MH061026-002-0002	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	500	1037.13	103.71	103.71
MH061026-002-0003	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	500	1145.31	114.53	114.53
MH061026-012-0001	IA2 OSL2 Trt 17101	29-Jun-07	15	1.5	500	1123.28	112.33	112.33
MH061026-012-0002	IA2 OSL2 Trt 17101	29-Jun-07	15	1.5	500	1006.90	100.69	100.69
MH061026-012-0003	IA2 OSL2 Trt 17101	18-Sep-07	15	1.5	2	0.11	0.011	ND[b,c,d]
		24-Sep-07	15	1.5	2	0.18	0.018	
		13-Aug-07	15	1.5	2	0.06	0.006	
MH061026-022-0001	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	500	1041.71	104.17	104.17
MH061026-022-0002	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	500	1083.46	108.35	108.35
MH061026-022-0003	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	500	1173.32	117.33	117.33
MH061026-032-0001	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	500	1662.75	166.27	166.27
MH061026-032-0002	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	500	1764.36	176.44	176.44
MH061026-032-0003	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	500	1487.09	148.71	148.71
MH061026-042-0001	NE OSL2 Trt 17101	20-Jul-07	15	1.5	500	1200.32	120.03	120.03
MH061026-042-0002	NE OSL2 Trt 17101	20-Jul-07	15	1.5	500	1307.94	130.79	130.79
MH061026-042-0003	NE OSL2 Trt 17101	20-Jul-07	15	1.5	500	1152.68	115.27	115.27
							Mean =	123.5
							Std dev. =	23.8
MH061026-002-0016	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	500	911.14	91.11	91.11
MH061026-002-0017	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	500	921.35	92.14	92.14
MH061026-002-0018	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	500	969.16	96.92	96.92
MH061026-012-0016	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	500	1111.69	111.17	111.17
MH061026-012-0017	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	500	1017.28	101.73	101.73
MH061026-012-0018	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	500	1089.51	108.95	108.95
MH061026-022-0016	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	500	1166.10	116.61	116.61
MH061026-022-0017	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	500	1041.68	104.17	104.17
MH061026-022-0018	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	500	1104.56	110.46	110.46
MH061026-032-0016	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	500	1421.17	142.12	142.12
MH061026-032-0017	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	500	1544.90	154.49	154.49
MH061026-032-0018	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	500	1593.55	159.35	159.35
MH061026-042-0016	NE OSL2 Trt 17108	20-Jul-07	15	1.5	500	1329.97	133.00	133.00
MH061026-042-0017	NE OSL2 Trt 17108	20-Jul-07	15	1.5	500	1128.64	112.86	112.86
MH061026-042-0018	NE OSL2 Trt 17108	20-Jul-07	15	1.5	500	1117.20	111.72	111.72
							Mean =	116.5
							Std dev. =	21.3
MH061026-002-0019	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	2	0.12	0.012	ND[c]
MH061026-002-0020	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	2	0.12	0.012	ND
MH061026-002-0021	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	2	0.08	0.008	ND
MH061026-012-0019	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	2	0.14	0.014	ND

Appendix A Table 2. (Cont.) Expression Levels of Cry34Ab1 in OSL-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-012-0020	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	2	0.13	0.013	ND
MH061026-012-0021	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	2	0.09	0.009	ND
MH061026-022-0019	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	2	0.05	0.005	ND
MH061026-022-0020	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	2	0.10	0.010	ND
MH061026-022-0021	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	2	0.07	0.007	ND
MH061026-032-0019	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	2	0.25	0.025	ND
MH061026-032-0020	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	2	0.04	0.004	ND
MH061026-032-0021	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	2	0.00	0.000	ND
MH061026-042-0019	NE OSL2 Trt 17109	20-Jul-07	15	1.5	2	0.04	0.004	ND
MH061026-042-0020	NE OSL2 Trt 17109	20-Jul-07	15	1.5	2	0.03	0.003	ND
MH061026-042-0021	NE OSL2 Trt 17109	20-Jul-07	15	1.5	2	0.01	0.001	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

[d] Result for this sample not used in calculating the average, standard deviation or range.

Appendix A Table 3. Expression Levels of Cry34Ab1 in OSL-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-003-0001	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	500	1810.68	181.07	181.07
MH061026-003-0002	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	500	1937.22	193.72	193.72
MH061026-003-0003	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	500	1791.90	179.19	179.19
MH061026-013-0001	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	500	1964.40	196.44	196.44
MH061026-013-0002	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	500	1811.45	181.15	181.15
MH061026-013-0003	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	500	1905.26	190.53	190.53
MH061026-023-0001	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	500	1427.00	142.70	142.70
MH061026-023-0002	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	500	1657.64	165.76	165.76
MH061026-023-0003	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	500	1873.97	187.40	187.40
MH061026-033-0001	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	500	1673.89	167.39	167.39
MH061026-033-0002	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	500	1549.90	154.99	154.99
MH061026-033-0003	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	500	1462.89	146.29	146.29
MH061026-043-0001	NE OSL3 Trt 17101	2-Aug-07	15	1.5	500	2165.28	216.53	216.53
MH061026-043-0002	NE OSL3 Trt 17101	2-Aug-07	15	1.5	500	2518.21	251.82	251.82
MH061026-043-0003	NE OSL3 Trt 17101	2-Aug-07	15	1.5	500	2088.10	208.81	208.81
							Mean =	184.3
							Std dev. =	28.3
MH061026-003-0016	IA1 OSL3 Trt 17108	19-Jul-07	15	1.5	500	1713.49	171.35	171.35
MH061026-003-0017	IA1 OSL3 Trt 17108	19-Jul-07	15	1.5	500	1592.35	159.24	159.24
MH061026-003-0018	IA1 OSL3 Trt 17108	19-Jul-07	15	1.5	500	1592.35	159.23	159.23
MH061026-013-0016	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	500	1870.49	187.05	187.05
MH061026-013-0017	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	500	1641.56	164.16	164.16
MH061026-013-0018	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	500	1152.21	115.22	115.22
MH061026-023-0016	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	500	1401.11	140.11	140.11
MH061026-023-0017	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	500	1450.07	145.01	145.01
MH061026-023-0018	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	500	1354.67	135.47	135.47
MH061026-033-0016	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	500	1644.82	164.48	164.48
MH061026-033-0017	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	500	1423.48	142.35	142.35
MH061026-033-0018	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	500	1526.47	152.65	152.65
MH061026-043-0016	NE OSL3 Trt 17108	2-Aug-07	15	1.5	500	2343.51	234.35	234.35
MH061026-043-0017	NE OSL3 Trt 17108	2-Aug-07	15	1.5	500	2174.70	217.47	217.47
MH061026-043-0018	NE OSL3 Trt 17108	2-Aug-07	15	1.5	500	2785.62	278.56	278.56
							Mean =	171.1
							Std dev. =	42.7
MH061026-003-0019	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	2	1.31	0.131	0.13[b]
		7-Aug-07	15	1.5	2	1.64	0.164	
		7-Aug-07	15	1.5	2	1.07	0.107	

Appendix A Table 3. (Cont.) Expression Levels of Cry34Ab1 in OSL-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-003-0020	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	2	0.60	0.060	(0.067)[b,c]
		7-Aug-07	15	1.5	2	0.91	0.091	
		7-Aug-07	15	1.5	2	0.50	0.050	
MH061026-003-0021	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	2	0.45	0.045	ND[b,d]
		7-Aug-07	15	1.5	2	0.36	0.036	
		7-Aug-07	15	1.5	2	0.26	0.026	
MH061026-013-0019	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	2	0.06	0.006	ND[e]
MH061026-013-0020	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	2	0.18	0.018	ND
MH061026-013-0021	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	2	0.17	0.017	ND
MH061026-023-0019	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	2	0.55	0.055	(0.065)[b,c]
		7-Aug-07	15	1.5	2	0.53	0.053	
		7-Aug-07	15	1.5	2	0.89	0.089	
MH061026-023-0020	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	2	0.95	0.095	0.10[b]
		7-Aug-07	15	1.5	2	0.99	0.099	
		7-Aug-07	15	1.5	2	1.05	0.105	
MH061026-023-0021	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	2	0.33	0.033	(0.054)[b,c]
		7-Aug-07	15	1.5	2	0.37	0.037	
		7-Aug-07	15	1.5	2	0.91	0.091	
MH061026-033-0019	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	2	0.20	0.020	ND
MH061026-033-0020	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	2	0.23	0.023	ND
MH061026-033-0021	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	2	0.40	0.040	ND[b]
		7-Aug-07	15	1.5	2	0.03	0.003	
		7-Aug-07	15	1.5	2	0.02	0.002	
MH061026-043-0019	NE OSL3 Trt 17109	2-Aug-07	15	1.5	2	0.11	0.011	ND
MH061026-043-0020	NE OSL3 Trt 17109	2-Aug-07	15	1.5	2	0.08	0.008	ND
MH061026-043-0021	NE OSL3 Trt 17109	2-Aug-07	15	1.5	2	0.16	0.016	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] Values in parentheses are below the method LOQ but higher than the method LOD.

[d] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

[e] ND = Not detected at the method LOD.

Appendix A Table 4. Expression Levels of Cry34Ab1 in OSR-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-004-0001	IA1 OSR1 Trt 17101	15-Aug-07	15	1.5	400	835.05	83.50	83.50
MH061026-004-0002	IA1 OSR1 Trt 17101	15-Aug-07	15	1.5	400	850.27	85.03	85.03
MH061026-004-0003	IA1 OSR1 Trt 17101	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0001	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	400	923.42	92.34	92.34
MH061026-014-0002	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	400	1029.86	102.99	102.99
MH061026-014-0003	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	400	764.35	76.43	76.43
MH061026-024-0001	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	400	1141.52	114.15	114.15
MH061026-024-0002	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	400	1045.71	104.57	104.57
MH061026-024-0003	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	400	1200.09	120.01	120.01
MH061026-034-0001	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	400	1061.09	106.11	106.11
MH061026-034-0002	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	400	958.39	95.84	95.84
MH061026-034-0003	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	400	1002.28	100.23	100.23
MH061026-044-0001	NE OSR1 Trt 17101	13-Sep-07	15	1.5	400	1254.24	125.42	125.42
MH061026-044-0002	NE OSR1 Trt 17101	13-Sep-07	15	1.5	400	1466.15	146.62	146.62
MH061026-044-0003	NE OSR1 Trt 17101	13-Sep-07	15	1.5	400	1149.38	114.94	114.94
							Mean =	104.9
							Std dev. =	18.6
MH061026-004-0016	IA1 OSR1 Trt 17108	15-Aug-07	15	1.5	400	898.34	89.83	89.83
MH061026-004-0017	IA1 OSR1 Trt 17108	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0018	IA1 OSR1 Trt 17108	15-Aug-07	15	1.5	400	842.27	84.23	84.23
MH061026-014-0016	IA2 OSR1 Trt 17108	14-Aug-07	15	1.5	400	843.83	84.38	84.38
MH061026-014-0017	IA2 OSR1 Trt 17108	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0018	IA2 OSR1 Trt 17108	14-Aug-07	15	1.5	400	913.90	91.39	91.39
MH061026-024-0016	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	400	1102.92	110.29	110.29
MH061026-024-0017	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	400	1032.34	103.23	103.23
MH061026-024-0018	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	400	1023.58	102.36	102.36
MH061026-034-0016	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	400	927.16	92.72	92.72
MH061026-034-0017	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	400	952.05	95.21	95.21
MH061026-034-0018	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	400	1007.03	100.70	100.70
MH061026-044-0016	NE OSR1 Trt 17108	13-Sep-07	15	1.5	400	1094.13	109.41	109.41
MH061026-044-0017	NE OSR1 Trt 17108	13-Sep-07	15	1.5	400	1457.42	145.74	145.74
MH061026-044-0018	NE OSR1 Trt 17108	13-Sep-07	15	1.5	400	1503.58	150.36	150.36
							Mean =	104.6
							Std dev. =	21.0
MH061026-004-0019	IA1 OSR1 Trt 17109	15-Aug-07	15	1.5	2	0.00	0.000	ND[c]
MH061026-004-0020	IA1 OSR1 Trt 17109	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0021	IA1 OSR1 Trt 17109	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0019	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	2	0.21	0.021	ND
MH061026-014-0020	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	2	0.21	0.021	ND

Appendix A Table 4. (Cont.) Expression Levels of Cry34Ab1 in OSR-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-014-0021	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	2	0.15	0.015	ND
MH061026-024-0019	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	2	0.44	0.044	ND[d]
MH061026-024-0020	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	2	0.30	0.030	ND[d]
MH061026-024-0021	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	2	0.35	0.035	ND[d]
MH061026-034-0019	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	2	0.05	0.005	ND
MH061026-034-0020	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	2	0.10	0.010	ND
MH061026-034-0021	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	2	0.08	0.008	ND
MH061026-044-0019	NE OSR1 Trt 17109	13-Sep-07	15	1.5	2	0.02	0.002	ND
MH061026-044-0020	NE OSR1 Trt 17109	13-Sep-07	15	1.5	2	0.90	0.090	(0.058)[e,f]
		18-Sep-07	15	1.5	2	0.27	0.027	
MH061026-044-0021	NE OSR1 Trt 17109	13-Sep-07	15	1.5	2	0.18	0.018	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Not enough sample available for analysis.
[c] ND = Not detected at the method LOD.
[d] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.
[e] Values in parentheses are below the method LOQ but higher than the method LOD.
[f] Average of multiple analyses (multiple weighings of sample).

Appendix A Table 5. Expression Levels of Cry34Ab1 in OSR-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-005-0001	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	400	807.32	80.73	80.73
MH061026-005-0002	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	400	721.76	72.18	72.18
MH061026-005-0003	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	400	650.49	65.05	65.05
MH061026-015-0001	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	400	1039.40	103.94	103.94
MH061026-015-0002	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	400	1063.44	106.34	106.34
MH061026-015-0003	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	400	1316.51	131.65	131.65
MH061026-025-0001	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	400	794.94	79.49	79.49
MH061026-025-0002	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	400	926.58	92.66	92.66
MH061026-025-0003	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	400	931.26	93.13	93.13
MH061026-035-0001	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	400	1039.84	103.98	103.98
MH061026-035-0002	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	400	883.96	88.40	88.40
MH061026-035-0003	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	400	688.06	68.81	68.81
MH061026-045-0001	NE OSR2 Trt 17101	28-Aug-07	15	1.5	400	834.54	83.45	83.45
MH061026-045-0002	NE OSR2 Trt 17101	28-Aug-07	15	1.5	400	903.56	90.36	90.36
MH061026-045-0003	NE OSR2 Trt 17101	28-Aug-07	15	1.5	400	1027.32	102.73	102.73
							Mean =	90.9
							Std dev. =	17.3
MH061026-005-0016	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	400	850.81	85.08	85.08
MH061026-005-0017	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	400	771.72	77.17	77.17
MH061026-005-0018	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	400	842.37	84.24	84.24
MH061026-015-0016	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	400	1129.26	112.93	112.93
MH061026-015-0017	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	400	838.63	83.86	83.86
MH061026-015-0018	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	400	870.16	87.02	87.02
MH061026-025-0016	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	400	902.61	90.26	90.26
MH061026-025-0017	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	400	898.11	89.81	89.81
MH061026-025-0018	IL1 OSR2 Trt 17108	18-Sep-07	15	1.5	500	913.03	91.30	91.30
MH061026-035-0016	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	400	965.08	96.51	96.51
MH061026-035-0017	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	400	1011.81	101.18	101.18
MH061026-035-0018	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	400	914.66	91.47	91.47
MH061026-045-0016	NE OSR2 Trt 17108	28-Aug-07	15	1.5	400	858.80	85.88	85.88
MH061026-045-0017	NE OSR2 Trt 17108	28-Aug-07	15	1.5	400	846.84	84.68	84.68
MH061026-045-0018	NE OSR2 Trt 17108	18-Sep-07	15	1.5	2	1.11	0.11	0.12[b]
		24-Sep-07	15	1.5	2	1.38	0.14	
							Mean =	90.1
							Std dev. =	8.82
MH061026-005-0019	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	2	0.13	0.013	ND[c]
MH061026-005-0020	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	2	0.07	0.007	ND
MH061026-005-0021	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	2	0.13	0.013	ND
MH061026-015-0019	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	2	0.32	0.032	ND[d]

Appendix A Table 5. (Cont.) Expression Levels of Cry34Ab1 in OSR-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-015-0020	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	2	0.15	0.015	ND
MH061026-015-0021	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	2	0.21	0.021	ND
MH061026-025-0019	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	2	0.20	0.020	ND
MH061026-025-0020	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	2	0.28	0.028	ND[d]
MH061026-025-0021	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	2	0.23	0.023	ND
MH061026-035-0019	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	2	0.15	0.015	ND
MH061026-035-0020	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	2	0.11	0.011	ND
MH061026-035-0021	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	2	0.18	0.018	ND
MH061026-045-0019	NE OSR2 Trt 17109	28-Aug-07	15	1.5	2	0.23	0.023	ND
MH061026-045-0020	NE OSR2 Trt 17109	28-Aug-07	15	1.5	2	0.28	0.028	ND[d]
MH061026-045-0021	NE OSR2 Trt 17109	28-Aug-07	15	1.5	2	0.18	0.018	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample). Result for this sample not used in calculating the average, standard deviation or range.

[c] ND = Not detected at the method LOD.

[d] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

Appendix A Table 6. Expression Levels of Cry34Ab1 in OSR-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-006-0001	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	400	882.84	88.28	88.28
MH061026-006-0002	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	400	785.22	78.52	78.52
MH061026-006-0003	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	400	786.95	78.69	78.69
MH061026-016-0001	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	400	957.39	95.74	95.74
MH061026-016-0002	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	400	886.37	88.64	88.64
MH061026-016-0003	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	400	827.53	82.75	82.75
MH061026-026-0001	IL1 OSR3 Trt 17101	10-Sep-07	15	1.5	400	651.52	65.15	65.15
MH061026-026-0002	IL1 OSR3 Trt 17101	10-Sep-07	15	1.5	400	914.76	91.48	91.48
MH061026-026-0003	IL1 OSR3 Trt 17101	10-Sep-07	15	1.5	400	765.75	76.58	76.58
MH061026-036-0001	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	400	1121.07	112.11	112.11
MH061026-036-0002	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	400	1007.16	100.72	100.72
MH061026-036-0003	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	400	927.77	92.78	92.78
MH061026-046-0001	NE OSR3 Trt 17101	11-Sep-07	15	1.5	400	802.10	80.21	80.21
MH061026-046-0002	NE OSR3 Trt 17101	11-Sep-07	15	1.5	400	782.71	78.27	78.27
MH061026-046-0003	NE OSR3 Trt 17101	11-Sep-07	15	1.5	400	711.71	71.17	71.17
							Mean =	85.4
							Std dev. =	12.0
MH061026-006-0016	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	400	764.65	76.46	76.46
MH061026-006-0017	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	400	789.40	78.94	78.94
MH061026-006-0018	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	400	830.54	83.05	83.05
MH061026-016-0016	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	400	753.95	75.39	75.39
MH061026-016-0017	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	400	821.16	82.12	82.12
MH061026-016-0018	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	400	843.32	84.33	84.33
MH061026-026-0016	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	400	735.55	73.55	73.55
MH061026-026-0017	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	400	831.01	83.10	83.10
MH061026-026-0018	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	400	890.58	89.06	89.06
MH061026-036-0016	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	400	945.06	94.51	94.51
MH061026-036-0017	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	400	1111.66	111.17	111.17
MH061026-036-0018	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	400	1034.58	103.46	103.46
MH061026-046-0016	NE OSR3 Trt 17108	11-Sep-07	15	1.5	400	789.79	78.98	78.98
MH061026-046-0017	NE OSR3 Trt 17108	11-Sep-07	15	1.5	400	808.59	80.86	80.86
MH061026-046-0018	NE OSR3 Trt 17108	11-Sep-07	15	1.5	400	740.31	74.03	74.03
							Mean =	84.6
							Std dev. =	10.9
MH061026-006-0019	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	2	0.03	0.003	ND[b]
MH061026-006-0020	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	2	0.05	0.005	ND
MH061026-006-0021	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	2	0.04	0.004	ND
MH061026-016-0019	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	2	0.22	0.022	ND
MH061026-016-0020	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	2	0.06	0.006	ND

Appendix A Table 6. (Cont.) Expression Levels of Cry34Ab1 in OSR-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-016-0021	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	2	0.09	0.009	ND
MH061026-026-0019	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	2	0.11	0.011	ND
MH061026-026-0020	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	2	0.10	0.010	ND
MH061026-026-0021	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	2	0.13	0.013	ND
MH061026-036-0019	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-036-0020	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	2	0.06	0.006	ND
MH061026-036-0021	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	2	0.04	0.004	ND
MH061026-046-0019	NE OSR3 Trt 17109	11-Sep-07	15	1.5	2	0.12	0.012	ND
MH061026-046-0020	NE OSR3 Trt 17109	11-Sep-07	15	1.5	2	0.06	0.006	ND
MH061026-046-0021	NE OSR3 Trt 17109	11-Sep-07	15	1.5	2	0.03	0.003	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol.(mL)}}$

[b] ND = Not detected at the method LOD.

Appendix A Table 7. Expression Levels of Cry34Ab1 in OSWP-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-007-0001	IA1 OSWP1 Trt 17101	17-Aug-07	15	1.5	500	976.19	97.62	97.62
MH061026-007-0002	IA1 OSWP1 Trt 17101	17-Aug-07	15	1.5	500	978.42	97.84	97.84
MH061026-007-0003	IA1 OSWP1 Trt 17101	17-Aug-07	15	1.5	500	1122.95	112.30	112.30
MH061026-017-0001	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	500	1057.89	105.79	105.79
MH061026-017-0002	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	500	1037.07	103.71	103.71
MH061026-017-0003	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	500	1006.56	100.66	100.66
MH061026-027-0001	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	500	1138.53	113.85	113.85
MH061026-027-0002	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	500	939.52	93.95	93.95
MH061026-027-0003	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	500	1098.36	109.84	109.84
MH061026-037-0001	IL2 OSWP1 Trt 17101	31-Aug-07	15	1.5	500	862.94	86.29	86.29
MH061026-037-0002	IL2 OSWP1 Trt 17101	31-Aug-07	15	1.5	500	1527.99	152.80	152.80
MH061026-037-0003	IL2 OSWP1 Trt 17101	31-Aug-07	15	1.5	500	1495.49	149.55	149.55
MH061026-047-0001	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	500	842.78	84.28	84.28
MH061026-047-0002	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	500	992.10	99.21	99.21
MH061026-047-0003	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	500	887.15	88.71	88.71
							Mean =	106.4
							Std dev. =	20.2
MH061026-007-0016	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	500	1053.89	105.39	105.39
MH061026-007-0017	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	500	939.26	93.93	93.93
MH061026-007-0018	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	500	955.37	95.54	95.54
MH061026-017-0016	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	500	820.85	82.09	82.09
MH061026-017-0017	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	500	937.54	93.75	93.75
MH061026-017-0018	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	500	919.27	91.93	91.93
MH061026-027-0016	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	500	980.20	98.02	98.02
MH061026-027-0017	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	500	900.20	90.02	90.02
MH061026-027-0018	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	500	882.07	88.21	88.21
MH061026-037-0016	IL2 OSWP1 Trt 17108	31-Aug-07	15	1.5	500	1410.33	141.03	141.03
MH061026-037-0017	IL2 OSWP1 Trt 17108	31-Aug-07	15	1.5	500	939.73	93.97	93.97
MH061026-037-0018	IL2 OSWP1 Trt 17108	31-Aug-07	15	1.5	500	1322.97	132.30	132.30
MH061026-047-0016	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	500	890.25	89.03	89.03
MH061026-047-0017	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	500	844.83	84.48	84.48
MH061026-047-0018	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	500	957.18	95.72	95.72
							Mean =	98.4
							Std dev. =	16.6
MH061026-007-0019	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	2	0.09	0.009	ND[b]
MH061026-007-0020	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-007-0021	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-017-0019	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	2	0.18	0.018	ND
MH061026-017-0020	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	2	0.14	0.014	ND

Appendix A Table 7. (Cont.) Expression Levels of Cry34Ab1 in OSWP-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-017-0021	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	2	0.13	0.013	ND
MH061026-027-0019	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.08	0.008	ND
MH061026-027-0020	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.10	0.010	ND
MH061026-027-0021	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.08	0.008	ND
MH061026-037-0019	IL2 OSWP1 Trt 17109	31-Aug-07	15	1.5	2	0.07	0.007	ND
MH061026-037-0020	IL2 OSWP1 Trt 17109	31-Aug-07	15	1.5	2	0.14	0.014	ND
MH061026-037-0021	IL2 OSWP1 Trt 17109	31-Aug-07	15	1.5	2	0.11	0.011	ND
MH061026-047-0019	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.20	0.02	ND
MH061026-047-0020	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.13	0.01	ND
MH061026-047-0021	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.06	0.01	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix A Table 8. Expression Levels of Cry34Ab1 in OSWP-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-008-0001	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	500	1653.41	165.34	165.34
MH061026-008-0002	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	500	1288.36	128.84	128.84
MH061026-008-0003	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	500	1843.06	184.31	184.31
MH061026-018-0001	IA2 OSWP2 Trt 17101	22-Aug-07	15	1.5	500	1542.90	154.29	154.29
MH061026-018-0002	IA2 OSWP2 Trt 17101	22-Aug-07	15	1.5	500	1410.97	141.10	141.10
MH061026-018-0003	IA2 OSWP2 Trt 17101	22-Aug-07	15	1.5	500	1758.83	175.88	175.88
MH061026-028-0001	IL1 OSWP2 Trt 17101	19-Sep-07	15	1.5	500	1663.18	166.32	166.32
MH061026-028-0002	IL1 OSWP2 Trt 17101	19-Sep-07	15	1.5	500	1821.45	182.14	182.14
MH061026-028-0003	IL1 OSWP2 Trt 17101	19-Sep-07	15	1.5	500	1680.69	168.07	168.07
MH061026-038-0001	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	500	2010.89	201.09	201.09
MH061026-038-0002	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	500	2332.88	233.29	233.29
MH061026-038-0003	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	500	1769.74	176.97	176.97
MH061026-048-0001	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	500	2032.14	203.21	203.21
MH061026-048-0002	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	500	1187.97	118.80	118.80
MH061026-048-0003	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	500	1169.88	116.99	116.99
							Mean =	167.8
							Std dev. =	32.4
MH061026-008-0016	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	500	1561.22	156.12	156.12
MH061026-008-0017	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	500	1365.90	136.59	136.59
MH061026-008-0018	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	500	1425.41	142.54	142.54
MH061026-018-0016	IA2 OSWP2 Trt 17108	22-Aug-07	15	1.5	500	1544.02	154.40	154.40
MH061026-018-0017	IA2 OSWP2 Trt 17108	22-Aug-07	15	1.5	500	1708.39	170.84	170.84
MH061026-018-0018	IA2 OSWP2 Trt 17108	22-Aug-07	15	1.5	500	1579.22	157.92	157.92
MH061026-028-0016	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	500	1277.43	127.74	127.74
MH061026-028-0017	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	500	1451.20	145.12	145.12
MH061026-028-0018	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	500	1630.70	163.07	163.07
MH061026-038-0016	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	500	1939.25	193.93	193.93
MH061026-038-0017	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	500	1828.83	182.88	182.88
MH061026-038-0018	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	500	1883.73	188.37	188.37
MH061026-048-0016	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	500	1680.00	168.00	168.00
MH061026-048-0017	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	500	1128.76	112.88	112.88
MH061026-048-0018	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	500	1581.84	158.18	158.18
							Mean =	157.2
							Std dev. =	22.3
MH061026-008-0019	IA1 OSWP2 Trt 17109	18-Sep-07	15	1.5	2	0.20	0.020	ND[b,c]
		24-Sep-07	15	1.5	2	0.24	0.024	
		2-Oct-07	15	1.5	2	0.05	0.005	
		2-Oct-07	15	1.5	2	0.10	0.010	
MH061026-008-0020	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	2	0.24	0.024	ND

Appendix A Table 8. (Cont.) Expression Levels of Cry34Ab1 in OSWP-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-008-0021	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	2	0.88	0.088	(0.050)[c,d]
		18-Sep-07	15	1.5	2	0.12	0.012	
MH061026-018-0019	IA2 OSWP2 Trt 17109	18-Sep-07	15	1.5	500	1644.48	164.448	154.26[c]
		1-Oct-07	15	1.5	500	1664.00	166.400	
		2-Oct-07	15	1.5	500	1490.46	149.046	
		2-Oct-07	15	1.5	500	1371.49	137.149	
MH061026-018-0020	IA2 OSWP2 Trt 17109	22-Aug-07	15	1.5	2	0.17	0.017	ND
MH061026-018-0021	IA2 OSWP2 Trt 17109	NA[e]	NA	NA	NA	NA	NA	NA
MH061026-028-0019	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	2	0.09	0.009	ND
MH061026-028-0020	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	2	0.12	0.012	ND
MH061026-028-0021	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	2	0.17	0.017	ND
MH061026-038-0019	IL2 OSWP2 Trt 17109	18-Sep-07	15	1.5	2	0.16	0.016	ND
MH061026-038-0020	IL2 OSWP2 Trt 17109	18-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-038-0021	IL2 OSWP2 Trt 17109	18-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-048-0019	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.08	0.008	ND
MH061026-048-0020	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.09	0.009	ND
MH061026-048-0021	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.09	0.009	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] Average of multiple analyses (multiple weighings of sample).

[d] Values in parentheses are below the method LOQ but higher than the method LOD.

[e] Not enough sample available for analysis.

Appendix A Table 9. Expression Levels of Cry34Ab1 in OSWP-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-009-0001	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	500	1920.80	192.08	192.08
MH061026-009-0002	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	500	1875.00	187.50	187.50
MH061026-009-0003	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	500	1781.49	178.15	178.15
MH061026-019-0001	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	500	1465.75	146.58	146.58
MH061026-019-0002	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	500	1302.41	130.24	130.24
MH061026-019-0003	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	500	1325.87	132.59	132.59
MH061026-029-0001	IL1 OSWP3 Trt 17101	14-Sep-07	15	1.5	500	1587.98	158.80	158.80
MH061026-029-0002	IL1 OSWP3 Trt 17101	14-Sep-07	15	1.5	500	832.93	83.29	83.29
MH061026-029-0003	IL1 OSWP3 Trt 17101	14-Sep-07	15	1.5	500	891.67	89.17	89.17
MH061026-039-0001	IL2 OSWP3 Trt 17101	17-Sep-07	15	1.5	500	1143.24	114.32	114.32
MH061026-039-0002	IL2 OSWP3 Trt 17101	17-Sep-07	15	1.5	500	899.15	89.91	89.91
MH061026-039-0003	IL2 OSWP3 Trt 17101	17-Sep-07	15	1.5	500	758.49	75.85	75.85
MH061026-049-0001	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	500	1103.24	110.32	110.32
MH061026-049-0002	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	500	1175.23	117.52	117.52
MH061026-049-0003	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	500	926.07	92.61	92.61
							Mean =	126.6
							Std dev. =	38.7
MH061026-009-0016	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	500	1449.56	144.96	144.96
MH061026-009-0017	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	500	858.75	85.87	85.87
MH061026-009-0018	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	500	1643.26	164.33	164.33
MH061026-019-0016	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	500	1960.97	196.10	196.10
MH061026-019-0017	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	500	1827.72	182.77	182.77
MH061026-019-0018	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	500	1760.54	176.05	176.05
MH061026-029-0016	IL1 OSWP3 Trt 17108	14-Sep-07	15	1.5	500	1575.59	157.56	157.56
MH061026-029-0017	IL1 OSWP3 Trt 17108	14-Sep-07	15	1.5	500	599.26	59.93	64.08[b]
		18-Sep-07	15	1.5	500	682.27	68.23	
MH061026-029-0018	IL1 OSWP3 Trt 17108	14-Sep-07	15	1.5	500	1650.78	165.08	165.08
MH061026-039-0016	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	500	1492.27	149.23	149.23
MH061026-039-0017	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	500	1459.75	145.98	145.98
MH061026-039-0018	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	500	1437.99	143.80	143.80
MH061026-049-0016	NE OSWP3 Trt 17108	24-Sep-07	15	1.5	500	689.67	68.97	68.97
MH061026-049-0017	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	500	1011.75	101.17	101.17
MH061026-049-0018	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	500	651.68	65.17	65.17
							Mean =	134.1
							Std dev. =	44.9
MH061026-009-0019	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.11	0.011	ND[c]
MH061026-009-0020	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.11	0.011	ND
MH061026-009-0021	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.29	0.029	ND[d]
MH061026-019-0019	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.11	0.011	ND

Appendix A Table 9. (Cont.) Expression Levels of Cry34Ab1 in OSWP-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-019-0020	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.05	0.005	ND
MH061026-019-0021	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.08	0.008	ND
MH061026-029-0019	IL1 OSWP3 Trt 17109	14-Sep-07	15	1.5	2	0.19	0.019	ND
MH061026-029-0020	IL1 OSWP3 Trt 17109	14-Sep-07	15	1.5	2	0.08	0.008	ND
MH061026-029-0021	IL1 OSWP3 Trt 17109	14-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-039-0019	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.25	0.025	ND[d]
MH061026-039-0020	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-039-0021	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.95	0.095	0.11[b]
		18-Sep-07	15	1.5	2	1.58	0.158	
		18-Sep-07	15	1.5	2	0.83	0.083	
MH061026-049-0019	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.00	0.000	ND
MH061026-049-0020	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.00	0.000	ND
MH061026-049-0021	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.00	0.000	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

[d] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

Appendix A Table 10. Expression Levels of Cry34Ab1 in Pollen Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
061026-010-0013	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	500	977.91	97.79	97.79
061026-010-0014	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	500	883.01	88.30	88.30
061026-010-0015	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	500	878.87	87.89	87.89
061026-021-0013	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	500	857.28	85.73	85.73
061026-021-0014	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	500	828.66	82.87	82.87
061026-021-0015	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	500	851.13	85.11	85.11
061026-032-0013	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	500	831.63	83.16	83.16
061026-032-0014	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	500	750.95	75.09	75.09
061026-032-0015	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	500	679.96	68.00	68.00
061026-043-0013	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	500	909.97	91.00	91.00
061026-043-0014	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	500	898.14	89.81	89.81
061026-043-0015	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	500	866.69	86.67	86.67
061026-054-0013	NE Pollen Trt 17101	16-Feb-07	15	1.5	500	880.90	88.09	88.09
061026-054-0014	NE Pollen Trt 17101	16-Feb-07	15	1.5	500	788.79	78.88	78.88
061026-054-0015	NE Pollen Trt 17101	16-Feb-07	15	1.5	500	782.72	78.27	78.27
							Mean =	84.4
							Std dev. =	7.21
061026-010-0034	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	500	1173.44	117.34	117.34
061026-010-0035	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	500	953.53	95.35	95.35
061026-010-0036	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	500	942.56	94.26	94.26
061026-021-0034	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	500	943.57	94.36	94.36
061026-021-0035	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	500	1062.79	106.28	106.28
061026-021-0036	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	500	1080.17	108.02	108.02
061026-032-0034	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	500	791.60	79.16	79.16
061026-032-0035	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	500	775.43	77.54	77.54
061026-032-0036	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	500	898.17	89.82	89.82
061026-043-0034	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	500	851.37	85.14	85.14
061026-043-0035	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	500	797.09	79.71	79.71
061026-043-0036	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	500	880.66	88.07	88.07
061026-054-0034	NE Pollen Trt 17108	30-Apr-07	15	1.5	500	891.64	89.16	89.16
061026-054-0035	NE Pollen Trt 17108	30-Apr-07	15	1.5	500	845.85	84.58	84.58
061026-054-0036	NE Pollen Trt 17108	30-Apr-07	15	1.5	500	946.42	94.64	94.64
							Mean =	92.2
							Std dev. =	11.3
061026-010-0037	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	2	0.16	0.016	ND[b]
061026-010-0038	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	2	0.13	0.013	ND
061026-010-0039	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	2	0.72	0.072	0.072
061026-021-0037	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	2	0.48	0.048	ND[c]
061026-021-0038	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	2	0.62	0.062	(0.062)[d]

Appendix A Table 10. (Cont.) Expression Levels of Cry34Ab1 in Pollen Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
061026-021-0039	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	2	1.08	0.108	0.11
061026-032-0037	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	2	0.30	0.030	ND[c]
061026-032-0038	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	2	0.73	0.073	0.073
061026-032-0039	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	2	0.24	0.024	ND
061026-043-0037	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	2	0.09	0.009	ND
061026-043-0038	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	2	0.08	0.008	ND
061026-043-0039	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	2	0.18	0.018	ND
061026-054-0037	NE Pollen Trt 17109	16-Feb-07	15	1.5	2	0.15	0.015	ND
061026-054-0038	NE Pollen Trt 17109	16-Feb-07	15	1.5	2	0.15	0.015	ND
061026-054-0039	NE Pollen Trt 17109	16-Feb-07	15	1.5	2	0.08	0.008	ND

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

[d] Values in parentheses are below the method LOQ but higher than the method LOD.

Appendix A Table 11. Expression Levels of Cry34Ab1 in Grain Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-010-0001	IA1 Grain Trt 17101	19-Jul-07	15	1.5	400	671.91	67.19	67.19
MH061026-010-0002	IA1 Grain Trt 17101	19-Jul-07	15	1.5	400	1022.51	102.25	102.25
MH061026-010-0003	IA1 Grain Trt 17101	19-Jul-07	15	1.5	400	661.65	66.17	66.17
MH061026-020-0001	IA2 Grain Trt 17101	30-Jul-07	15	1.5	400	689.59	68.96	68.96
MH061026-020-0002	IA2 Grain Trt 17101	30-Jul-07	15	1.5	400	659.88	65.99	65.99
MH061026-020-0003	IA2 Grain Trt 17101	30-Jul-07	15	1.5	400	698.01	69.80	69.80
MH061026-030-0001	IL1 Grain Trt 17101	1-Aug-07	15	1.5	400	508.21	50.82	50.82
MH061026-030-0002	IL1 Grain Trt 17101	1-Aug-07	15	1.5	400	584.84	58.48	58.48
MH061026-030-0003	IL1 Grain Trt 17101	1-Aug-07	15	1.5	400	547.12	54.71	54.71
MH061026-040-0001	IL2 Grain Trt 17101	2-Aug-07	15	1.5	400	816.33	81.63	81.63
MH061026-040-0002	IL2 Grain Trt 17101	2-Aug-07	15	1.5	400	649.71	64.97	64.97
MH061026-040-0003	IL2 Grain Trt 17101	2-Aug-07	15	1.5	400	776.22	77.62	77.62
MH061026-050-0001	NE Grain Trt 17101	3-Aug-07	15	1.5	400	709.62	70.96	70.96
MH061026-050-0002	NE Grain Trt 17101	3-Aug-07	15	1.5	400	435.97	43.60	43.60
MH061026-050-0003	NE Grain Trt 17101	3-Aug-07	15	1.5	400	550.21	55.02	55.02
							Mean =	66.5
							Std dev. =	14.1
MH061026-010-0016	IA1 Grain Trt 17108	19-Jul-07	15	1.5	400	595.83	59.58	59.58
MH061026-010-0017	IA1 Grain Trt 17108	19-Jul-07	15	1.5	400	1381.99	138.20	72.12[b]
		7-Aug-07	15	1.5	400	569.79	56.98	
		13-Aug-07	15	1.5	400	468.68	46.87	
		13-Aug-07	15	1.5	400	464.19	46.42	
MH061026-010-0018	IA1 Grain Trt 17108	19-Jul-07	15	1.5	400	646.67	64.67	64.67
MH061026-020-0016	IA2 Grain Trt 17108	30-Jul-07	15	1.5	400	715.67	71.57	71.57
MH061026-020-0017	IA2 Grain Trt 17108	30-Jul-07	15	1.5	400	613.15	61.31	61.31
MH061026-020-0018	IA2 Grain Trt 17108	30-Jul-07	15	1.5	400	1656.03	165.60	93.98[b]
		7-Aug-07	15	1.5	400	639.68	63.97	
		13-Aug-07	15	1.5	400	786.43	78.64	
		13-Aug-07	15	1.5	400	676.92	67.69	
MH061026-030-0016	IL1 Grain Trt 17108	1-Aug-07	15	1.5	400	556.71	55.67	55.67
MH061026-030-0017	IL1 Grain Trt 17108	1-Aug-07	15	1.5	400	478.30	47.83	47.83
MH061026-030-0018	IL1 Grain Trt 17108	1-Aug-07	15	1.5	400	578.17	57.82	57.82
MH061026-040-0016	IL2 Grain Trt 17108	7-Aug-07	15	1.5	400	657.53	65.75	65.75
MH061026-040-0017	IL2 Grain Trt 17108	2-Aug-07	15	1.5	400	640.29	64.03	64.03
MH061026-040-0018	IL2 Grain Trt 17108	2-Aug-07	15	1.5	400	664.69	66.47	66.47
MH061026-050-0016	NE Grain Trt 17108	3-Aug-07	15	1.5	400	521.11	52.11	52.11
MH061026-050-0017	NE Grain Trt 17108	3-Aug-07	15	1.5	400	479.38	47.94	47.94
MH061026-050-0018	NE Grain Trt 17108	3-Aug-07	15	1.5	400	582.51	58.25	58.25
							Mean =	62.6
							Std dev. =	11.4

Appendix A Table 11. (Cont.) Expression Levels of Cry34Ab1 in Grain Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry34Ab1 Reported Results (ng/mL)	Cry34Ab1 Results (ng/mg)[a]	Reported Cry34Ab1 Results (ng/mg)
MH061026-010-0019	IA1 Grain Trt 17109	19-Jul-07	15	1.5	2	0.13	0.013	ND[c]
MH061026-010-0020	IA1 Grain Trt 17109	19-Jul-07	15	1.5	2	0.17	0.017	ND
MH061026-010-0021	IA1 Grain Trt 17109	19-Jul-07	15	1.5	2	0.04	0.004	ND
MH061026-020-0019	IA2 Grain Trt 17109	30-Jul-07	15	1.5	2	0.35	0.035	ND[b]
		7-Aug-07	15	1.5	2	0.00	0.000	
		7-Aug-07	15	1.5	2	0.26	0.026	
MH061026-020-0020	IA2 Grain Trt 17109	30-Jul-07	15	1.5	2	0.68	0.068	ND[b]
		7-Aug-07	15	1.5	2	0.00	0.000	
		7-Aug-07	15	1.5	2	0.00	0.000	
MH061026-020-0021	IA2 Grain Trt 17109	30-Jul-07	15	1.5	2	0.90	0.090	(0.067)[b,d]
		7-Aug-07	15	1.5	2	0.33	0.033	
		7-Aug-07	15	1.5	2	0.79	0.079	
MH061026-030-0019	IL1 Grain Trt 17109	1-Aug-07	15	1.5	2	0.24	0.024	ND
MH061026-030-0020	IL1 Grain Trt 17109	1-Aug-07	15	1.5	2	0.06	0.006	ND
MH061026-030-0021	IL1 Grain Trt 17109	1-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-040-0019	IL2 Grain Trt 17109	2-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-040-0020	IL2 Grain Trt 17109	2-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-040-0021	IL2 Grain Trt 17109	2-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-050-0019	NE Grain Trt 17109	3-Aug-07	15	1.5	2	0.12	0.012	ND
MH061026-050-0020	NE Grain Trt 17109	3-Aug-07	15	1.5	2	0.29	0.029	ND[b]
		7-Aug-07	15	1.5	2	0.00	0.000	
		7-Aug-07	15	1.5	2	0.00	0.000	
MH061026-050-0021	NE Grain Trt 17109	3-Aug-07	15	1.5	2	0.68	0.068	(0.049)[b,d]
		7-Aug-07	15	1.5	2	0.00	0.000	
		7-Aug-07	15	1.5	2	0.79	0.079	

[a] Results (ng/mg) Cry34Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

[d] Values in parentheses are below the method LOQ but higher than the method LOD.

Appendix B—Cry35Ab1 Expression Data from Individual Samples

Appendix B Table 1. Expression Levels of Cry35Ab1 in OSL-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-001-0001	IA1 OSL1 Trt 17101	7-Aug-07	15	1.5	500	737.77	73.78	73.78
MH061026-001-0002	IA1 OSL1 Trt 17101	7-Aug-07	15	1.5	500	743.17	74.32	74.32
MH061026-001-0003	IA1 OSL1 Trt 17101	7-Aug-07	15	1.5	500	812.66	81.27	81.27
MH061026-011-0001	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	500	567.13	56.71	56.71
MH061026-011-0002	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	500	481.82	48.18	48.18
MH061026-011-0003	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	500	545.35	54.53	54.53
MH061026-021-0001	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	500	642.76	64.28	64.28
MH061026-021-0002	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	500	521.41	52.14	52.14
MH061026-021-0003	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	500	582.09	58.21	58.21
MH061026-031-0001	IL2 OSL1 Trt 17101	7-Aug-07	15	1.5	500	783.31	78.33	78.33
MH061026-031-0002	IL2 OSL1 Trt 17101	12-Jul-07	15	1.5	500	783.51	78.35	78.35
MH061026-031-0003	IL2 OSL1 Trt 17101	12-Jul-07	15	1.5	500	859.62	85.96	85.96
MH061026-041-0001	NE OSL1 Trt 17101	13-Jul-07	15	1.5	500	830.32	83.03	83.03
MH061026-041-0002	NE OSL1 Trt 17101	13-Jul-07	15	1.5	500	835.58	83.56	83.56
MH061026-041-0003	NE OSL1 Trt 17101	13-Jul-07	15	1.5	500	802.51	80.25	80.25
							Mean =	70.2
							Std dev. =	13.1
MH061026-001-0016	IA1 OSL1 Trt 17108	7-Aug-07	15	1.5	500	932.58	93.26	93.26
MH061026-001-0017	IA1 OSL1 Trt 17108	7-Aug-07	15	1.5	500	743.90	74.39	74.39
MH061026-001-0018	IA1 OSL1 Trt 17108	7-Aug-07	15	1.5	500	756.90	75.69	75.69
MH061026-011-0016	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	500	453.79	45.38	45.38
MH061026-011-0017	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	500	564.54	56.45	56.45
MH061026-011-0018	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	500	520.18	52.02	52.02
MH061026-021-0016	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	500	481.55	48.16	48.16
MH061026-021-0017	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	500	460.37	46.04	46.04
MH061026-021-0018	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	500	528.18	52.82	52.82
MH061026-031-0016	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	500	800.22	80.02	80.02
MH061026-031-0017	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	500	960.70	96.07	96.07
MH061026-031-0018	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	500	798.18	79.82	79.82
MH061026-041-0016	NE OSL1 Trt 17108	13-Jul-07	15	1.5	500	892.44	89.24	89.24
MH061026-041-0017	NE OSL1 Trt 17108	13-Jul-07	15	1.5	500	739.53	73.95	73.95
MH061026-041-0018	NE OSL1 Trt 17108	13-Jul-07	15	1.5	500	777.63	77.76	77.76
							Mean =	69.4
							Std dev. =	17.7
MH061026-001-0019	IA1 OSL1 Trt 17109	7-Aug-07	15	1.5	1	0.03	0.003	ND[b]
MH061026-001-0020	IA1 OSL1 Trt 17109	7-Aug-07	15	1.5	1	0.01	0.001	ND
MH061026-001-0021	IA1 OSL1 Trt 17109	7-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-011-0019	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.12	0.012	ND
MH061026-011-0020	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.03	0.003	ND

Appendix B Table 1. (Cont.) Expression Levels of Cry35Ab1 in OSL-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-011-0021	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.03	0.003	ND
MH061026-021-0019	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-021-0020	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-021-0021	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-031-0019	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.05	0.005	ND
MH061026-031-0020	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.05	0.005	ND
MH061026-031-0021	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-041-0019	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-041-0020	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-041-0021	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.00	0.000	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix B Table 2. Expression Levels of Cry35Ab1 in OSL-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-002-0001	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	500	639.07	63.91	63.91
MH061026-002-0002	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	500	599.70	59.97	59.97
MH061026-002-0003	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	500	693.42	69.34	69.34
MH061026-012-0001	IA2 OSL2 Trt 17101	29-Jun-07	15	1.5	500	758.24	75.82	75.82
MH061026-012-0002	IA2 OSL2 Trt 17101	29-Jun-07	15	1.5	500	637.59	63.76	63.76
MH061026-012-0003	IA2 OSL2 Trt 17101	18-Sep-07	15	1.5	1	0.09	0.009	ND[b,c]
MH061026-022-0001	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	500	731.05	73.11	73.11
MH061026-022-0002	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	500	669.18	66.92	66.92
MH061026-022-0003	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	500	777.97	77.80	77.80
MH061026-032-0001	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	500	1133.00	113.30	113.30
MH061026-032-0002	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	500	1112.01	111.20	111.20
MH061026-032-0003	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	500	984.87	98.49	98.49
MH061026-042-0001	NE OSL2 Trt 17101	20-Jul-07	15	1.5	500	793.76	79.38	79.38
MH061026-042-0002	NE OSL2 Trt 17101	20-Jul-07	15	1.5	500	774.44	77.44	77.44
MH061026-042-0003	NE OSL2 Trt 17101	20-Jul-07	15	1.5	500	754.33	75.43	75.43
							Mean =	79.0
							Std dev. =	16.9
MH061026-002-0016	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	500	513.92	51.39	51.39
MH061026-002-0017	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	500	536.07	53.61	53.61
MH061026-002-0018	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	500	591.79	59.18	59.18
MH061026-012-0016	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	500	722.47	72.25	72.25
MH061026-012-0017	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	500	652.18	65.22	65.22
MH061026-012-0018	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	500	714.79	71.48	71.48
MH061026-022-0016	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	500	780.61	78.06	78.06
MH061026-022-0017	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	500	675.34	67.53	67.53
MH061026-022-0018	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	500	732.69	73.27	73.27
MH061026-032-0016	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	500	834.40	83.44	83.44
MH061026-032-0017	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	500	979.53	97.95	97.95
MH061026-032-0018	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	500	1005.05	100.50	100.50
MH061026-042-0016	NE OSL2 Trt 17108	20-Jul-07	15	1.5	500	811.77	81.18	81.18
MH061026-042-0017	NE OSL2 Trt 17108	20-Jul-07	15	1.5	500	768.25	76.83	76.83
MH061026-042-0018	NE OSL2 Trt 17108	20-Jul-07	15	1.5	500	789.86	78.99	78.99
							Mean =	74.1
							Std dev. =	14.0
MH061026-002-0019	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.08	0.008	ND[c]
MH061026-002-0020	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.07	0.007	ND
MH061026-002-0021	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.06	0.006	ND
MH061026-012-0019	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.08	0.008	ND
MH061026-012-0020	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.09	0.009	ND

Appendix B Table 2. (Cont.) Expression Levels of Cry35Ab1 in OSL-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-012-0021	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.06	0.006	ND
MH061026-022-0019	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-022-0020	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.07	0.007	ND
MH061026-022-0021	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.08	0.008	ND
MH061026-032-0019	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.18	0.018	ND
MH061026-032-0020	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.08	0.008	ND
MH061026-032-0021	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-042-0019	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.05	0.005	ND
MH061026-042-0020	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.05	0.005	ND
MH061026-042-0021	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.05	0.005	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Result for this sample not used in calculating the average, standard deviation or range.

[c] ND = Not detected at the method LOD.

Appendix B Table 3. Expression Levels of Cry35Ab1 in OSL-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-003-0001	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	500	1599.01	159.90	159.90
MH061026-003-0002	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	500	1719.04	171.90	171.90
MH061026-003-0003	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	500	1627.43	162.74	162.74
MH061026-013-0001	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	500	1562.01	156.20	156.20
MH061026-013-0002	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	500	1188.60	118.86	118.86
MH061026-013-0003	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	500	1317.88	131.79	131.79
MH061026-023-0001	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	500	1054.94	105.49	105.49
MH061026-023-0002	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	500	1202.85	120.29	120.29
MH061026-023-0003	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	500	1261.21	126.12	126.12
MH061026-033-0001	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	500	1351.28	135.13	135.13
MH061026-033-0002	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	500	1305.66	130.57	130.57
MH061026-033-0003	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	500	1198.05	119.80	119.80
MH061026-043-0001	NE OSL3 Trt 17101	2-Aug-07	15	1.5	500	1360.05	136.01	136.01
MH061026-043-0002	NE OSL3 Trt 17101	2-Aug-07	15	1.5	500	1609.06	160.91	160.91
MH061026-043-0003	NE OSL3 Trt 17101	2-Aug-07	15	1.5	500	1246.44	124.64	124.64
							Mean =	137.4
							Std dev. =	20.0
MH061026-003-0016	IA1 OSL3 Trt 17108	19-Jul-07	15	1.5	500	1544.17	154.42	154.42
MH061026-003-0017	IA1 OSL3 Trt 17108	19-Jul-07	15	1.5	500	1472.36	147.24	147.24
MH061026-003-0018	IA1 OSL3 Trt 17108	19-Jul-07	15	1.5	500	1419.53	141.95	141.95
MH061026-013-0016	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	500	813.31	81.33	81.33
MH061026-013-0017	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	500	1227.71	122.77	122.77
MH061026-013-0018	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	500	1394.42	139.44	139.44
MH061026-023-0016	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	500	387.66	38.77	38.53[b]
		7-Aug-07	15	1.5	500	382.87	38.29	
MH061026-023-0017	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	500	984.33	98.43	98.43
MH061026-023-0018	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	500	941.81	94.18	94.18
MH061026-033-0016	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	500	1271.64	127.16	127.16
MH061026-033-0017	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	500	1178.51	117.85	117.85
MH061026-033-0018	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	500	1274.69	127.47	127.47
MH061026-043-0016	NE OSL3 Trt 17108	2-Aug-07	15	1.5	500	1385.09	138.51	138.51
MH061026-043-0017	NE OSL3 Trt 17108	2-Aug-07	15	1.5	500	1313.06	131.31	131.31
MH061026-043-0018	NE OSL3 Trt 17108	2-Aug-07	15	1.5	500	1584.59	158.46	158.46
							Mean =	121.3
							Std dev. =	31.7
MH061026-003-0019	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	1	0.08	0.008	ND[c]
MH061026-003-0020	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	1	0.09	0.009	ND
MH061026-003-0021	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	1	0.08	0.008	ND
MH061026-013-0019	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.06	0.006	ND

Appendix B Table 3. (Cont.) Expression Levels of Cry35Ab1 in OSL-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-013-0020	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-013-0021	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-023-0019	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-023-0020	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-023-0021	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-033-0019	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-033-0020	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.04	0.004	ND
MH061026-033-0021	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-043-0019	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-043-0020	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.05	0.005	ND
MH061026-043-0021	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.06	0.006	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

Appendix B Table 4. Expression Levels of Cry35Ab1 in OSR-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-004-0001	IA1 OSR1 Trt 17101	15-Aug-07	15	1.5	200	446.74	44.67	44.67
MH061026-004-0002	IA1 OSR1 Trt 17101	15-Aug-07	15	1.5	200	349.85	34.98	34.98
MH061026-004-0003	IA1 OSR1 Trt 17101	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0001	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	100	428.44	42.84	42.84
MH061026-014-0002	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	100	416.89	41.69	41.69
MH061026-014-0003	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	100	316.82	31.68	31.68
MH061026-024-0001	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	200	554.73	55.47	55.47
MH061026-024-0002	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	200	495.58	49.56	49.56
MH061026-024-0003	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	200	693.75	69.38	69.38
MH061026-034-0001	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	200	520.05	52.01	52.01
MH061026-034-0002	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	200	497.98	49.80	49.80
MH061026-034-0003	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	200	448.27	44.83	44.83
MH061026-044-0001	NE OSR1 Trt 17101	13-Sep-07	15	1.5	200	804.70	80.47	80.47
MH061026-044-0002	NE OSR1 Trt 17101	13-Sep-07	15	1.5	200	703.41	70.34	70.34
MH061026-044-0003	NE OSR1 Trt 17101	13-Sep-07	15	1.5	200	733.26	73.33	73.33
							Mean =	52.9
							Std dev. =	15.0
MH061026-004-0016	IA1 OSR1 Trt 17108	15-Aug-07	15	1.5	200	395.31	39.53	39.53
MH061026-004-0017	IA1 OSR1 Trt 17108	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0018	IA1 OSR1 Trt 17108	15-Aug-07	15	1.5	200	398.31	39.83	39.83
MH061026-014-0016	IA2 OSR1 Trt 17108	14-Aug-07	15	1.5	100	397.92	39.79	39.79
MH061026-014-0017	IA2 OSR1 Trt 17108	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0018	IA2 OSR1 Trt 17108	14-Aug-07	15	1.5	100	458.71	45.87	45.87
MH061026-024-0016	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	200	615.57	61.56	61.56
MH061026-024-0017	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	200	415.20	41.52	41.52
MH061026-024-0018	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	200	456.88	45.69	45.69
MH061026-034-0016	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	200	389.82	38.98	38.98
MH061026-034-0017	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	200	458.47	45.85	45.85
MH061026-034-0018	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	200	482.35	48.23	48.23
MH061026-044-0016	NE OSR1 Trt 17108	13-Sep-07	15	1.5	200	650.89	65.09	65.09
MH061026-044-0017	NE OSR1 Trt 17108	13-Sep-07	15	1.5	200	612.90	61.29	61.29
MH061026-044-0018	NE OSR1 Trt 17108	13-Sep-07	15	1.5	200	705.42	70.54	70.54
							Mean =	49.5
							Std dev. =	11.1
MH061026-004-0019	IA1 OSR1 Trt 17109	15-Aug-07	15	1.5	1	0.01	0.001	ND[c]
MH061026-004-0020	IA1 OSR1 Trt 17109	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0021	IA1 OSR1 Trt 17109	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0019	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.09	0.009	ND
MH061026-014-0020	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.09	0.009	ND

Appendix B Table 4. (Cont.) Expression Levels of Cry35Ab1 in OSR-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-014-0021	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.09	0.009	ND
MH061026-024-0019	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.22	0.022	ND
MH061026-024-0020	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.20	0.020	ND
MH061026-024-0021	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.15	0.015	ND
MH061026-034-0019	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.09	0.009	ND
MH061026-034-0020	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.10	0.010	ND
MH061026-034-0021	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.10	0.010	ND
MH061026-044-0019	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.10	0.010	ND
MH061026-044-0020	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.85	0.085	(0.049)[d,e]
		18-Sep-07	15	1.5	1	0.12	0.012	
MH061026-044-0021	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.15	0.015	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Not enough sample available for analysis.
[c] ND = Not detected at the method LOD.
[d] Values in parentheses are below the method LOQ but higher than the method LOD.
[e] Average of multiple analyses (multiple weighings of sample).

Appendix B Table 5. Expression Levels of Cry35Ab1 in OSR-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-005-0001	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	200	302.82	30.28	30.28
MH061026-005-0002	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	200	224.71	22.47	22.47
MH061026-005-0003	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	200	275.02	27.50	27.50
MH061026-015-0001	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	200	505.32	50.53	50.53
MH061026-015-0002	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	200	479.11	47.91	47.91
MH061026-015-0003	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	200	604.93	60.49	60.49
MH061026-025-0001	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	200	382.68	38.27	38.27
MH061026-025-0002	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	200	366.07	36.61	36.61
MH061026-025-0003	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	200	380.40	38.04	38.04
MH061026-035-0001	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	200	420.46	42.05	42.05
MH061026-035-0002	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	200	343.01	34.30	34.30
MH061026-035-0003	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	200	218.86	21.89	21.89
MH061026-045-0001	NE OSR2 Trt 17101	28-Aug-07	15	1.5	200	542.21	54.22	54.22
MH061026-045-0002	NE OSR2 Trt 17101	28-Aug-07	15	1.5	200	594.34	59.43	59.43
MH061026-045-0003	NE OSR2 Trt 17101	28-Aug-07	15	1.5	200	592.11	59.21	59.21
							Mean =	41.5
							Std dev. =	13.2
MH061026-005-0016	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	200	289.51	28.95	28.95
MH061026-005-0017	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	200	253.50	25.35	25.35
MH061026-005-0018	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	200	322.56	32.26	32.26
MH061026-015-0016	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	200	447.91	44.79	44.79
MH061026-015-0017	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	200	336.63	33.66	33.66
MH061026-015-0018	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	200	362.46	36.25	36.25
MH061026-025-0016	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	200	381.75	38.17	38.17
MH061026-025-0017	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	200	367.48	36.75	36.75
MH061026-025-0018	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	200	434.32	43.43	43.43
MH061026-035-0016	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	200	389.02	38.90	38.90
MH061026-035-0017	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	200	506.88	50.69	50.69
MH061026-035-0018	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	200	359.97	36.00	36.00
MH061026-045-0016	NE OSR2 Trt 17108	28-Aug-07	15	1.5	200	586.71	58.67	58.67
MH061026-045-0017	NE OSR2 Trt 17108	28-Aug-07	15	1.5	200	460.93	46.09	46.09
MH061026-045-0018	NE OSR2 Trt 17108	18-Sep-07	15	1.5	2	0.55	0.055	(0.051)[b,c,d]
MH061026-045-0018	NE OSR2 Trt 17108	21-Sep-07	15	1.5	2	0.47	0.047	
							Mean =	39.3
							Std dev. =	8.81
MH061026-005-0019	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.10	0.010	ND[e]
MH061026-005-0020	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-005-0021	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.08	0.008	ND
MH061026-015-0019	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.13	0.013	ND

Appendix B Table 5. (Cont.) Expression Levels of Cry35Ab1 in OSR-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-015-0020	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.11	0.011	ND
MH061026-015-0021	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.13	0.013	ND
MH061026-025-0019	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.10	0.010	ND
MH061026-025-0020	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.14	0.014	ND
MH061026-025-0021	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.11	0.011	ND
MH061026-035-0019	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.13	0.013	ND
MH061026-035-0020	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.10	0.010	ND
MH061026-035-0021	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.16	0.016	ND
MH061026-045-0019	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.14	0.014	ND
MH061026-045-0020	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.15	0.015	ND
MH061026-045-0021	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.09	0.009	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Values in parentheses are below the method LOQ but higher than the method LOD.
[c] Average of multiple analyses (multiple weighings of sample).
[d] This sample not included in calculations of average, std. deviation or range.
[e] ND = Not detected at the method LOD.

Appendix B Table 6. Expression Levels of Cry35Ab1 in OSR-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-006-0001	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	100	219.02	21.90	21.90
MH061026-006-0002	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	100	205.76	20.58	20.58
MH061026-006-0003	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	100	220.85	22.09	22.09
MH061026-016-0001	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	100	220.45	22.04	22.04
MH061026-016-0002	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	100	182.36	18.24	18.24
MH061026-016-0003	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	100	240.33	24.03	24.03
MH061026-026-0001	IL1 OSR3 Trt 17101	18-Sep-07	15	1.5	10	10.29	1.03	1.00[b]
		21-Sep-07	15	1.5	10	9.77	0.98	
MH061026-026-0002	IL1 OSR3 Trt 17101	10-Sep-07	15	1.5	100	190.02	19.00	19.00
MH061026-026-0003	IL1 OSR3 Trt 17101	10-Sep-07	15	1.5	100	162.66	16.27	16.27
MH061026-036-0001	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	100	213.69	21.37	21.37
MH061026-036-0002	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	100	183.36	18.34	18.34
MH061026-036-0003	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	100	202.68	20.27	20.27
MH061026-046-0001	NE OSR3 Trt 17101	11-Sep-07	15	1.5	100	175.87	17.59	17.59
MH061026-046-0002	NE OSR3 Trt 17101	11-Sep-07	15	1.5	100	165.76	16.58	16.58
MH061026-046-0003	NE OSR3 Trt 17101	11-Sep-07	15	1.5	100	152.97	15.30	15.30
							Mean =	18.3
							Std dev. =	5.40
MH061026-006-0016	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	100	195.71	19.57	19.57
MH061026-006-0017	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	100	179.91	17.99	17.99
MH061026-006-0018	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	100	236.48	23.65	23.65
MH061026-016-0016	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	100	171.27	17.13	17.13
MH061026-016-0017	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	100	194.96	19.50	19.50
MH061026-016-0018	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	100	231.58	23.16	23.16
MH061026-026-0016	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	100	149.30	14.93	14.93
MH061026-026-0017	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	100	154.90	15.49	15.49
MH061026-026-0018	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	100	158.12	15.81	15.81
MH061026-036-0016	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	100	232.52	23.25	23.25
MH061026-036-0017	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	100	260.71	26.07	26.07
MH061026-036-0018	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	100	226.58	22.66	22.66
MH061026-046-0016	NE OSR3 Trt 17108	11-Sep-07	15	1.5	100	148.22	14.82	14.82
MH061026-046-0017	NE OSR3 Trt 17108	11-Sep-07	15	1.5	100	162.96	16.30	16.30
MH061026-046-0018	NE OSR3 Trt 17108	11-Sep-07	15	1.5	100	138.26	13.83	13.83
							Mean =	18.9
							Std dev. =	3.93
MH061026-006-0019	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.03	0.003	ND[c]
MH061026-006-0020	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.03	0.003	ND
MH061026-006-0021	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.02	0.002	ND
MH061026-016-0019	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.07	0.007	ND

Appendix B Table 6. (Cont.) Expression Levels of Cry35Ab1 in OSR-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-016-0020	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.05	0.005	ND
MH061026-016-0021	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-026-0019	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.07	0.007	ND
MH061026-026-0020	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.07	0.007	ND
MH061026-026-0021	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.07	0.007	ND
MH061026-036-0019	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.07	0.007	ND
MH061026-036-0020	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.06	0.006	ND
MH061026-036-0021	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.06	0.006	ND
MH061026-046-0019	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.10	0.010	ND
MH061026-046-0020	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.08	0.008	ND
MH061026-046-0021	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.07	0.007	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

Appendix B Table 7. Expression Levels of Cry35Ab1 in OSWP-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-007-0001	IA1 OSWP1 Trt 17101	17-Aug-07	15	1.5	200	553.90	55.39	55.39
MH061026-007-0002	IA1 OSWP1 Trt 17101	17-Aug-07	15	1.5	200	593.96	59.40	59.40
MH061026-007-0003	IA1 OSWP1 Trt 17101	17-Aug-07	15	1.5	200	611.00	61.10	61.10
MH061026-017-0001	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	200	547.06	54.71	54.71
MH061026-017-0002	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	200	499.28	49.93	49.93
MH061026-017-0003	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	200	504.70	50.47	50.47
MH061026-027-0001	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	200	647.89	64.79	64.79
MH061026-027-0002	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	200	578.32	57.83	57.83
MH061026-027-0003	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	200	648.59	64.86	64.86
MH061026-037-0001	IL2 OSWP1 Trt 17101	23-Aug-07	15	1.5	200	706.70	70.67	70.67
MH061026-037-0002	IL2 OSWP1 Trt 17101	23-Aug-07	15	1.5	200	807.04	80.70	80.70
MH061026-037-0003	IL2 OSWP1 Trt 17101	23-Aug-07	15	1.5	200	583.92	58.39	58.39
MH061026-047-0001	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	200	489.99	49.00	49.00
MH061026-047-0002	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	200	521.38	52.14	52.14
MH061026-047-0003	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	200	458.71	45.87	45.87
							Mean =	58.3
							Std dev. =	9.18
MH061026-007-0016	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	200	700.61	70.06	70.06
MH061026-007-0017	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	200	532.17	53.22	53.22
MH061026-007-0018	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	200	637.98	63.80	63.80
MH061026-017-0016	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	200	429.48	42.95	42.95
MH061026-017-0017	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	200	395.88	39.59	39.59
MH061026-017-0018	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	200	490.01	49.00	49.00
MH061026-027-0016	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	200	631.84	63.18	63.18
MH061026-027-0017	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	200	552.18	55.22	55.22
MH061026-027-0018	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	200	584.88	58.49	58.49
MH061026-037-0016	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	200	685.24	68.52	68.52
MH061026-037-0017	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	200	519.84	51.98	51.98
MH061026-037-0018	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	200	822.88	82.29	82.29
MH061026-047-0016	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	200	466.27	46.63	46.63
MH061026-047-0017	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	200	433.32	43.33	43.33
MH061026-047-0018	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	200	492.40	49.24	49.24
							Mean =	55.8
							Std dev. =	11.9
MH061026-007-0019	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	2	0.08	0.008	ND[b]
MH061026-007-0020	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-007-0021	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-017-0019	IA2 OSWP1 Trt 17109	18-Sep-07	15	1.5	2	0.17	0.017	ND
MH061026-017-0020	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	2	0.09	0.009	ND

Appendix B Table 7. (Cont.) Expression Levels of Cry35Ab1 in OSWP-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-017-0021	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	2	0.07	0.007	ND
MH061026-027-0019	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.13	0.013	ND
MH061026-027-0020	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.12	0.012	ND
MH061026-027-0021	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.10	0.010	ND
MH061026-037-0019	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	2	0.47	0.047	ND[c]
MH061026-037-0020	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	2	0.15	0.015	ND
MH061026-037-0021	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	2	0.17	0.017	ND
MH061026-047-0019	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.14	0.014	ND
MH061026-047-0020	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.12	0.012	ND
MH061026-047-0021	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.06	0.006	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

Appendix B Table 8. Expression Levels of Cry35Ab1 in OSWP-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-008-0001	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	200	267.89	26.79	26.79
MH061026-008-0002	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	200	272.82	27.28	27.28
MH061026-008-0003	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	200	344.40	34.44	34.44
MH061026-018-0001	IA2 OSWP2 Trt 17101	10-Aug-07	15	1.5	200	360.36	36.04	36.04
MH061026-018-0002	IA2 OSWP2 Trt 17101	10-Aug-07	15	1.5	200	385.86	38.59	38.59
MH061026-018-0003	IA2 OSWP2 Trt 17101	10-Aug-07	15	1.5	200	429.56	42.96	42.96
MH061026-028-0001	IL1 OSWP2 Trt 17101	19-Sep-07	15	1.5	200	410.67	41.07	41.07
MH061026-028-0002	IL1 OSWP2 Trt 17101	19-Sep-07	15	1.5	200	379.83	37.98	37.98
MH061026-028-0003	IL1 OSWP2 Trt 17101	19-Sep-07	15	1.5	200	403.97	40.40	40.40
MH061026-038-0001	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	200	331.64	33.16	33.16
MH061026-038-0002	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	200	395.72	39.57	39.57
MH061026-038-0003	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	200	305.54	30.55	30.55
MH061026-048-0001	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	200	544.11	54.41	54.41
MH061026-048-0002	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	200	382.33	38.23	38.23
MH061026-048-0003	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	200	352.25	35.22	35.22
							Mean =	37.1
							Std dev. =	6.78
MH061026-008-0016	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	200	283.79	28.38	28.38
MH061026-008-0017	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	200	278.86	27.89	27.89
MH061026-008-0018	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	200	305.90	30.59	30.59
MH061026-018-0016	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	200	314.61	31.46	31.46
MH061026-018-0017	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	200	356.44	35.64	35.64
MH061026-018-0018	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	200	373.91	37.39	37.39
MH061026-028-0016	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	200	327.87	32.79	32.79
MH061026-028-0017	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	200	314.40	31.44	31.44
MH061026-028-0018	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	200	329.78	32.98	32.98
MH061026-038-0016	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	200	387.54	38.75	38.75
MH061026-038-0017	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	200	297.20	29.72	29.72
MH061026-038-0018	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	200	378.19	37.82	37.82
MH061026-048-0016	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	200	396.44	39.64	39.64
MH061026-048-0017	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	200	276.96	27.70	27.70
MH061026-048-0018	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	200	423.39	42.34	42.34
							Mean =	33.6
							Std dev. =	4.67
MH061026-008-0019	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	2	0.30	0.030	ND[b]
		2-Oct-07	15	1.5	2	0.15	0.015	
		2-Oct-07	15	1.5	2	0.15	0.015	
MH061026-008-0020	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	2	0.13	0.013	ND
MH061026-008-0021	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	2	0.25	0.025	ND

Appendix B Table 8. (Cont.) Expression Levels of Cry35Ab1 in OSWP-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-018-0019	IA2 OSWP2 Trt 17109	21-Sep-07	15	1.5	200	389.18	38.92	41.89[c]
		1-Oct-07	15	1.5	200	435.31	43.53	
		2-Oct-07	15	1.5	200	433.91	43.39	
		2-Oct-07	15	1.5	200	417.03	41.70	
MH061026-018-0020	IA2 OSWP2 Trt 17109	10-Aug-07	15	1.5	2	0.30	0.030	ND[d]
MH061026-018-0021	IA2 OSWP2 Trt 17109	NA[e]	NA	NA	NA	NA	NA	NA
MH061026-028-0019	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	2	0.11	0.011	ND
MH061026-028-0020	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	2	0.18	0.018	ND
MH061026-028-0021	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	2	0.26	0.026	ND[d]
MH061026-038-0019	IL2 OSWP2 Trt 17109	18-Sep-07	15	1.5	2	0.17	0.017	ND
MH061026-038-0020	IL2 OSWP2 Trt 17109	18-Sep-07	15	1.5	2	0.14	0.014	ND
MH061026-038-0021	IL2 OSWP2 Trt 17109	18-Sep-07	15	1.5	2	0.19	0.019	ND
MH061026-048-0019	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.14	0.01	ND
MH061026-048-0020	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.15	0.01	ND
MH061026-048-0021	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.15	0.01	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] Average of multiple analyses (multiple weighings of sample).

[d] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

[e] Not enough sample available for analysis.

Appendix B Table 9. Expression Levels of Cry35Ab1 in OSWP-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-009-0001	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	100	197.22	19.72	19.72
MH061026-009-0002	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	100	306.21	30.62	30.62
MH061026-009-0003	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	100	278.80	27.88	27.88
MH061026-019-0001	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	100	225.60	22.56	22.56
MH061026-019-0002	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	100	180.59	18.06	18.06
MH061026-019-0003	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	100	213.86	21.39	21.39
MH061026-029-0001	IL1 OSWP3 Trt 17101	13-Sep-07	15	1.5	100	293.71	29.37	29.37
MH061026-029-0002	IL1 OSWP3 Trt 17101	13-Sep-07	15	1.5	100	151.02	15.10	15.10
MH061026-029-0003	IL1 OSWP3 Trt 17101	13-Sep-07	15	1.5	100	151.79	15.18	15.18
MH061026-039-0001	IL2 OSWP3 Trt 17101	17-Sep-07	15	1.5	100	42.65	4.27	4.23[b]
		18-Sep-07	15	1.5	20	41.98	4.20	
MH061026-039-0002	IL2 OSWP3 Trt 17101	17-Sep-07	15	1.5	100	49.58	4.96	4.96
MH061026-039-0003	IL2 OSWP3 Trt 17101	18-Sep-07	15	1.5	20	25.43	2.54	2.54
MH061026-049-0001	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	100	183.60	18.36	18.36
MH061026-049-0002	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	100	189.02	18.90	18.90
MH061026-049-0003	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	100	176.84	17.68	17.68
							Mean =	17.8
							Std dev. =	8.61
MH061026-009-0016	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	100	242.13	24.21	24.21
MH061026-009-0017	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	100	141.90	14.19	14.19
MH061026-009-0018	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	100	312.97	31.30	31.30
MH061026-019-0016	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	100	252.42	25.24	25.24
MH061026-019-0017	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	100	283.32	28.33	28.33
MH061026-019-0018	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	100	205.23	20.52	20.52
MH061026-029-0016	IL1 OSWP3 Trt 17108	13-Sep-07	15	1.5	100	236.93	23.69	23.69
MH061026-029-0017	IL1 OSWP3 Trt 17108	13-Sep-07	15	1.5	100	112.44	11.24	11.24
MH061026-029-0018	IL1 OSWP3 Trt 17108	13-Sep-07	15	1.5	100	247.96	24.80	24.80
MH061026-039-0016	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	100	137.60	13.76	13.76
MH061026-039-0017	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	100	152.59	15.26	15.26
MH061026-039-0018	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	100	131.89	13.19	13.19
MH061026-049-0016	NE OSWP3 Trt 17108	21-Sep-07	15	1.5	100	113.31	11.33	11.33
MH061026-049-0017	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	100	117.35	11.73	11.73
MH061026-049-0018	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	100	141.96	14.20	14.20
							Mean =	18.9
							Std dev. =	6.84
MH061026-009-0019	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.16	0.016	ND[c]
MH061026-009-0020	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.13	0.013	ND
MH061026-009-0021	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.13	0.013	ND
MH061026-019-0019	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.18	0.018	ND

Appendix B Table 9. (Cont.) Expression Levels of Cry35Ab1 in OSWP-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-019-0020	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.10	0.010	ND
MH061026-019-0021	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.12	0.012	ND
MH061026-029-0019	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	2	0.30	0.030	ND[d]
MH061026-029-0020	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	2	0.11	0.011	ND
MH061026-029-0021	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	2	0.11	0.011	ND
MH061026-039-0019	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.11	0.011	ND
MH061026-039-0020	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.11	0.011	ND
MH061026-039-0021	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.12	0.012	ND
MH061026-049-0019	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.00	0.000	ND
MH061026-049-0020	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.00	0.000	ND
MH061026-049-0021	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.00	0.000	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

[d] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

Appendix B Table 10. Expression Levels of Cry35Ab1 in Pollen Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
061026-010-0013	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.25	0.025	ND[b]
061026-010-0014	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.23	0.023	ND[c]
061026-010-0015	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.40	0.040	(0.040)[d]
061026-021-0013	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.57	0.057	0.057
061026-021-0014	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.49	0.049	(0.049)
061026-021-0015	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.33	0.033	(0.033)
061026-032-0013	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.57	0.057	0.057
061026-032-0014	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.18	0.018	ND
061026-032-0015	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.31	0.031	(0.031)
061026-043-0013	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.25	0.025	ND[b]
061026-043-0014	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.21	0.021	ND
061026-043-0015	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.18	0.018	ND
061026-054-0013	NE Pollen Trt 17101	16-Feb-07	15	1.5	1	0.27	0.027	ND[b]
061026-054-0014	NE Pollen Trt 17101	16-Feb-07	15	1.5	1	0.27	0.027	ND[b]
061026-054-0015	NE Pollen Trt 17101	16-Feb-07	15	1.5	1	0.30	0.030	(0.030)
							Mean =	(0.03)
							Std dev. =	0.01
061026-010-0034	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.24	0.024	ND
061026-010-0035	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.16	0.016	ND
061026-010-0036	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.20	0.020	ND
061026-021-0034	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.59	0.059	0.059
061026-021-0035	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.93	0.093	0.093
061026-021-0036	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	1	2.80	0.280	0.28
061026-032-0034	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.18	0.018	ND
061026-032-0035	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	1	5.31	0.531	0.53
061026-032-0036	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	1	1.19	0.119	0.12
061026-043-0034	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.18	0.018	ND
061026-043-0035	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.20	0.020	ND
061026-043-0036	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.22	0.022	ND
061026-054-0034	NE Pollen Trt 17108	30-Apr-07	15	1.5	1	0.48	0.048	(0.048)
061026-054-0035	NE Pollen Trt 17108	30-Apr-07	15	1.5	1	0.52	0.052	(0.052)
061026-054-0036	NE Pollen Trt 17108	30-Apr-07	15	1.5	1	0.26	0.026	ND[b]
							Mean =	0.09
							Std dev. =	0.14
061026-010-0037	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.03	0.003	ND
061026-010-0038	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.04	0.004	ND
061026-010-0039	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.04	0.004	ND
061026-021-0037	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.03	0.003	ND
061026-021-0038	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.03	0.003	ND

Appendix B Table 10. (Cont.) Expression Levels of Cry35Ab1 in Pollen Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
061026-021-0039	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.09	0.009	ND
061026-032-0037	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.03	0.003	ND
061026-032-0038	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.03	0.003	ND
061026-032-0039	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.03	0.003	ND
061026-043-0037	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.04	0.004	ND
061026-043-0038	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.04	0.004	ND
061026-043-0039	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.04	0.004	ND
061026-054-0037	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.00	0.000	ND
061026-054-0038	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.01	0.001	ND
061026-054-0039	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.00	0.000	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

[c] ND = Not detected at the method LOD.

[d] Values in parentheses are below the method LOQ but higher than the method LOD.

Appendix B Table 11. Expression Levels of Cry35Ab1 in Grain Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-010-0001	IA1 Grain Trt 17101	19-Jul-07	15	1.5	20	20.23	2.02	2.02
MH061026-010-0002	IA1 Grain Trt 17101	19-Jul-07	15	1.5	20	16.73	1.67	1.67
MH061026-010-0003	IA1 Grain Trt 17101	19-Jul-07	15	1.5	20	18.76	1.88	1.88
MH061026-020-0001	IA2 Grain Trt 17101	30-Jul-07	15	1.5	20	21.33	2.13	2.13
MH061026-020-0002	IA2 Grain Trt 17101	30-Jul-07	15	1.5	20	22.55	2.26	2.26
MH061026-020-0003	IA2 Grain Trt 17101	30-Jul-07	15	1.5	20	26.51	2.65	2.65
MH061026-030-0001	IL1 Grain Trt 17101	1-Aug-07	15	1.5	20	18.04	1.80	1.80
MH061026-030-0002	IL1 Grain Trt 17101	1-Aug-07	15	1.5	20	18.91	1.89	1.89
MH061026-030-0003	IL1 Grain Trt 17101	1-Aug-07	15	1.5	20	16.18	1.62	1.62
MH061026-040-0001	IL2 Grain Trt 17101	2-Aug-07	15	1.5	10	19.97	2.00	2.00
MH061026-040-0002	IL2 Grain Trt 17101	2-Aug-07	15	1.5	10	20.74	2.07	2.07
MH061026-040-0003	IL2 Grain Trt 17101	2-Aug-07	15	1.5	10	19.35	1.94	1.94
MH061026-050-0001	NE Grain Trt 17101	3-Aug-07	15	1.5	10	15.10	1.51	1.51
MH061026-050-0002	NE Grain Trt 17101	3-Aug-07	15	1.5	10	11.78	1.18	1.18
MH061026-050-0003	NE Grain Trt 17101	3-Aug-07	15	1.5	10	13.55	1.35	1.35
							Mean =	1.86
							Std dev. =	0.37
MH061026-010-0016	IA1 Grain Trt 17108	19-Jul-07	15	1.5	20	15.38	1.54	1.54
MH061026-010-0017	IA1 Grain Trt 17108	19-Jul-07	15	1.5	20	16.15	1.62	1.62
MH061026-010-0018	IA1 Grain Trt 17108	19-Jul-07	15	1.5	20	17.42	1.74	1.74
MH061026-020-0016	IA2 Grain Trt 17108	30-Jul-07	15	1.5	20	17.27	1.73	1.73
MH061026-020-0017	IA2 Grain Trt 17108	30-Jul-07	15	1.5	20	15.75	1.57	1.57
MH061026-020-0018	IA2 Grain Trt 17108	30-Jul-07	15	1.5	20	23.06	2.31	2.31
MH061026-030-0016	IL1 Grain Trt 17108	1-Aug-07	15	1.5	20	20.62	2.06	2.06
MH061026-030-0017	IL1 Grain Trt 17108	1-Aug-07	15	1.5	20	15.87	1.59	1.59
MH061026-030-0018	IL1 Grain Trt 17108	1-Aug-07	15	1.5	20	18.65	1.87	1.87
MH061026-040-0016	IL2 Grain Trt 17108	7-Aug-07	15	1.5	10	16.06	1.61	1.61
MH061026-040-0017	IL2 Grain Trt 17108	2-Aug-07	15	1.5	10	16.07	1.61	1.61
MH061026-040-0018	IL2 Grain Trt 17108	2-Aug-07	15	1.5	10	19.56	1.96	1.96
MH061026-050-0016	NE Grain Trt 17108	3-Aug-07	15	1.5	10	13.00	1.30	1.30
MH061026-050-0017	NE Grain Trt 17108	3-Aug-07	15	1.5	10	12.41	1.24	1.24
MH061026-050-0018	NE Grain Trt 17108	3-Aug-07	15	1.5	10	15.60	1.56	1.56
							Mean =	1.69
							Std dev. =	0.28
MH061026-010-0019	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.03	0.003	ND[b]
MH061026-010-0020	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-010-0021	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-020-0019	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-020-0020	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.06	0.006	ND

Appendix B Table 11. (Cont.) Expression Levels of Cry35Ab1 in Grain Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry35Ab1 Reported Results (ng/mL)	Cry35Ab1 Results (ng/mg)[a]	Reported Cry35Ab1 Results (ng/mg)
MH061026-020-0021	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.05	0.005	ND
MH061026-030-0019	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-030-0020	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-030-0021	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-040-0019	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-040-0020	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.01	0.001	ND
MH061026-040-0021	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.26	0.026[c]	ND
		7-Aug-07	15	1.5	1	0.26	0.026[c]	
		7-Aug-07	15	1.5	1	0.35	0.035	
MH061026-050-0019	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-050-0020	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-050-0021	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.02	0.002	ND

[a] Results (ng/mg) Cry35Ab1 = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] Sample absorbances below average absorbance for 0.3 ng/mL standard, thus reported as ND.

Appendix C—Cry1F Expression Data from Individual Samples

Appendix C Table 1. Expression Levels of Cry1F in OSL-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-001-0004	IA1 OSL1 Trt 17103	18-Jun-07	15	1.5	50	287.43	28.743	28.74
MH061026-001-0005	IA1 OSL1 Trt 17103	18-Jun-07	15	1.5	50	268.81	26.881	26.88
MH061026-001-0006	IA1 OSL1 Trt 17103	18-Jun-07	15	1.5	50	258.56	25.856	25.86
MH061026-011-0004	IA2 OSL1 Trt 17103	26-Jun-07	15	1.5	50	155.03	15.503	15.50
MH061026-011-0005	IA2 OSL1 Trt 17103	26-Jun-07	15	1.5	50	172.24	17.224	17.22
MH061026-011-0006	IA2 OSL1 Trt 17103	26-Jun-07	15	1.5	50	161.80	16.180	16.18
MH061026-021-0004	IL1 OSL1 Trt 17103	3-Jul-07	15	1.5	50	185.44	18.544	18.54
MH061026-021-0005	IL1 OSL1 Trt 17103	3-Jul-07	15	1.5	50	164.24	16.424	16.42
MH061026-021-0006	IL1 OSL1 Trt 17103	3-Jul-07	15	1.5	50	167.66	16.766	16.77
MH061026-031-0004	IL2 OSL1 Trt 17103	12-Jul-07	15	1.5	50	199.93	19.993	19.99
MH061026-031-0005	IL2 OSL1 Trt 17103	12-Jul-07	15	1.5	50	255.40	25.540	25.54
MH061026-031-0006	IL2 OSL1 Trt 17103	12-Jul-07	15	1.5	50	249.70	24.970	24.97
MH061026-041-0004	NE OSL1 Trt 17103	13-Jul-07	15	1.5	50	262.45	26.245	26.24
MH061026-041-0005	NE OSL1 Trt 17103	13-Jul-07	15	1.5	50	281.33	28.133	28.13
MH061026-041-0006	NE OSL1 Trt 17103	13-Jul-07	15	1.5	50	342.55	34.255	34.25
							Mean =	22.8
							Std dev. =	5.83
MH061026-001-0016	IA1 OSL1 Trt 17108	18-Jun-07	15	1.5	50	274.21	27.421	27.42
MH061026-001-0017	IA1 OSL1 Trt 17108	18-Jun-07	15	1.5	50	278.58	27.858	27.86
MH061026-001-0018	IA1 OSL1 Trt 17108	18-Jun-07	15	1.5	50	241.67	24.167	24.17
MH061026-011-0016	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	50	154.04	15.404	15.40
MH061026-011-0017	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	50	195.92	19.592	19.59
MH061026-011-0018	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	50	204.11	20.411	20.41
MH061026-021-0016	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	50	164.47	16.447	16.45
MH061026-021-0017	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	50	158.89	15.889	15.89
MH061026-021-0018	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	50	196.23	19.623	19.62
MH061026-031-0016	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	50	166.37	16.637	16.64
MH061026-031-0017	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	50	243.92	24.392	24.39
MH061026-031-0018	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	50	191.47	19.147	19.15
MH061026-041-0016	NE OSL1 Trt 17108	13-Jul-07	15	1.5	50	297.11	29.711	29.71
MH061026-041-0017	NE OSL1 Trt 17108	13-Jul-07	15	1.5	50	297.20	29.720	29.72
MH061026-041-0018	NE OSL1 Trt 17108	13-Jul-07	15	1.5	50	310.77	31.077	31.08
							Mean =	22.5
							Std dev. =	5.57
MH061026-001-0019	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	1	0.00	0.000	ND[b]
MH061026-001-0020	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-001-0021	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	1	0.00	0.000	ND

Appendix C Table 1. (Cont.) Expression Levels of Cry1F in OSL-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-011-0019	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-011-0020	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-011-0021	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-021-0019	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-021-0020	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-021-0021	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-031-0019	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-031-0020	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-031-0021	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-041-0019	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-041-0020	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-041-0021	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.00	0.000	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix C Table 2. Expression Levels of Cry1F in OSL-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-002-0004	IA1 OSL2 Trt 17103	27-Jun-07	15	1.5	50	160.37	16.037	16.04
MH061026-002-0005	IA1 OSL2 Trt 17103	27-Jun-07	15	1.5	50	155.42	15.542	15.54
MH061026-002-0006	IA1 OSL2 Trt 17103	27-Jun-07	15	1.5	50	129.60	12.960	12.96
MH061026-012-0004	IA2 OSL2 Trt 17103	29-Jun-07	15	1.5	50	111.78	11.178	11.18
MH061026-012-0005	IA2 OSL2 Trt 17103	29-Jun-07	15	1.5	50	122.23	12.223	12.22
MH061026-012-0006	IA2 OSL2 Trt 17103	29-Jun-07	15	1.5	50	118.31	11.831	11.83
MH061026-022-0004	IL1 OSL2 Trt 17103	17-Jul-07	15	1.5	50	105.79	10.579	10.58
MH061026-022-0005	IL1 OSL2 Trt 17103	17-Jul-07	15	1.5	50	98.39	9.839	9.84
MH061026-022-0006	IL1 OSL2 Trt 17103	17-Jul-07	15	1.5	50	99.90	9.990	9.99
MH061026-032-0004	IL2 OSL2 Trt 17103	18-Jul-07	15	1.5	50	235.83	23.583	23.58
MH061026-032-0005	IL2 OSL2 Trt 17103	18-Jul-07	15	1.5	50	191.90	19.190	19.19
MH061026-032-0006	IL2 OSL2 Trt 17103	18-Jul-07	15	1.5	50	146.56	14.656	14.66
MH061026-042-0004	NE OSL2 Trt 17103	20-Jul-07	15	1.5	50	197.43	19.743	19.74
MH061026-042-0005	NE OSL2 Trt 17103	20-Jul-07	15	1.5	50	196.61	19.661	19.66
MH061026-042-0006	NE OSL2 Trt 17103	20-Jul-07	15	1.5	50	197.15	19.715	19.71
							Mean =	15.1
							Std dev. =	4.37
MH061026-002-0016	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	50	132.51	13.251	13.25
MH061026-002-0017	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	50	129.22	12.922	12.92
MH061026-002-0018	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	50	141.18	14.118	14.12
MH061026-012-0016	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	50	109.24	10.924	10.92
MH061026-012-0017	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	50	128.98	12.898	12.90
MH061026-012-0018	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	50	117.83	11.783	11.78
MH061026-022-0016	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	50	118.70	11.870	11.87
MH061026-022-0017	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	50	125.29	12.529	12.53
MH061026-022-0018	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	50	121.47	12.147	12.15
MH061026-032-0016	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	50	172.70	17.270	17.27
MH061026-032-0017	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	50	213.84	21.384	21.38
MH061026-032-0018	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	50	191.54	19.154	19.15
MH061026-042-0016	NE OSL2 Trt 17108	20-Jul-07	15	1.5	50	187.37	18.737	18.74
MH061026-042-0017	NE OSL2 Trt 17108	20-Jul-07	15	1.5	50	185.92	18.592	18.59
MH061026-042-0018	NE OSL2 Trt 17108	20-Jul-07	15	1.5	50	179.00	17.900	17.90
							Mean =	15.0
							Std dev. =	3.40
MH061026-002-0019	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.00	0.000	ND[b]
MH061026-002-0020	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-002-0021	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-012-0019	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.00	0.000	ND

Appendix C Table 2. (Cont.) Expression Levels of Cry1F in OSL-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-012-0020	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-012-0021	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-022-0019	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-022-0020	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-022-0021	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-032-0019	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-032-0020	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-032-0021	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-042-0019	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-042-0020	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-042-0021	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.00	0.000	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix C Table 3. Expression Levels of Cry1F in OSL-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-003-0004	IA1 OSL3 Trt 17103	6-Aug-07	15	1.5	50	126.64	12.664	12.66
MH061026-003-0005	IA1 OSL3 Trt 17103	6-Aug-07	15	1.5	50	157.72	15.772	15.77
MH061026-003-0006	IA1 OSL3 Trt 17103	6-Aug-07	15	1.5	50	176.33	17.633	17.63
MH061026-013-0004	IA2 OSL3 Trt 17103	31-Jul-07	15	1.5	50	179.10	17.910	17.91
MH061026-013-0005	IA2 OSL3 Trt 17103	31-Jul-07	15	1.5	50	188.16	18.816	18.82
MH061026-013-0006	IA2 OSL3 Trt 17103	31-Jul-07	15	1.5	50	189.40	18.940	18.94
MH061026-023-0004	IL1 OSL3 Trt 17103	25-Jul-07	15	1.5	50	170.59	17.059	17.06
MH061026-023-0005	IL1 OSL3 Trt 17103	25-Jul-07	15	1.5	50	150.79	15.079	15.08
MH061026-023-0006	IL1 OSL3 Trt 17103	25-Jul-07	15	1.5	50	168.00	16.800	16.80
MH061026-033-0004	IL2 OSL3 Trt 17103	3-Aug-07	15	1.5	50	177.39	17.739	17.74
MH061026-033-0005	IL2 OSL3 Trt 17103	3-Aug-07	15	1.5	50	152.91	15.291	15.29
MH061026-033-0006	IL2 OSL3 Trt 17103	3-Aug-07	15	1.5	50	139.48	13.948	13.95
MH061026-043-0004	NE OSL3 Trt 17103	2-Aug-07	15	1.5	50	246.27	24.627	24.63
MH061026-043-0005	NE OSL3 Trt 17103	2-Aug-07	15	1.5	50	237.29	23.729	23.73
MH061026-043-0006	NE OSL3 Trt 17103	2-Aug-07	15	1.5	50	231.80	23.180	23.18
							Mean =	17.9
							Std dev. =	3.52
MH061026-003-0016	IA1 OSL3 Trt 17108	6-Aug-07	15	1.5	50	226.80	22.680	22.68
MH061026-003-0017	IA1 OSL3 Trt 17108	6-Aug-07	15	1.5	50	219.41	21.941	21.94
MH061026-003-0018	IA1 OSL3 Trt 17108	13-Aug-07	15	1.5	50	164.72	16.472	15.87[b]
		13-Aug-07	15	1.5	50	152.69	15.269	
MH061026-013-0016	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	50	203.41	20.341	20.34
MH061026-013-0017	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	50	196.61	19.661	19.66
MH061026-013-0018	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	50	196.80	19.680	19.68
MH061026-023-0016	IL1 OSL3 Trt 17108	25-Jul-07	15	1.5	50	163.97	16.397	16.40
MH061026-023-0017	IL1 OSL3 Trt 17108	25-Jul-07	15	1.5	50	145.82	14.582	14.58
MH061026-023-0018	IL1 OSL3 Trt 17108	25-Jul-07	15	1.5	50	166.77	16.677	16.68
MH061026-033-0016	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	50	184.05	18.405	18.41
MH061026-033-0017	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	50	156.23	15.623	15.62
MH061026-033-0018	IL2 OSL3 Trt 17108	3-Aug-07	15	1.5	50	184.18	18.418	18.42
MH061026-043-0016	NE OSL3 Trt 17108	2-Aug-07	15	1.5	50	232.73	23.273	23.27
MH061026-043-0017	NE OSL3 Trt 17108	2-Aug-07	15	1.5	50	275.28	27.528	27.53
MH061026-043-0018	NE OSL3 Trt 17108	2-Aug-07	15	1.5	50	295.00	29.500	29.50
							Mean =	20.0
							Std dev. =	4.34
MH061026-003-0019	IA1 OSL3 Trt 17109	6-Aug-07	15	1.5	1	0.08	0.008	ND[c]
MH061026-003-0020	IA1 OSL3 Trt 17109	6-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-003-0021	IA1 OSL3 Trt 17109	6-Aug-07	15	1.5	1	0.07	0.007	ND

Appendix C Table 3. (Cont.) Expression Levels of Cry1F in OSL-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-013-0019	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-013-0020	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-013-0021	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-023-0019	IL1 OSL3 Trt 17109	25-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-023-0020	IL1 OSL3 Trt 17109	25-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-023-0021	IL1 OSL3 Trt 17109	25-Jul-07	15	1.5	1	0.00	0.000	ND
MH061026-033-0019	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-033-0020	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-033-0021	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-043-0019	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-043-0020	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-043-0021	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.00	0.000	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

Appendix C Table 4. Expression Levels of Cry1F in OSR-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-004-0004	IA1 OSR1 Trt 17103	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0005	IA1 OSR1 Trt 17103	15-Aug-07	15	1.5	40	99.29	9.929	9.93
MH061026-004-0006	IA1 OSR1 Trt 17103	15-Aug-07	15	1.5	40	86.15	8.615	8.62
MH061026-014-0004	IA2 OSR1 Trt 17103	14-Aug-07	15	1.5	40	96.15	9.615	9.61
MH061026-014-0005	IA2 OSR1 Trt 17103	14-Aug-07	15	1.5	40	115.65	11.565	11.57
MH061026-014-0006	IA2 OSR1 Trt 17103	14-Aug-07	15	1.5	40	123.14	12.314	12.31
MH061026-024-0004	IL1 OSR1 Trt 17103	16-Aug-07	15	1.5	40	122.13	12.213	12.21
MH061026-024-0005	IL1 OSR1 Trt 17103	16-Aug-07	15	1.5	40	94.93	9.493	9.49
MH061026-024-0006	IL1 OSR1 Trt 17103	16-Aug-07	15	1.5	40	110.05	11.005	11.00
MH061026-034-0004	IL2 OSR1 Trt 17103	21-Aug-07	15	1.5	40	126.39	12.639	12.64
MH061026-034-0005	IL2 OSR1 Trt 17103	21-Aug-07	15	1.5	40	131.72	13.172	13.17
MH061026-034-0006	IL2 OSR1 Trt 17103	21-Aug-07	15	1.5	40	88.29	8.829	8.83
MH061026-044-0004	NE OSR1 Trt 17103	13-Sep-07	15	1.5	40	107.37	10.737	10.74
MH061026-044-0005	NE OSR1 Trt 17103	13-Sep-07	15	1.5	40	122.73	12.273	12.27
MH061026-044-0006	NE OSR1 Trt 17103	13-Sep-07	15	1.5	40	120.57	12.057	12.06
							Mean =	11.0
							Std dev. =	1.51
MH061026-004-0016	IA1 OSR1 Trt 17108	15-Aug-07	15	1.5	40	91.72	9.172	9.17
MH061026-004-0017	IA1 OSR1 Trt 17108	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0018	IA1 OSR1 Trt 17108	15-Aug-07	15	1.5	40	102.72	10.272	10.27
MH061026-014-0016	IA2 OSR1 Trt 17108	14-Aug-07	15	1.5	40	105.94	10.594	10.59
MH061026-014-0017	IA2 OSR1 Trt 17108	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0018	IA2 OSR1 Trt 17108	14-Aug-07	15	1.5	40	126.33	12.633	12.63
MH061026-024-0016	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	40	128.19	12.819	12.82
MH061026-024-0017	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	40	115.34	11.534	11.53
MH061026-024-0018	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	40	122.45	12.245	12.24
MH061026-034-0016	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	40	125.29	12.529	12.53
MH061026-034-0017	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	40	138.69	13.869	13.87
MH061026-034-0018	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	40	147.00	14.700	14.70
MH061026-044-0016	NE OSR1 Trt 17108	13-Sep-07	15	1.5	40	58.45	5.845	5.85
MH061026-044-0017	NE OSR1 Trt 17108	13-Sep-07	15	1.5	40	127.80	12.780	12.78
MH061026-044-0018	NE OSR1 Trt 17108	13-Sep-07	15	1.5	40	140.31	14.031	14.03
							Mean =	11.8
							Std dev. =	2.37
MH061026-004-0019	IA1 OSR1 Trt 17109	15-Aug-07	15	1.5	1	0.03	0.003	ND[c]
MH061026-004-0020	IA1 OSR1 Trt 17109	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0021	IA1 OSR1 Trt 17109	15-Aug-07	10.7[d]	1.07	1	0.02	0.002	ND
MH061026-014-0019	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.15	0.015	ND

Appendix C Table 4. (Cont.) Expression Levels of Cry1F in OSR-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-014-0020	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.15	0.015	ND
MH061026-014-0021	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.15	0.015	ND
MH061026-024-0019	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-024-0020	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-024-0021	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-034-0019	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-034-0020	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-034-0021	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-044-0019	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-044-0020	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-044-0021	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.05	0.005	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Not enough sample available for analysis.

[c] ND = Not detected at the method LOD.

[d] For sample weights less than 15 mg, the exact weight was used in calculations.

Appendix C Table 5. Expression Levels of Cry1F in OSR-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-005-0004	IA1 OSR2 Trt 17103	22-Aug-07	15	1.5	40	83.78	8.378	8.38
MH061026-005-0005	IA1 OSR2 Trt 17103	22-Aug-07	15	1.5	40	84.25	8.425	8.42
MH061026-005-0006	IA1 OSR2 Trt 17103	22-Aug-07	15	1.5	40	59.15	5.915	5.91
MH061026-015-0004	IA2 OSR2 Trt 17103	23-Aug-07	15	1.5	40	105.79	10.579	10.58
MH061026-015-0005	IA2 OSR2 Trt 17103	23-Aug-07	15	1.5	40	108.93	10.893	10.89
MH061026-015-0006	IA2 OSR2 Trt 17103	23-Aug-07	15	1.5	40	100.56	10.056	10.06
MH061026-025-0004	IL1 OSR2 Trt 17103	27-Aug-07	15	1.5	40	97.88	9.788	9.79
MH061026-025-0005	IL1 OSR2 Trt 17103	27-Aug-07	15	1.5	40	92.68	9.268	9.27
MH061026-025-0006	IL1 OSR2 Trt 17103	27-Aug-07	15	1.5	40	98.68	9.868	9.87
MH061026-035-0004	IL2 OSR2 Trt 17103	19-Sep-07	15	1.5	40&10[b]	68.07	6.807	6.81
MH061026-035-0005	IL2 OSR2 Trt 17103	19-Sep-07	15	1.5	40&10[b]	61.40	6.140	6.14
MH061026-035-0006	IL2 OSR2 Trt 17103	19-Sep-07	15	1.5	40&10[b]	49.54	4.954	4.95
MH061026-045-0004	NE OSR2 Trt 17103	28-Aug-07	15	1.5	40	70.14	7.014	7.01
MH061026-045-0005	NE OSR2 Trt 17103	28-Aug-07	15	1.5	40	113.05	11.305	11.30
MH061026-045-0006	NE OSR2 Trt 17103	28-Aug-07	15	1.5	40	87.01	8.701	8.70
							Mean =	8.54
							Std dev. =	1.97
MH061026-005-0016	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	40	74.05	7.405	7.40
MH061026-005-0017	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	40	83.64	8.364	8.36
MH061026-005-0018	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	40	86.25	8.625	8.62
MH061026-015-0016	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	40	122.59	12.259	12.26
MH061026-015-0017	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	40	94.32	9.432	9.43
MH061026-015-0018	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	40	38.63	3.863	3.86
MH061026-025-0016	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	40	91.96	9.196	9.20
MH061026-025-0017	IL1 OSR2 Trt 17108	19-Sep-07	15	1.5	1	0.00	0.000	ND[d,e]
		24-Sep-07	15	1.5	1	0.03	0.003	
MH061026-025-0018	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	40	98.50	9.850	9.85
MH061026-035-0016	IL2 OSR2 Trt 17108	19-Sep-07	15	1.5	40&10[b]	31.86	3.186	3.19
MH061026-035-0017	IL2 OSR2 Trt 17108	19-Sep-07	15	1.5	40	137.65	13.765	13.77
MH061026-035-0018	IL2 OSR2 Trt 17108	19-Sep-07	15	1.5	40&10[b]	56.01	5.601	6.03[c]
		24-Sep-07	15	1.5	20	64.50	6.450	
MH061026-045-0016	NE OSR2 Trt 17108	28-Aug-07	15	1.5	40	83.33	8.333	8.33
MH061026-045-0017	NE OSR2 Trt 17108	28-Aug-07	15	1.5	40	77.25	7.725	7.73
MH061026-045-0018	NE OSR2 Trt 17108	19-Sep-07	15	1.5	1	0.19	0.019	ND[e]
		24-Sep-07	15	1.5	1	0.27	0.027	
							Mean =	8.31
							Std dev. =	2.92
MH061026-005-0019	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-005-0020	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.00	0.000	ND

Appendix C Table 5. (Cont.) Expression Levels of Cry1F in OSR-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-005-0021	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-015-0019	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.09	0.009	ND
MH061026-015-0020	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.09	0.009	ND
MH061026-015-0021	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.09	0.009	ND
MH061026-025-0019	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-025-0020	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-025-0021	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-035-0019	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-035-0020	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.05	0.005	ND
MH061026-035-0021	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-045-0019	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-045-0020	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-045-0021	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.03	0.003	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple dilutions of the same sample extract.
[c] Average of multiple analyses (multiple weighings of sample).
[d] ND = Not detected at the method LOD.
[e] Result for this sample not used in calculating the average, standard deviation or range.

Appendix C Table 6. Expression Levels of Cry1F in OSR-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-006-0004	IA1 OSR3 Trt 17103	5-Sep-07	15	1.5	20	65.60	6.560	6.56
MH061026-006-0005	IA1 OSR3 Trt 17103	5-Sep-07	15	1.5	20	59.72	5.972	5.97
MH061026-006-0006	IA1 OSR3 Trt 17103	5-Sep-07	15	1.5	20	55.27	5.527	5.53
MH061026-016-0004	IA2 OSR3 Trt 17103	29-Aug-07	15	1.5	20	51.35	5.135	5.14
MH061026-016-0005	IA2 OSR3 Trt 17103	29-Aug-07	15	1.5	20	48.84	4.884	4.88
MH061026-016-0006	IA2 OSR3 Trt 17103	29-Aug-07	15	1.5	20	48.95	4.895	4.89
MH061026-026-0004	IL1 OSR3 Trt 17103	10-Sep-07	15	1.5	20	47.39	4.739	4.74
MH061026-026-0005	IL1 OSR3 Trt 17103	10-Sep-07	15	1.5	20	43.47	4.347	4.35
MH061026-026-0006	IL1 OSR3 Trt 17103	10-Sep-07	15	1.5	20	55.43	5.543	5.54
MH061026-036-0004	IL2 OSR3 Trt 17103	6-Sep-07	15	1.5	20	68.91	6.891	6.89
MH061026-036-0005	IL2 OSR3 Trt 17103	6-Sep-07	15	1.5	20	69.67	6.967	6.97
MH061026-036-0006	IL2 OSR3 Trt 17103	6-Sep-07	15	1.5	20	63.98	6.398	6.40
MH061026-046-0004	NE OSR3 Trt 17103	11-Sep-07	15	1.5	20	40.73	4.073	4.07
MH061026-046-0005	NE OSR3 Trt 17103	11-Sep-07	15	1.5	20	42.22	4.222	4.22
MH061026-046-0006	NE OSR3 Trt 17103	11-Sep-07	15	1.5	20	36.33	3.633	3.63
							Mean =	5.32
							Std dev. =	1.06
MH061026-006-0016	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	20	61.35	6.135	6.13
MH061026-006-0017	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	20	66.59	6.659	6.66
MH061026-006-0018	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	20	69.61	6.961	6.96
MH061026-016-0016	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	20	50.56	5.056	5.06
MH061026-016-0017	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	20	50.78	5.078	5.08
MH061026-016-0018	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	20	59.68	5.968	5.97
MH061026-026-0016	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	20	49.34	4.934	4.93
MH061026-026-0017	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	20	54.89	5.489	5.49
MH061026-026-0018	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	20	51.54	5.154	5.15
MH061026-036-0016	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	20	76.77	7.677	7.68
MH061026-036-0017	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	20	87.12	8.712	8.71
MH061026-036-0018	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	20	73.65	7.365	7.36
MH061026-046-0016	NE OSR3 Trt 17108	11-Sep-07	15	1.5	20	46.31	4.631	4.63
MH061026-046-0017	NE OSR3 Trt 17108	11-Sep-07	15	1.5	20	44.56	4.456	4.46
MH061026-046-0018	NE OSR3 Trt 17108	11-Sep-07	15	1.5	20	52.33	5.233	5.23
							Mean =	5.97
							Std dev. =	1.26
MH061026-006-0019	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.00	0.000	ND[b]
MH061026-006-0020	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-006-0021	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-016-0019	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.07	0.007	ND

Appendix C Table 6. (Cont.) Expression Levels of Cry1F in OSR-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-016-0020	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-016-0021	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-026-0019	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-026-0020	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-026-0021	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-036-0019	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-036-0020	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-036-0021	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-046-0019	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-046-0020	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-046-0021	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.00	0.000	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix C Table 7. Expression Levels of Cry1F in OSWP-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-007-0004	IA1 OSWP1 Trt 17103	17-Aug-07	15	1.5	25	127.59	12.759	12.76
MH061026-007-0005	IA1 OSWP1 Trt 17103	17-Aug-07	15	1.5	25	129.75	12.975	12.97
MH061026-007-0006	IA1 OSWP1 Trt 17103	17-Aug-07	15	1.5	25	112.42	11.242	11.24
MH061026-017-0004	IA2 OSWP1 Trt 17103	20-Aug-07	15	1.5	25	127.36	12.736	12.74
MH061026-017-0005	IA2 OSWP1 Trt 17103	20-Aug-07	15	1.5	25	94.92	9.492	9.49
MH061026-017-0006	IA2 OSWP1 Trt 17103	20-Aug-07	15	1.5	25	113.51	11.351	11.35
MH061026-027-0004	IL1 OSWP1 Trt 17103	21-Aug-07	15	1.5	25	79.66	7.966	7.97
MH061026-027-0005	IL1 OSWP1 Trt 17103	21-Aug-07	15	1.5	25	95.23	9.523	9.52
MH061026-027-0006	IL1 OSWP1 Trt 17103	21-Aug-07	15	1.5	25	91.63	9.163	9.16
MH061026-037-0004	IL2 OSWP1 Trt 17103	23-Aug-07	15	1.5	25	77.71	7.771	7.77
MH061026-037-0005	IL2 OSWP1 Trt 17103	23-Aug-07	15	1.5	25	68.47	6.847	6.85
MH061026-037-0006	IL2 OSWP1 Trt 17103	23-Aug-07	15	1.5	25	79.01	7.901	7.90
MH061026-047-0004	NE OSWP1 Trt 17103	7-Sep-07	15	1.5	25	90.95	9.095	9.10
MH061026-047-0005	NE OSWP1 Trt 17103	7-Sep-07	15	1.5	25	94.02	9.402	9.40
MH061026-047-0006	NE OSWP1 Trt 17103	7-Sep-07	15	1.5	25	110.38	11.038	11.04
							Mean =	10.0
							Std dev. =	1.97
MH061026-007-0016	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	25	153.52	15.352	15.35
MH061026-007-0017	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	25	130.08	13.008	13.01
MH061026-007-0018	IA1 OSWP1 Trt 17108	17-Aug-07	15	1.5	25	130.14	13.014	13.01
MH061026-017-0016	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	25	106.80	10.680	10.68
MH061026-017-0017	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	25	158.42	15.842	15.84
MH061026-017-0018	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	25	112.12	11.212	11.21
MH061026-027-0016	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	25	106.99	10.699	10.70
MH061026-027-0017	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	25	83.49	8.349	8.35
MH061026-027-0018	IL1 OSWP1 Trt 17108	19-Sep-07	15	1.5	25	103.90	10.390	10.39
MH061026-037-0016	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	25	102.71	10.271	10.27
MH061026-037-0017	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	25	75.33	7.533	7.53
MH061026-037-0018	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	25	103.78	10.378	10.38
MH061026-047-0016	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	25	100.92	10.092	10.09
MH061026-047-0017	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	25	106.85	10.685	10.68
MH061026-047-0018	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	25	103.57	10.357	10.36
							Mean =	11.2
							Std dev. =	2.27
MH061026-007-0019	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	1	0.00	0.000	ND[b]
MH061026-007-0020	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-007-0021	IA1 OSWP1 Trt 17109	17-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-017-0019	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	1	0.00	0.000	ND

Appendix C Table 7. (Cont.) Expression Levels of Cry1F in OSWP-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-017-0020	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-017-0021	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-027-0019	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-027-0020	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-027-0021	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-037-0019	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-037-0020	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	1	0.11	0.011	ND
MH061026-037-0021	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-047-0019	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-047-0020	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-047-0021	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	1	0.00	0.000	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix C Table 8. Expression Levels of Cry1F in OSWP-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-008-0004	IA1 OSWP2 Trt 17103	9-Aug-07	15	1.5	50	46.55	4.655	4.65
MH061026-008-0005	IA1 OSWP2 Trt 17103	9-Aug-07	15	1.5	50	86.03	8.603	8.60
MH061026-008-0006	IA1 OSWP2 Trt 17103	9-Aug-07	15	1.5	50	82.16	8.216	8.22
MH061026-018-0004	IA2 OSWP2 Trt 17103	10-Aug-07	15	1.5	25	105.09	10.509	10.51
MH061026-018-0005	IA2 OSWP2 Trt 17103	10-Aug-07	15	1.5	25	104.17	10.417	10.42
MH061026-018-0006	IA2 OSWP2 Trt 17103	10-Aug-07	15	1.5	25	105.98	10.598	10.60
MH061026-028-0004	IL1 OSWP2 Trt 17103	19-Sep-07	15	1.5	25	83.26	8.326	8.33
MH061026-028-0005	IL1 OSWP2 Trt 17103	19-Sep-07	15	1.5	25	67.83	6.783	6.78
MH061026-028-0006	IL1 OSWP2 Trt 17103	19-Sep-07	15	1.5	25	50.39	5.039	5.04
MH061026-038-0004	IL2 OSWP2 Trt 17103	15-Aug-07	15	1.5	25	80.86	8.086	8.09
MH061026-038-0005	IL2 OSWP2 Trt 17103	15-Aug-07	15	1.5	25	67.04	6.704	6.70
MH061026-038-0006	IL2 OSWP2 Trt 17103	15-Aug-07	15	1.5	25	77.51	7.751	7.75
MH061026-048-0004	NE OSWP2 Trt 17103	10-Sep-07	15	1.5	25	68.91	6.891	6.89
MH061026-048-0005	NE OSWP2 Trt 17103	10-Sep-07	15	1.5	25	60.76	6.076	6.08
MH061026-048-0006	NE OSWP2 Trt 17103	10-Sep-07	15	1.5	25	67.44	6.744	6.74
							Mean =	7.69
							Std dev. =	1.85
MH061026-008-0016	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	50	85.54	8.554	8.55
MH061026-008-0017	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	50	95.35	9.535	9.54
MH061026-008-0018	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	50	91.19	9.119	9.12
MH061026-018-0016	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	25	117.57	11.757	11.76
MH061026-018-0017	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	25	121.75	12.175	12.17
MH061026-018-0018	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	25	119.46	11.946	11.95
MH061026-028-0016	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	25	72.41	7.241	7.24
MH061026-028-0017	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	25	80.50	8.050	8.05
MH061026-028-0018	IL1 OSWP2 Trt 17108	19-Sep-07	15	1.5	25	77.35	7.735	7.74
MH061026-038-0016	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	25	95.79	9.579	9.58
MH061026-038-0017	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	25	79.94	7.994	7.99
MH061026-038-0018	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	25	88.39	8.839	8.84
MH061026-048-0016	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	25	76.26	7.626	7.63
MH061026-048-0017	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	25	62.86	6.286	6.29
MH061026-048-0018	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	25	85.94	8.594	8.59
							Mean =	9.00
							Std dev. =	1.76
MH061026-008-0019	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	1	0.07	0.007	ND[b]
MH061026-008-0020	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-008-0021	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	1	0.04	0.004	ND

Appendix C Table 8. (Cont.) Expression Levels of Cry1F in OSWP-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-018-0019	IA2 OSWP2 Trt 17109	19-Sep-07	15	1.5	25&100[c]	119.45	11.945	11.55[d]
		24-Sep-07	15	1.5	50	111.61	11.161	
MH061026-018-0020	IA2 OSWP2 Trt 17109	10-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-018-0021	IA2 OSWP2 Trt 17109	NA[e]	NA	NA	NA	NA	NA	NA
MH061026-028-0019	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-028-0020	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-028-0021	IL1 OSWP2 Trt 17109	19-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-038-0019	IL2 OSWP2 Trt 17109	15-Aug-07	15	1.5	1	0.08	0.008	ND
MH061026-038-0020	IL2 OSWP2 Trt 17109	15-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-038-0021	IL2 OSWP2 Trt 17109	15-Aug-07	15	1.5	1	0.09	0.009	ND
MH061026-048-0019	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-048-0020	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-048-0021	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	1	0.00	0.000	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] Average of multiple dilutions of the same sample extract.

[d] Average of multiple analyses (multiple weighings of sample).

[e] Not enough sample available for analysis.

Appendix C Table 9. Expression Levels of Cry1F in OSWP-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-009-0004	IA1 OSWP3 Trt 17103	11-Sep-07	15	1.5	25	67.20	6.720	6.72
MH061026-009-0005	IA1 OSWP3 Trt 17103	11-Sep-07	15	1.5	25	67.94	6.794	6.79
MH061026-009-0006	IA1 OSWP3 Trt 17103	11-Sep-07	15	1.5	25	42.11	4.211	4.21
MH061026-019-0004	IA2 OSWP3 Trt 17103	12-Sep-07	15	1.5	25	33.18	3.318	3.32
MH061026-019-0005	IA2 OSWP3 Trt 17103	12-Sep-07	15	1.5	25	47.73	4.773	4.77
MH061026-019-0006	IA2 OSWP3 Trt 17103	12-Sep-07	15	1.5	25	51.75	5.175	5.18
MH061026-029-0004	IL1 OSWP3 Trt 17103	13-Sep-07	15	1.5	25	30.46	3.046	3.05
MH061026-029-0005	IL1 OSWP3 Trt 17103	13-Sep-07	15	1.5	25	36.22	3.622	3.62
MH061026-029-0006	IL1 OSWP3 Trt 17103	13-Sep-07	15	1.5	25	43.24	4.324	4.32
MH061026-039-0004	IL2 OSWP3 Trt 17103	17-Sep-07	15	1.5	25	38.68	3.868	3.87
MH061026-039-0005	IL2 OSWP3 Trt 17103	17-Sep-07	15	1.5	25	39.01	3.901	3.90
MH061026-039-0006	IL2 OSWP3 Trt 17103	17-Sep-07	15	1.5	25	29.20	2.920	2.92
MH061026-049-0004	NE OSWP3 Trt 17103	17-Sep-07	15	1.5	25	32.08	3.208	3.21
MH061026-049-0005	NE OSWP3 Trt 17103	17-Sep-07	15	1.5	25	27.13	2.713	2.71
MH061026-049-0006	NE OSWP3 Trt 17103	17-Sep-07	15	1.5	25	29.13	2.913	2.91
							Mean =	4.10
							Std dev. =	1.29
MH061026-009-0016	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	25	64.21	6.421	6.42
MH061026-009-0017	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	25	37.50	3.750	3.75
MH061026-009-0018	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	25	80.15	8.015	8.02
MH061026-019-0016	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	25	60.36	6.036	6.04
MH061026-019-0017	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	25	60.60	6.060	6.06
MH061026-019-0018	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	25	56.14	5.614	5.61
MH061026-029-0016	IL1 OSWP3 Trt 17108	13-Sep-07	15	1.5	25	48.52	4.852	4.85
MH061026-029-0017	IL1 OSWP3 Trt 17108	13-Sep-07	15	1.5	25	27.74	2.774	2.77
MH061026-029-0018	IL1 OSWP3 Trt 17108	13-Sep-07	15	1.5	25	46.21	4.621	4.62
MH061026-039-0016	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	25	46.99	4.699	4.70
MH061026-039-0017	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	25	43.45	4.345	4.34
MH061026-039-0018	IL2 OSWP3 Trt 17108	17-Sep-07	15	1.5	25	43.66	4.366	4.37
MH061026-049-0016	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	25	45.45	4.545	4.54
MH061026-049-0017	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	25	41.75	4.175	4.17
MH061026-049-0018	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	25	34.11	3.411	3.41
							Mean =	4.91
							Std dev. =	1.33
MH061026-009-0019	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	1	0.00	0.000	ND[b]
MH061026-009-0020	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-009-0021	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-019-0019	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	1	0.00	0.000	ND

Appendix C Table 9. (Cont.) Expression Levels of Cry1F in OSWP-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-019-0020	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	1	0.01	0.001	ND
MH061026-019-0021	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-029-0019	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-029-0020	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-029-0021	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	1	0.00	0.000	ND
MH061026-039-0019	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	1	0.02	0.002	ND
MH061026-039-0020	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	1	0.03	0.003	ND
MH061026-039-0021	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	1	0.09	0.009	ND
MH061026-049-0019	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	1	0.20	0.020	ND
MH061026-049-0020	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	1	0.06	0.006	ND
MH061026-049-0021	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	1	0.06	0.006	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix C Table 10. Expression Levels of Cry1F in Pollen Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
061026-010-0019	IA1 Pollen Trt 17103	24-Apr-07	15	1.5	50	228.77	22.88	22.88
061026-010-0020	IA1 Pollen Trt 17103	24-Apr-07	15	1.5	50	208.28	20.83	20.83
061026-010-0021	IA1 Pollen Trt 17103	24-Apr-07	15	1.5	50	228.09	22.81	22.81
061026-021-0019	IA2 Pollen Trt 17103	24-Apr-07	15	1.5	50	218.10	21.81	21.81
061026-021-0020	IA2 Pollen Trt 17103	24-Apr-07	15	1.5	50	230.99	23.10	23.10
061026-021-0021	IA2 Pollen Trt 17103	24-Apr-07	15	1.5	50	230.51	23.05	23.05
061026-032-0019	IL1 Pollen Trt 17103	26-Apr-07	15	1.5	50	152.41	15.24	15.24
061026-032-0020	IL1 Pollen Trt 17103	26-Apr-07	15	1.5	50	166.37	16.64	16.64
061026-032-0021	IL1 Pollen Trt 17103	26-Apr-07	15	1.5	50	145.05	14.50	14.50
061026-043-0019	IL2 Pollen Trt 17103	26-Apr-07	15	1.5	50	209.77	20.98	20.98
061026-043-0020	IL2 Pollen Trt 17103	26-Apr-07	15	1.5	50	183.62	18.36	18.36
061026-043-0021	IL2 Pollen Trt 17103	26-Apr-07	15	1.5	50	220.52	22.05	22.05
061026-054-0019	NE Pollen Trt 17103	30-Apr-07	15	1.5	50	227.25	22.73	22.73
061026-054-0020	NE Pollen Trt 17103	30-Apr-07	15	1.5	50	215.10	21.51	21.51
061026-054-0021	NE Pollen Trt 17103	30-Apr-07	15	1.5	50	177.24	17.72	17.72
							Mean =	20.3
							Std dev. =	2.99
061026-010-0034	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	50	321.67	32.17	32.17
061026-010-0035	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	50	223.36	22.34	22.34
061026-010-0036	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	50	270.17	27.02	27.02
061026-021-0034	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	50	223.48	22.35	22.35
061026-021-0035	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	50	259.13	25.91	25.91
061026-021-0036	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	50	262.24	26.22	26.22
061026-032-0034	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	50	176.64	17.66	17.66
061026-032-0035	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	50	143.45	14.35	14.35
061026-032-0036	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	50	161.72	16.17	16.17
061026-043-0034	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	50	222.84	22.28	22.28
061026-043-0035	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	50	203.84	20.38	20.38
061026-043-0036	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	50	221.53	22.15	22.15
061026-054-0034	NE Pollen Trt 17108	30-Apr-07	15	1.5	50	205.99	20.60	20.60
061026-054-0035	NE Pollen Trt 17108	30-Apr-07	15	1.5	50	223.04	22.30	22.30
061026-054-0036	NE Pollen Trt 17108	30-Apr-07	15	1.5	50	192.87	19.29	19.29
							Mean =	22.1
							Std dev. =	4.51
061026-010-0037	IA1 Pollen Trt 17109	16-Feb-07	15	1.5	1	0.00	0.000	ND[b]
061026-010-0038	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.13	0.013	ND
061026-010-0039	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.19	0.019	ND
061026-021-0037	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.15	0.015	ND

Appendix C Table 10. (Cont.) Expression Levels of Cry1F in Pollen Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
061026-021-0038	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.42	0.042	(0.042)[c]
061026-021-0039	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.22	0.022	ND
061026-032-0037	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.15	0.015	ND
061026-032-0038	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.54	0.054	(0.054)
061026-032-0039	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.16	0.016	ND
061026-043-0037	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.06	0.006	ND
061026-043-0038	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.03	0.003	ND
061026-043-0039	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.07	0.007	ND
061026-054-0037	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.10	0.010	ND
061026-054-0038	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.03	0.003	ND
061026-054-0039	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.04	0.004	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] Values in parentheses are below the method LOQ but higher than the method LOD.

Appendix C Table 11. Expression Levels of Cry1F in Grain Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-010-0004	IA1 Grain Trt 17103	19-Jul-07	15	1.5	10	28.08	2.808	2.81
MH061026-010-0005	IA1 Grain Trt 17103	19-Jul-07	15	1.5	10	35.90	3.590	3.59
MH061026-010-0006	IA1 Grain Trt 17103	19-Jul-07	15	1.5	10	26.11	2.611	2.61
MH061026-020-0004	IA2 Grain Trt 17103	30-Jul-07	15	1.5	10	27.21	2.721	2.72
MH061026-020-0005	IA2 Grain Trt 17103	30-Jul-07	15	1.5	10	26.83	2.683	2.68
MH061026-020-0006	IA2 Grain Trt 17103	30-Jul-07	15	1.5	10	30.80	3.080	3.08
MH061026-030-0004	IL1 Grain Trt 17103	1-Aug-07	15	1.5	10	34.60	3.460	3.46
MH061026-030-0005	IL1 Grain Trt 17103	1-Aug-07	15	1.5	10	29.31	2.931	2.93
MH061026-030-0006	IL1 Grain Trt 17103	1-Aug-07	15	1.5	10	27.75	2.775	2.77
MH061026-040-0004	IL2 Grain Trt 17103	2-Aug-07	15	1.5	10	39.42	3.942	3.94
MH061026-040-0005	IL2 Grain Trt 17103	2-Aug-07	15	1.5	10	45.78	4.578	4.58
MH061026-040-0006	IL2 Grain Trt 17103	2-Aug-07	15	1.5	10	39.98	3.998	4.00
MH061026-050-0004	NE Grain Trt 17103	3-Aug-07	15	1.5	10	24.25	2.425	2.43
MH061026-050-0005	NE Grain Trt 17103	3-Aug-07	15	1.5	10	26.71	2.671	2.67
MH061026-050-0006	NE Grain Trt 17103	3-Aug-07	15	1.5	10	29.48	2.948	2.95
							Mean =	3.15
							Std dev. =	0.63
MH061026-010-0016	IA1 Grain Trt 17108	19-Jul-07	15	1.5	10	21.16	2.116	2.12
MH061026-010-0017	IA1 Grain Trt 17108	19-Jul-07	15	1.5	10	26.97	2.697	2.70
MH061026-010-0018	IA1 Grain Trt 17108	19-Jul-07	15	1.5	10	30.40	3.040	3.04
MH061026-020-0016	IA2 Grain Trt 17108	30-Jul-07	15	1.5	10	29.82	2.982	2.98
MH061026-020-0017	IA2 Grain Trt 17108	30-Jul-07	15	1.5	10	24.88	2.488	2.49
MH061026-020-0018	IA2 Grain Trt 17108	30-Jul-07	15	1.5	10	29.48	2.948	2.95
MH061026-030-0016	IL1 Grain Trt 17108	1-Aug-07	15	1.5	10	34.18	3.418	3.42
MH061026-030-0017	IL1 Grain Trt 17108	1-Aug-07	15	1.5	10	34.11	3.411	3.41
MH061026-030-0018	IL1 Grain Trt 17108	1-Aug-07	15	1.5	10	33.15	3.315	3.32
MH061026-040-0016	IL2 Grain Trt 17108	6-Aug-07	15	1.5	10	74.25	7.425	7.43
MH061026-040-0017	IL2 Grain Trt 17108	2-Aug-07	15	1.5	10	39.06	3.906	3.91
MH061026-040-0018	IL2 Grain Trt 17108	2-Aug-07	15	1.5	10	38.58	3.858	3.86
MH061026-050-0016	NE Grain Trt 17108	3-Aug-07	15	1.5	10	27.81	2.781	2.78
MH061026-050-0017	NE Grain Trt 17108	3-Aug-07	15	1.5	10	27.15	2.715	2.72
MH061026-050-0018	NE Grain Trt 17108	3-Aug-07	15	1.5	10	29.63	2.963	2.96
							Mean =	3.34
							Std dev. =	1.23
MH061026-010-0019	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.16	0.016	ND[b]
MH061026-010-0020	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.21	0.021	ND
MH061026-010-0021	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.21	0.021	ND

Appendix C Table 11. (Cont.) Expression Levels of Cry1F in Grain Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	Cry1F Reported Results (ng/mL)	Cry1F Results (ng/mg)[a]	Reported Cry1F Results (ng/mg)
MH061026-020-0019	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.14	0.014	ND
MH061026-020-0020	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.13	0.013	ND
MH061026-020-0021	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.17	0.017	ND
MH061026-030-0019	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-030-0020	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-030-0021	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.00	0.000	ND
MH061026-040-0019	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.11	0.011	ND
MH061026-040-0020	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.13	0.013	ND
MH061026-040-0021	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.21	0.021	ND
MH061026-050-0019	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.13	0.013	ND
MH061026-050-0020	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.14	0.014	ND
MH061026-050-0021	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.12	0.012	ND

[a] Results (ng/mg) Cry1F = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix D—PAT Expression Data from Individual Samples

Appendix D Table 1. Expression Levels of PAT in OSL-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-001-0001	IA1 OSL1 Trt 17101	7-Aug-07	15	1.5	50	205.86	20.586	20.59
MH061026-001-0002	IA1 OSL1 Trt 17101	7-Aug-07	15	1.5	50	217.35	21.735	21.73
MH061026-001-0003	IA1 OSL1 Trt 17101	7-Aug-07	15	1.5	50	228.90	22.890	22.89
MH061026-011-0001	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	50	125.96	12.596	12.60
MH061026-011-0002	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	50	128.11	12.811	12.81
MH061026-011-0003	IA2 OSL1 Trt 17101	26-Jun-07	15	1.5	50	121.36	12.136	12.14
MH061026-021-0001	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	50	152.67	15.267	15.27
MH061026-021-0002	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	50	114.38	11.438	11.44
MH061026-021-0003	IL1 OSL1 Trt 17101	3-Jul-07	15	1.5	50	120.24	12.024	12.02
MH061026-031-0001	IL2 OSL1 Trt 17101	12-Jul-07	15	1.5	50	191.54	19.154	19.15
MH061026-031-0002	IL2 OSL1 Trt 17101	12-Jul-07	15	1.5	50	179.13	17.913	17.91
MH061026-031-0003	IL2 OSL1 Trt 17101	12-Jul-07	15	1.5	50	211.58	21.158	21.16
MH061026-041-0001	NE OSL1 Trt 17101	13-Jul-07	15	1.5	50	158.45	15.845	15.85
MH061026-041-0002	NE OSL1 Trt 17101	13-Jul-07	15	1.5	50	183.54	18.354	18.35
MH061026-041-0003	NE OSL1 Trt 17101	13-Jul-07	15	1.5	50	190.69	19.069	19.07
							Mean =	16.9
							Std dev. =	3.96
MH061026-001-0004	IA1 OSL1 Trt 17103	18-Jun-07	15	1.5	25	78.13	7.813	7.81
MH061026-001-0005	IA1 OSL1 Trt 17103	18-Jun-07	15	1.5	25	76.13	7.613	7.61
MH061026-001-0006	IA1 OSL1 Trt 17103	18-Jun-07	15	1.5	25	73.90	7.390	7.39
MH061026-011-0004	IA2 OSL1 Trt 17103	26-Jun-07	15	1.5	50	56.09	5.609	5.61
MH061026-011-0005	IA2 OSL1 Trt 17103	26-Jun-07	15	1.5	50	65.38	6.538	6.54
MH061026-011-0006	IA2 OSL1 Trt 17103	26-Jun-07	15	1.5	50	70.32	7.032	7.03
MH061026-021-0004	IL1 OSL1 Trt 17103	3-Jul-07	15	1.5	50	53.67	5.367	5.37
MH061026-021-0005	IL1 OSL1 Trt 17103	3-Jul-07	15	1.5	50	47.01	4.701	4.70
MH061026-021-0006	IL1 OSL1 Trt 17103	3-Jul-07	15	1.5	50	53.13	5.313	5.31
MH061026-031-0004	IL2 OSL1 Trt 17103	12-Jul-07	15	1.5	50	78.31	7.831	7.83
MH061026-031-0005	IL2 OSL1 Trt 17103	12-Jul-07	15	1.5	50	86.03	8.603	8.60
MH061026-031-0006	IL2 OSL1 Trt 17103	12-Jul-07	15	1.5	50	99.38	9.938	9.94
MH061026-041-0004	NE OSL1 Trt 17103	13-Jul-07	15	1.5	50	72.59	7.259	7.26
MH061026-041-0005	NE OSL1 Trt 17103	13-Jul-07	15	1.5	50	64.29	6.429	6.43
MH061026-041-0006	NE OSL1 Trt 17103	13-Jul-07	15	1.5	50	66.47	6.647	6.65
							Mean =	6.94
							Std dev. =	1.38
MH061026-001-0016	IA1 OSL1 Trt 17108	14-Aug-07	15	1.5	100[b]	336.80	33.680	33.73[c]
		14-Aug-07	15	1.5	100[b]	337.70	33.770	
MH061026-001-0017	IA1 OSL1 Trt 17108	14-Aug-07	15	1.5	100[b]	346.16	34.616	34.95[c]
		14-Aug-07	15	1.5	100[b]	352.79	35.279	

Appendix D Table 1. (Cont.) Expression Levels of PAT in OSL-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-001-0018	IA1 OSL1 Trt 17108	14-Aug-07	15	1.5	50[d]	306.15	30.615	30.44[c]
		14-Aug-07	15	1.5	50[d]	302.65	30.265	
MH061026-011-0016	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	50	207.18	20.718	20.72
MH061026-011-0017	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	50	189.58	18.958	18.96
MH061026-011-0018	IA2 OSL1 Trt 17108	26-Jun-07	15	1.5	50	252.55	25.255	25.25
MH061026-021-0016	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	50	181.43	18.143	18.14
MH061026-021-0017	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	50	194.69	19.469	19.47
MH061026-021-0018	IL1 OSL1 Trt 17108	3-Jul-07	15	1.5	50	194.19	19.419	19.42
MH061026-031-0016	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	50	231.78	23.178	23.18
MH061026-031-0017	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	50	281.02	28.102	28.10
MH061026-031-0018	IL2 OSL1 Trt 17108	12-Jul-07	15	1.5	50	285.30	28.530	28.53
MH061026-041-0016	NE OSL1 Trt 17108	13-Jul-07	15	1.5	50	239.89	23.989	23.99
MH061026-041-0017	NE OSL1 Trt 17108	13-Jul-07	15	1.5	50	248.20	24.820	24.82
MH061026-041-0018	NE OSL1 Trt 17108	13-Jul-07	15	1.5	50	256.70	25.670	25.67
							Mean =	25.0
							Std dev. =	5.31
MH061026-001-0019	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	1	0.02	0.002	ND[e]
MH061026-001-0020	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	1	0.03	0.003	ND
MH061026-001-0021	IA1 OSL1 Trt 17109	18-Jun-07	15	1.5	1	0.02	0.002	ND
MH061026-011-0019	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.10	0.010	ND
MH061026-011-0020	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.04	0.004	ND
MH061026-011-0021	IA2 OSL1 Trt 17109	26-Jun-07	15	1.5	1	0.04	0.004	ND
MH061026-021-0019	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-021-0020	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-021-0021	IL1 OSL1 Trt 17109	3-Jul-07	15	1.5	1	0.07	0.007	ND
MH061026-031-0019	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-031-0020	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.02	0.002	ND
MH061026-031-0021	IL2 OSL1 Trt 17109	12-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-041-0019	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-041-0020	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.02	0.002	ND
MH061026-041-0021	NE OSL1 Trt 17109	13-Jul-07	15	1.5	1	0.01	0.001	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple dilutions (100, 200 & 400X) of the same sample extract.

[c] Average of multiple analyses (multiple weighings of sample).

[d] Average of multiple dilutions (50, 100, 200 & 400X) of the same sample extract.

[e] ND = Not detected at the method LOD.

Appendix D Table 2. Expression Levels of PAT in OSL-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-002-0001	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	50	131.88	13.188	13.19
MH061026-002-0002	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	50	130.14	13.014	13.01
MH061026-002-0003	IA1 OSL2 Trt 17101	27-Jun-07	15	1.5	50	147.55	14.755	14.75
MH061026-012-0001	IA2 OSL2 Trt 17101	29-Jun-07	15	1.5	50	142.85	14.285	14.29
MH061026-012-0002	IA2 OSL2 Trt 17101	29-Jun-07	15	1.5	50	125.30	12.530	12.53
MH061026-012-0003	IA2 OSL2 Trt 17101	13-Aug-07	15	1.5	1	0.03	0.003	ND[b]
MH061026-022-0001	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	50	94.56	9.456	9.46
MH061026-022-0002	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	50	94.33	9.433	9.43
MH061026-022-0003	IL1 OSL2 Trt 17101	17-Jul-07	15	1.5	50	105.32	10.532	10.53
MH061026-032-0001	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	50	178.86	17.886	17.89
MH061026-032-0002	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	50	173.62	17.362	17.36
MH061026-032-0003	IL2 OSL2 Trt 17101	18-Jul-07	15	1.5	50	161.90	16.190	16.19
MH061026-042-0001	NE OSL2 Trt 17101	20-Jul-07	15	1.5	50	178.13	17.813	17.81
MH061026-042-0002	NE OSL2 Trt 17101	20-Jul-07	15	1.5	50	195.57	19.557	19.56
MH061026-042-0003	NE OSL2 Trt 17101	20-Jul-07	15	1.5	50	177.86	17.786	17.79
							Mean =	14.6
							Std dev. =	3.34
MH061026-002-0004	IA1 OSL2 Trt 17103	27-Jun-07	15	1.5	50	70.62	7.062	7.06
MH061026-002-0005	IA1 OSL2 Trt 17103	27-Jun-07	15	1.5	50	66.64	6.664	6.66
MH061026-002-0006	IA1 OSL2 Trt 17103	27-Jun-07	15	1.5	50	63.94	6.394	6.39
MH061026-012-0004	IA2 OSL2 Trt 17103	29-Jun-07	15	1.5	50	72.27	7.227	7.23
MH061026-012-0005	IA2 OSL2 Trt 17103	29-Jun-07	15	1.5	50	84.55	8.455	8.45
MH061026-012-0006	IA2 OSL2 Trt 17103	29-Jun-07	15	1.5	50	71.33	7.133	7.13
MH061026-022-0004	IL1 OSL2 Trt 17103	17-Jul-07	15	1.5	50	48.95	4.895	4.89
MH061026-022-0005	IL1 OSL2 Trt 17103	17-Jul-07	15	1.5	50	48.12	4.812	4.81
MH061026-022-0006	IL1 OSL2 Trt 17103	17-Jul-07	15	1.5	50	49.56	4.956	4.96
MH061026-032-0004	IL2 OSL2 Trt 17103	18-Jul-07	15	1.5	50	77.79	7.779	7.78
MH061026-032-0005	IL2 OSL2 Trt 17103	18-Jul-07	15	1.5	50	63.29	6.329	6.33
MH061026-032-0006	IL2 OSL2 Trt 17103	18-Jul-07	15	1.5	50	56.08	5.608	5.61
MH061026-042-0004	NE OSL2 Trt 17103	20-Jul-07	15	1.5	50	124.37	12.437	12.44
MH061026-042-0005	NE OSL2 Trt 17103	20-Jul-07	15	1.5	50	103.02	10.302	10.30
MH061026-042-0006	NE OSL2 Trt 17103	20-Jul-07	15	1.5	50	111.86	11.186	11.19
							Mean =	7.42
							Std dev. =	2.31
MH061026-002-0016	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	50	202.72	20.272	20.27
MH061026-002-0017	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	50	241.68	24.168	24.17
MH061026-002-0018	IA1 OSL2 Trt 17108	27-Jun-07	15	1.5	50	238.99	23.899	23.90
MH061026-012-0016	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	50	220.04	22.004	22.00
MH061026-012-0017	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	50	204.12	20.412	20.41
MH061026-012-0018	IA2 OSL2 Trt 17108	29-Jun-07	15	1.5	50	200.84	20.084	20.08

Appendix D Table 2. (Cont.) Expression Levels of PAT in OSL-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-022-0016	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	50	154.65	15.465	15.47
MH061026-022-0017	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	50	145.56	14.556	14.56
MH061026-022-0018	IL1 OSL2 Trt 17108	17-Jul-07	15	1.5	50	166.12	16.612	16.61
MH061026-032-0016	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	50	214.81	21.481	21.48
MH061026-032-0017	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	50	238.04	23.804	23.80
MH061026-032-0018	IL2 OSL2 Trt 17108	18-Jul-07	15	1.5	50	227.02	22.702	22.70
MH061026-042-0016	NE OSL2 Trt 17108	6-Aug-07	15	1.5	200	255.63	25.563	25.56
MH061026-042-0017	NE OSL2 Trt 17108	6-Aug-07	15	1.5	200	263.65	26.365	26.37
MH061026-042-0018	NE OSL2 Trt 17108	6-Aug-07	15	1.5	200	244.74	24.474	24.47
							Mean =	21.5
							Std dev. =	3.61
MH061026-002-0019	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.03	0.003	ND
MH061026-002-0020	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.03	0.003	ND
MH061026-002-0021	IA1 OSL2 Trt 17109	27-Jun-07	15	1.5	1	0.02	0.002	ND
MH061026-012-0019	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-012-0020	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-012-0021	IA2 OSL2 Trt 17109	29-Jun-07	15	1.5	1	0.00	0.000	ND
MH061026-022-0019	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-022-0020	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-022-0021	IL1 OSL2 Trt 17109	17-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-032-0019	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-032-0020	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.02	0.002	ND
MH061026-032-0021	IL2 OSL2 Trt 17109	18-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-042-0019	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.05	0.005	ND
MH061026-042-0020	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-042-0021	NE OSL2 Trt 17109	20-Jul-07	15	1.5	1	0.04	0.004	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD. Result for this sample not used in calculating the average, standard deviation or range.

Appendix D Table 3. Expression Levels of PAT in OSL-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-003-0001	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	50	224.00	22.400	22.40
MH061026-003-0002	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	50	243.20	24.320	24.32
MH061026-003-0003	IA1 OSL3 Trt 17101	19-Jul-07	15	1.5	50	233.60	23.360	23.36
MH061026-013-0001	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	100	182.64	18.264	18.26
MH061026-013-0002	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	100	175.60	17.560	17.56
MH061026-013-0003	IA2 OSL3 Trt 17101	31-Jul-07	15	1.5	100	202.04	20.204	20.20
MH061026-023-0001	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	50	132.14	13.214	13.21
MH061026-023-0002	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	50	155.17	15.517	15.52
MH061026-023-0003	IL1 OSL3 Trt 17101	26-Jul-07	15	1.5	50	134.27	13.427	13.43
MH061026-033-0001	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	50	205.93	20.593	20.59
MH061026-033-0002	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	50	220.49	22.049	22.05
MH061026-033-0003	IL2 OSL3 Trt 17101	3-Aug-07	15	1.5	50	208.63	20.863	20.86
MH061026-043-0001	NE OSL3 Trt 17101	2-Aug-07	15	1.5	50	194.61	19.461	19.46
MH061026-043-0002	NE OSL3 Trt 17101	2-Aug-07	15	1.5	50	218.43	21.843	21.84
MH061026-043-0003	NE OSL3 Trt 17101	2-Aug-07	15	1.5	50	199.89	19.989	19.99
							Mean =	19.5
							Std dev. =	3.38
MH061026-003-0004	IA1 OSL3 Trt 17103	19-Jul-07	15	1.5	50	59.02	5.902	5.90
MH061026-003-0005	IA1 OSL3 Trt 17103	19-Jul-07	15	1.5	50	79.56	7.956	7.96
MH061026-003-0006	IA1 OSL3 Trt 17103	19-Jul-07	15	1.5	50	74.16	7.416	7.42
MH061026-013-0004	IA2 OSL3 Trt 17103	31-Jul-07	15	1.5	100	67.84	6.784	6.78
MH061026-013-0005	IA2 OSL3 Trt 17103	31-Jul-07	15	1.5	100	75.47	7.547	7.55
MH061026-013-0006	IA2 OSL3 Trt 17103	31-Jul-07	15	1.5	100	76.07	7.607	7.61
MH061026-023-0004	IL1 OSL3 Trt 17103	26-Jul-07	15	1.5	50	51.50	5.150	5.15
MH061026-023-0005	IL1 OSL3 Trt 17103	26-Jul-07	15	1.5	50	53.53	5.353	5.35
MH061026-023-0006	IL1 OSL3 Trt 17103	26-Jul-07	15	1.5	50	60.03	6.003	6.00
MH061026-033-0004	IL2 OSL3 Trt 17103	3-Aug-07	15	1.5	50	122.68	12.268	12.27
MH061026-033-0005	IL2 OSL3 Trt 17103	3-Aug-07	15	1.5	50	120.77	12.077	12.08
MH061026-033-0006	IL2 OSL3 Trt 17103	3-Aug-07	15	1.5	50	103.69	10.369	10.37
MH061026-043-0004	NE OSL3 Trt 17103	2-Aug-07	15	1.5	50	82.20	8.220	8.22
MH061026-043-0005	NE OSL3 Trt 17103	2-Aug-07	15	1.5	50	73.11	7.311	7.31
MH061026-043-0006	NE OSL3 Trt 17103	2-Aug-07	15	1.5	50	89.03	8.903	8.90
							Mean =	7.92
							Std dev. =	2.19
MH061026-003-0016	IA1 OSL3 Trt 17108	6-Aug-07	15	1.5	200	278.90	27.890	27.89
MH061026-003-0017	IA1 OSL3 Trt 17108	6-Aug-07	15	1.5	200	246.96	24.696	24.70
MH061026-003-0018	IA1 OSL3 Trt 17108	6-Aug-07	15	1.5	200	233.04	23.304	23.30
MH061026-013-0016	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	100	266.12	26.612	26.61
MH061026-013-0017	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	100	300.17	30.017	30.02

Appendix D Table 3. (Cont.) Expression Levels of PAT in OSL-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-013-0018	IA2 OSL3 Trt 17108	31-Jul-07	15	1.5	100	319.21	31.921	31.92
MH061026-023-0016	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	50	169.91	16.991	16.99
MH061026-023-0017	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	50	219.86	21.986	21.99
MH061026-023-0018	IL1 OSL3 Trt 17108	26-Jul-07	15	1.5	50	198.77	19.877	19.88
MH061026-033-0016	IL2 OSL3 Trt 17108	6-Aug-07	15	1.5	200	268.82	26.882	26.88
MH061026-033-0017	IL2 OSL3 Trt 17108	6-Aug-07	15	1.5	200	265.01	26.501	26.50
MH061026-033-0018	IL2 OSL3 Trt 17108	6-Aug-07	15	1.5	200	250.96	25.096	25.10
MH061026-043-0016	NE OSL3 Trt 17108	6-Aug-07	15	1.5	200	323.64	32.364	32.36
MH061026-043-0017	NE OSL3 Trt 17108	6-Aug-07	15	1.5	200	300.13	30.013	30.01
MH061026-043-0018	NE OSL3 Trt 17108	6-Aug-07	15	1.5	200	299.45	29.945	29.95
							Mean =	26.3
							Std dev. =	4.41
MH061026-003-0019	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	1	0.05	0.005	ND[b]
MH061026-003-0020	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-003-0021	IA1 OSL3 Trt 17109	19-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-013-0019	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-013-0020	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-013-0021	IA2 OSL3 Trt 17109	31-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-023-0019	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-023-0020	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-023-0021	IL1 OSL3 Trt 17109	26-Jul-07	15	1.5	1	0.01	0.001	ND
MH061026-033-0019	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-033-0020	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-033-0021	IL2 OSL3 Trt 17109	3-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-043-0019	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.04	0.004	ND
MH061026-043-0020	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-043-0021	NE OSL3 Trt 17109	2-Aug-07	15	1.5	1	0.02	0.002	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix D Table 4. Expression Levels of PAT in OSR-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-004-0001	IA1 OSR1 Trt 17101	15-Aug-07	15	1.5	20	29.74	2.974	2.97
MH061026-004-0002	IA1 OSR1 Trt 17101	15-Aug-07	15	1.5	20	24.65	2.465	2.47
MH061026-004-0003	IA1 OSR1 Trt 17101	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0001	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	5	25.26	2.526	2.53
MH061026-014-0002	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	5	27.15	2.715	2.72
MH061026-014-0003	IA2 OSR1 Trt 17101	14-Aug-07	15	1.5	5	26.35	2.635	2.63
MH061026-024-0001	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	20	28.02	2.802	2.80
MH061026-024-0002	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	20	23.55	2.355	2.36
MH061026-024-0003	IL1 OSR1 Trt 17101	16-Aug-07	15	1.5	20	35.31	3.531	3.53
MH061026-034-0001	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	20	24.54	2.454	2.45
MH061026-034-0002	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	20	23.54	2.354	2.35
MH061026-034-0003	IL2 OSR1 Trt 17101	21-Aug-07	15	1.5	20	27.73	2.773	2.77
MH061026-044-0001	NE OSR1 Trt 17101	13-Sep-07	15	1.5	20	11.82	1.182	1.18
MH061026-044-0002	NE OSR1 Trt 17101	13-Sep-07	15	1.5	20	18.87	1.887	1.89
MH061026-044-0003	NE OSR1 Trt 17101	13-Sep-07	15	1.5	20	7.68	0.768	0.77
							Mean =	2.39
							Std dev. =	0.71
MH061026-004-0004	IA1 OSR1 Trt 17103	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0005	IA1 OSR1 Trt 17103	15-Aug-07	15	1.5	5	9.00	0.900	0.90
MH061026-004-0006	IA1 OSR1 Trt 17103	15-Aug-07	15	1.5	5	6.53	0.653	0.65
MH061026-014-0004	IA2 OSR1 Trt 17103	14-Aug-07	15	1.5	5	7.88	0.788	0.79
MH061026-014-0005	IA2 OSR1 Trt 17103	14-Aug-07	15	1.5	5	7.69	0.769	0.77
MH061026-014-0006	IA2 OSR1 Trt 17103	14-Aug-07	15	1.5	5	8.31	0.831	0.83
MH061026-024-0004	IL1 OSR1 Trt 17103	16-Aug-07	15	1.5	5	7.40	0.740	0.74
MH061026-024-0005	IL1 OSR1 Trt 17103	16-Aug-07	15	1.5	5	8.98	0.898	0.90
MH061026-024-0006	IL1 OSR1 Trt 17103	16-Aug-07	15	1.5	5	7.84	0.784	0.78
MH061026-034-0004	IL2 OSR1 Trt 17103	21-Aug-07	15	1.5	20	5.36	0.536	0.54
MH061026-034-0005	IL2 OSR1 Trt 17103	21-Aug-07	15	1.5	20	7.04	0.704	0.70
MH061026-034-0006	IL2 OSR1 Trt 17103	21-Aug-07	15	1.5	20	5.55	0.555	0.56
MH061026-044-0004	NE OSR1 Trt 17103	13-Sep-07	15	1.5	5	1.99	0.199	0.20
MH061026-044-0005	NE OSR1 Trt 17103	13-Sep-07	15	1.5	5	8.04	0.804	0.80
MH061026-044-0006	NE OSR1 Trt 17103	13-Sep-07	15	1.5	5	4.65	0.465	0.46
							Mean =	0.69
							Std dev. =	0.19
MH061026-004-0016	IA1 OSR1 Trt 17108	15-Aug-07	15	1.5	20	34.45	3.445	3.45
MH061026-004-0017	IA1 OSR1 Trt 17108	NA[b]	NA	NA	NA	NA	NA	NA

Appendix D Table 4. (Cont.) Expression Levels of PAT in OSR-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-004-0018	IA1 OSR1 Trt 17108	15-Aug-07	15	1.5	20	41.86	4.186	4.19
MH061026-014-0016	IA2 OSR1 Trt 17108	24-Sep-07	15	1.5	20	30.75	3.075	3.07
MH061026-014-0017	IA2 OSR1 Trt 17108	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-014-0018	IA2 OSR1 Trt 17108	24-Sep-07	15	1.5	20	40.07	4.007	4.01
MH061026-024-0016	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	20	43.64	4.364	4.36
MH061026-024-0017	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	20	41.59	4.159	4.16
MH061026-024-0018	IL1 OSR1 Trt 17108	16-Aug-07	15	1.5	20	73.43	7.343	7.34
MH061026-034-0016	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	20	31.67	3.167	3.17
MH061026-034-0017	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	20	32.40	3.240	3.24
MH061026-034-0018	IL2 OSR1 Trt 17108	21-Aug-07	15	1.5	20	36.86	3.686	3.69
MH061026-044-0016	NE OSR1 Trt 17108	13-Sep-07	15	1.5	20	23.87	2.387	2.39
MH061026-044-0017	NE OSR1 Trt 17108	13-Sep-07	15	1.5	20	27.47	2.747	2.75
MH061026-044-0018	NE OSR1 Trt 17108	13-Sep-07	15	1.5	20	28.64	2.864	2.86
							Mean =	3.74
							Std dev. =	1.24
MH061026-004-0019	IA1 OSR1 Trt 17109	15-Aug-07	15	1.5	1	0.03	0.003	ND[d]
MH061026-004-0020	IA1 OSR1 Trt 17109	NA[b]	NA	NA	NA	NA	NA	NA
MH061026-004-0021	IA1 OSR1 Trt 17109	15-Aug-07	10.7[c]	1.07	1	0.04	0.004	ND
MH061026-014-0019	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-014-0020	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-014-0021	IA2 OSR1 Trt 17109	14-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-024-0019	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.11	0.011	ND
MH061026-024-0020	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-024-0021	IL1 OSR1 Trt 17109	16-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-034-0019	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-034-0020	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-034-0021	IL2 OSR1 Trt 17109	21-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-044-0019	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.04	0.004	ND
MH061026-044-0020	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.05	0.005	ND
MH061026-044-0021	NE OSR1 Trt 17109	13-Sep-07	15	1.5	1	0.07	0.007	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Not enough sample available for analysis.

[c] For sample weights less than 15 mg, the exact weight was used in calculations.

[d] ND = Not detected at the method LOD.

Appendix D Table 5. Expression Levels of PAT in OSR-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-005-0001	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	20	29.03	2.903	2.90
MH061026-005-0002	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	20	20.86	2.086	2.09
MH061026-005-0003	IA1 OSR2 Trt 17101	22-Aug-07	15	1.5	20	24.12	2.412	2.41
MH061026-015-0001	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	20	32.40	3.240	3.24
MH061026-015-0002	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	20	31.98	3.198	3.20
MH061026-015-0003	IA2 OSR2 Trt 17101	23-Aug-07	15	1.5	20	47.74	4.774	4.77
MH061026-025-0001	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	20	25.25	2.525	2.53
MH061026-025-0002	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	20	40.65	4.065	4.06
MH061026-025-0003	IL1 OSR2 Trt 17101	27-Aug-07	15	1.5	20	27.31	2.731	2.73
MH061026-035-0001	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	20	20.46	2.046	2.05
MH061026-035-0002	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	20	15.20	1.520	1.52
MH061026-035-0003	IL2 OSR2 Trt 17101	29-Aug-07	15	1.5	20	10.23	1.023	1.02
MH061026-045-0001	NE OSR2 Trt 17101	28-Aug-07	15	1.5	20	24.20	2.420	2.42
MH061026-045-0002	NE OSR2 Trt 17101	28-Aug-07	15	1.5	20	27.41	2.741	2.74
MH061026-045-0003	NE OSR2 Trt 17101	28-Aug-07	15	1.5	20	26.76	2.676	2.68
							Mean =	2.69
							Std dev. =	0.92
MH061026-005-0004	IA1 OSR2 Trt 17103	22-Aug-07	15	1.5	5	5.27	0.527	0.53
MH061026-005-0005	IA1 OSR2 Trt 17103	22-Aug-07	15	1.5	5	9.98	0.998	1.00
MH061026-005-0006	IA1 OSR2 Trt 17103	22-Aug-07	15	1.5	5	4.27	0.427	0.43
MH061026-015-0004	IA2 OSR2 Trt 17103	23-Aug-07	15	1.5	5	10.51	1.051	1.05
MH061026-015-0005	IA2 OSR2 Trt 17103	23-Aug-07	15	1.5	5	11.28	1.128	1.13
MH061026-015-0006	IA2 OSR2 Trt 17103	23-Aug-07	15	1.5	5	9.43	0.943	0.94
MH061026-025-0004	IL1 OSR2 Trt 17103	27-Aug-07	15	1.5	5	9.28	0.928	0.93
MH061026-025-0005	IL1 OSR2 Trt 17103	27-Aug-07	15	1.5	5	10.97	1.097	1.10
MH061026-025-0006	IL1 OSR2 Trt 17103	27-Aug-07	15	1.5	5	10.01	1.001	1.00
MH061026-035-0004	IL2 OSR2 Trt 17103	29-Aug-07	15	1.5	5	4.98	0.498	0.50
MH061026-035-0005	IL2 OSR2 Trt 17103	29-Aug-07	15	1.5	5	6.44	0.644	0.64
MH061026-035-0006	IL2 OSR2 Trt 17103	29-Aug-07	15	1.5	5	4.80	0.480	0.48
MH061026-045-0004	NE OSR2 Trt 17103	28-Aug-07	15	1.5	5	4.00	0.400	0.40
MH061026-045-0005	NE OSR2 Trt 17103	28-Aug-07	15	1.5	5	11.67	1.167	1.17
MH061026-045-0006	NE OSR2 Trt 17103	28-Aug-07	15	1.5	5	6.38	0.638	0.64
							Mean =	0.80
							Std dev. =	0.28
MH061026-005-0016	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	20	37.43	3.743	3.74
MH061026-005-0017	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	20	38.32	3.832	3.83
MH061026-005-0018	IA1 OSR2 Trt 17108	22-Aug-07	15	1.5	20	42.49	4.249	4.25
MH061026-015-0016	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	20	60.53	6.053	6.05
MH061026-015-0017	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	20	33.84	3.384	3.38

Appendix D Table 5. (Cont.) Expression Levels of PAT in OSR-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-015-0018	IA2 OSR2 Trt 17108	23-Aug-07	15	1.5	20	28.39	2.839	2.84
MH061026-025-0016	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	20	50.84	5.084	5.08
MH061026-025-0017	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	20	40.45	4.045	4.05
MH061026-025-0018	IL1 OSR2 Trt 17108	27-Aug-07	15	1.5	20	45.18	4.518	4.52
MH061026-035-0016	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	20	17.96	1.796	1.80
MH061026-035-0017	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	20	73.90	7.390	5.93[b]
		24-Sep-07	15	1.5	20	44.64	4.464	
MH061026-035-0018	IL2 OSR2 Trt 17108	29-Aug-07	15	1.5	20	23.30	2.330	2.33
MH061026-045-0016	NE OSR2 Trt 17108	28-Aug-07	15	1.5	20	30.77	3.077	3.08
MH061026-045-0017	NE OSR2 Trt 17108	28-Aug-07	15	1.5	20	28.35	2.835	2.84
MH061026-045-0018	NE OSR2 Trt 17108	24-Sep-07	15	1.5	1	0.15	0.015	ND[c,d]
							Mean =	3.84
							Std dev. =	1.26
MH061026-005-0019	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.05	0.005	ND[c]
MH061026-005-0020	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-005-0021	IA1 OSR2 Trt 17109	22-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-015-0019	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-015-0020	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-015-0021	IA2 OSR2 Trt 17109	23-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-025-0019	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-025-0020	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-025-0021	IL1 OSR2 Trt 17109	27-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-045-0019	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-045-0020	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-045-0021	NE OSR2 Trt 17109	28-Aug-07	15	1.5	1	0.04	0.004	ND
MH061026-035-0019	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-035-0020	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.04	0.004	ND
MH061026-035-0021	IL2 OSR2 Trt 17109	29-Aug-07	15	1.5	1	0.04	0.004	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol.(mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

[d] Result for this sample not used in calculating the average, standard deviation or range.

Appendix D Table 6. Expression Levels of PAT in OSR-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-006-0001	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	5	10.26	1.026	1.03
MH061026-006-0002	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	5	9.02	0.902	0.90
MH061026-006-0003	IA1 OSR3 Trt 17101	5-Sep-07	15	1.5	5	8.15	0.815	0.81
MH061026-016-0001	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	5	16.25	1.625	1.62
MH061026-016-0002	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	5	16.24	1.624	1.62
MH061026-016-0003	IA2 OSR3 Trt 17101	29-Aug-07	15	1.5	5	7.59	0.759	0.76
MH061026-026-0001	IL1 OSR3 Trt 17101	10-Sep-07	15	1.5	5	4.28	0.428	0.28[b]
		24-Sep-07	15	1.5	5	1.30	0.130	
MH061026-026-0002	IL1 OSR3 Trt 17101	10-Sep-07	15	1.5	5	7.51	0.751	0.75
MH061026-026-0003	IL1 OSR3 Trt 17101	10-Sep-07	15	1.5	5	6.53	0.653	0.65
MH061026-036-0001	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	5	11.09	1.109	1.11
MH061026-036-0002	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	5	14.14	1.414	1.41
MH061026-036-0003	IL2 OSR3 Trt 17101	6-Sep-07	15	1.5	5	12.11	1.211	1.21
MH061026-046-0001	NE OSR3 Trt 17101	11-Sep-07	15	1.5	5	8.70	0.870	0.87
MH061026-046-0002	NE OSR3 Trt 17101	11-Sep-07	15	1.5	5	5.79	0.579	0.58
MH061026-046-0003	NE OSR3 Trt 17101	11-Sep-07	15	1.5	5	5.09	0.509	0.51
							Mean =	0.94
							Std dev. =	0.40
MH061026-006-0004	IA1 OSR3 Trt 17103	5-Sep-07	15	1.5	1	3.08	0.308	0.31
MH061026-006-0005	IA1 OSR3 Trt 17103	5-Sep-07	15	1.5	1	2.43	0.243	0.24
MH061026-006-0006	IA1 OSR3 Trt 17103	5-Sep-07	15	1.5	1	1.60	0.160	0.16
MH061026-016-0004	IA2 OSR3 Trt 17103	29-Aug-07	15	1.5	5	4.11	0.411	0.41
MH061026-016-0005	IA2 OSR3 Trt 17103	29-Aug-07	15	1.5	5	3.23	0.323	0.32
MH061026-016-0006	IA2 OSR3 Trt 17103	29-Aug-07	15	1.5	5	4.35	0.435	0.44
MH061026-026-0004	IL1 OSR3 Trt 17103	10-Sep-07	15	1.5	1	2.52	0.252	0.25
MH061026-026-0005	IL1 OSR3 Trt 17103	10-Sep-07	15	1.5	1	2.26	0.226	0.23
MH061026-026-0006	IL1 OSR3 Trt 17103	10-Sep-07	15	1.5	1	2.37	0.237	0.24
MH061026-036-0004	IL2 OSR3 Trt 17103	6-Sep-07	15	1.5	1	2.87	0.287	0.29
MH061026-036-0005	IL2 OSR3 Trt 17103	6-Sep-07	15	1.5	1	2.58	0.258	0.26
MH061026-036-0006	IL2 OSR3 Trt 17103	6-Sep-07	15	1.5	1	2.20	0.220	0.22
MH061026-046-0004	NE OSR3 Trt 17103	11-Sep-07	15	1.5	1	1.84	0.184	0.18
MH061026-046-0005	NE OSR3 Trt 17103	11-Sep-07	15	1.5	1	1.79	0.179	0.18
MH061026-046-0006	NE OSR3 Trt 17103	11-Sep-07	15	1.5	1	1.71	0.171	0.17
							Mean =	0.26
							Std dev. =	0.08
MH061026-006-0016	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	5	9.53	0.953	0.95
MH061026-006-0017	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	5	10.57	1.057	1.06
MH061026-006-0018	IA1 OSR3 Trt 17108	5-Sep-07	15	1.5	5	10.29	1.029	1.03
MH061026-016-0016	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	5	11.55	1.155	1.15

Appendix D Table 6. (Cont.) Expression Levels of PAT in OSR-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-016-0017	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	5	15.62	1.562	1.56
MH061026-016-0018	IA2 OSR3 Trt 17108	29-Aug-07	15	1.5	5	15.85	1.585	1.59
MH061026-026-0016	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	5	7.21	0.721	0.72
MH061026-026-0017	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	5	8.24	0.824	0.82
MH061026-026-0018	IL1 OSR3 Trt 17108	10-Sep-07	15	1.5	5	4.31	0.431	0.36[b]
		24-Sep-07	15	1.5	5	2.84	0.284	
MH061026-036-0016	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	5	14.42	1.442	1.44
MH061026-036-0017	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	5	18.53	1.853	1.85
MH061026-036-0018	IL2 OSR3 Trt 17108	6-Sep-07	15	1.5	5	16.38	1.638	1.64
MH061026-046-0016	NE OSR3 Trt 17108	11-Sep-07	15	1.5	5	7.41	0.741	0.74
MH061026-046-0017	NE OSR3 Trt 17108	11-Sep-07	15	1.5	5	7.49	0.749	0.75
MH061026-046-0018	NE OSR3 Trt 17108	11-Sep-07	15	1.5	5	7.70	0.770	0.77
							Mean =	1.10
							Std dev. =	0.43
MH061026-006-0019	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.03	0.003	ND[c]
MH061026-006-0020	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.03	0.003	ND
MH061026-006-0021	IA1 OSR3 Trt 17109	5-Sep-07	15	1.5	1	0.03	0.003	ND
MH061026-016-0019	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.05	0.005	ND
MH061026-016-0020	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.05	0.005	ND
MH061026-016-0021	IA2 OSR3 Trt 17109	29-Aug-07	15	1.5	1	0.05	0.005	ND
MH061026-026-0019	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.04	0.004	ND
MH061026-026-0020	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.06	0.006	ND
MH061026-026-0021	IL1 OSR3 Trt 17109	10-Sep-07	15	1.5	1	0.05	0.005	ND
MH061026-036-0019	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.06	0.006	ND
MH061026-036-0020	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.06	0.006	ND
MH061026-036-0021	IL2 OSR3 Trt 17109	6-Sep-07	15	1.5	1	0.06	0.006	ND
MH061026-046-0019	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.04	0.004	ND
MH061026-046-0020	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.04	0.004	ND
MH061026-046-0021	NE OSR3 Trt 17109	11-Sep-07	15	1.5	1	0.04	0.004	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Average of multiple analyses (multiple weighings of sample).

[c] ND = Not detected at the method LOD.

Appendix D Table 7. Expression Levels of PAT in OSWP-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-007-0001	IA1 OSWP1 Trt 17101	30-Aug-07	15	1.5	40	54.63	5.463	5.46
MH061026-007-0002	IA1 OSWP1 Trt 17101	30-Aug-07	15	1.5	40	59.88	5.988	5.99
MH061026-007-0003	IA1 OSWP1 Trt 17101	30-Aug-07	15	1.5	40	67.20	6.720	6.72
MH061026-017-0001	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	40	46.93	4.693	4.69
MH061026-017-0002	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	40	45.98	4.598	4.60
MH061026-017-0003	IA2 OSWP1 Trt 17101	20-Aug-07	15	1.5	40	40.40	4.040	4.04
MH061026-027-0001	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	40	49.37	4.937	4.94
MH061026-027-0002	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	40	42.88	4.288	4.29
MH061026-027-0003	IL1 OSWP1 Trt 17101	21-Aug-07	15	1.5	40	55.15	5.515	5.52
MH061026-037-0001	IL2 OSWP1 Trt 17101	23-Aug-07	15	1.5	40	44.47	4.447	4.45
MH061026-037-0002	IL2 OSWP1 Trt 17101	23-Aug-07	15	1.5	40	50.12	5.012	5.01
MH061026-037-0003	IL2 OSWP1 Trt 17101	23-Aug-07	15	1.5	40	36.26	3.626	3.63
MH061026-047-0001	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	40	29.03	2.903	2.90
MH061026-047-0002	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	40	35.26	3.526	3.53
MH061026-047-0003	NE OSWP1 Trt 17101	7-Sep-07	15	1.5	40	34.39	3.439	3.44
							Mean =	4.61
							Std dev. =	1.04
MH061026-007-0004	IA1 OSWP1 Trt 17103	30-Aug-07	15	1.5	20	27.63	2.763	2.76
MH061026-007-0005	IA1 OSWP1 Trt 17103	30-Aug-07	15	1.5	20	26.68	2.668	2.67
MH061026-007-0006	IA1 OSWP1 Trt 17103	30-Aug-07	15	1.5	20	25.76	2.576	2.58
MH061026-017-0004	IA2 OSWP1 Trt 17103	20-Aug-07	15	1.5	20	17.91	1.791	1.79
MH061026-017-0005	IA2 OSWP1 Trt 17103	20-Aug-07	15	1.5	20	10.09	1.009	1.01
MH061026-017-0006	IA2 OSWP1 Trt 17103	20-Aug-07	15	1.5	20	19.59	1.959	1.96
MH061026-027-0004	IL1 OSWP1 Trt 17103	21-Aug-07	15	1.5	20	21.29	2.129	2.13
MH061026-027-0005	IL1 OSWP1 Trt 17103	21-Aug-07	15	1.5	20	18.82	1.882	1.88
MH061026-027-0006	IL1 OSWP1 Trt 17103	21-Aug-07	15	1.5	20	20.34	2.034	2.03
MH061026-037-0004	IL2 OSWP1 Trt 17103	23-Aug-07	15	1.5	20	15.66	1.566	1.57
MH061026-037-0005	IL2 OSWP1 Trt 17103	23-Aug-07	15	1.5	20	18.72	1.872	1.87
MH061026-037-0006	IL2 OSWP1 Trt 17103	23-Aug-07	15	1.5	20	18.16	1.816	1.82
MH061026-047-0004	NE OSWP1 Trt 17103	7-Sep-07	15	1.5	20	11.93	1.193	1.19
MH061026-047-0005	NE OSWP1 Trt 17103	7-Sep-07	15	1.5	20	11.86	1.186	1.19
MH061026-047-0006	NE OSWP1 Trt 17103	7-Sep-07	15	1.5	20	15.00	1.500	1.50
							Mean =	1.86
							Std dev. =	0.53
MH061026-007-0016	IA1 OSWP1 Trt 17108	30-Aug-07	15	1.5	40	118.58	11.858	11.86
MH061026-007-0017	IA1 OSWP1 Trt 17108	30-Aug-07	15	1.5	40	108.20	10.820	10.82
MH061026-007-0018	IA1 OSWP1 Trt 17108	30-Aug-07	15	1.5	40	107.85	10.785	10.79
MH061026-017-0016	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	40	57.96	5.796	5.80
MH061026-017-0017	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	40	43.27	4.327	4.33
MH061026-017-0018	IA2 OSWP1 Trt 17108	20-Aug-07	15	1.5	40	61.16	6.116	6.12

Appendix D Table 7. (Cont.) Expression Levels of PAT in OSWP-1 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-027-0016	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	40	82.32	8.232	8.23
MH061026-027-0017	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	40	83.97	8.397	8.40
MH061026-027-0018	IL1 OSWP1 Trt 17108	21-Aug-07	15	1.5	40	75.90	7.590	7.59
MH061026-037-0016	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	40	72.77	7.277	7.28
MH061026-037-0017	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	40	54.81	5.481	5.48
MH061026-037-0018	IL2 OSWP1 Trt 17108	23-Aug-07	15	1.5	40	97.61	9.761	9.76
MH061026-047-0016	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	40	46.11	4.611	4.61
MH061026-047-0017	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	40	52.76	5.276	5.28
MH061026-047-0018	NE OSWP1 Trt 17108	7-Sep-07	15	1.5	40	51.40	5.140	5.14
							Mean =	7.43
							Std dev. =	2.47
MH061026-007-0019	IA1 OSWP1 Trt 17109	30-Aug-07	15	1.5	2	0.06	0.006	ND[b]
MH061026-007-0020	IA1 OSWP1 Trt 17109	30-Aug-07	15	1.5	2	0.06	0.006	ND
MH061026-007-0021	IA1 OSWP1 Trt 17109	30-Aug-07	15	1.5	2	0.04	0.004	ND
MH061026-017-0019	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-017-0020	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-017-0021	IA2 OSWP1 Trt 17109	20-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-027-0019	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.08	0.008	ND
MH061026-027-0020	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.08	0.008	ND
MH061026-027-0021	IL1 OSWP1 Trt 17109	21-Aug-07	15	1.5	2	0.07	0.007	ND
MH061026-037-0019	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	2	0.10	0.010	ND
MH061026-037-0020	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	2	0.08	0.008	ND
MH061026-037-0021	IL2 OSWP1 Trt 17109	23-Aug-07	15	1.5	2	0.07	0.007	ND
MH061026-047-0019	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.09	0.009	ND
MH061026-047-0020	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.08	0.008	ND
MH061026-047-0021	NE OSWP1 Trt 17109	7-Sep-07	15	1.5	2	0.08	0.008	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

Appendix D Table 8. Expression Levels of PAT in OSWP-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-008-0001	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	10	12.39	1.239	1.24
MH061026-008-0002	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	10	11.57	1.157	1.16
MH061026-008-0003	IA1 OSWP2 Trt 17101	9-Aug-07	15	1.5	10	13.31	1.331	1.33
MH061026-018-0001	IA2 OSWP2 Trt 17101	10-Aug-07	15	1.5	10	21.51	2.151	2.15
MH061026-018-0002	IA2 OSWP2 Trt 17101	10-Aug-07	15	1.5	10	26.96	2.696	2.70
MH061026-018-0003	IA2 OSWP2 Trt 17101	10-Aug-07	15	1.5	10	29.74	2.974	2.97
MH061026-028-0001	IL1 OSWP2 Trt 17101	13-Aug-07	15	1.5	10	14.93	1.493	1.49
MH061026-028-0002	IL1 OSWP2 Trt 17101	13-Aug-07	15	1.5	10	16.41	1.641	1.64
MH061026-028-0003	IL1 OSWP2 Trt 17101	13-Aug-07	15	1.5	10	19.82	1.982	1.98
MH061026-038-0001	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	10	7.01	0.701	0.70
MH061026-038-0002	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	10	11.12	1.112	1.11
MH061026-038-0003	IL2 OSWP2 Trt 17101	15-Aug-07	15	1.5	10	9.16	0.916	0.92
MH061026-048-0001	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	10	17.00	1.700	1.70
MH061026-048-0002	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	10	15.53	1.553	1.55
MH061026-048-0003	NE OSWP2 Trt 17101	10-Sep-07	15	1.5	10	10.86	1.086	1.09
							Mean =	1.58
							Std dev. =	0.64
MH061026-008-0004	IA1 OSWP2 Trt 17103	9-Aug-07	15	1.5	10	3.15	0.315	0.31
MH061026-008-0005	IA1 OSWP2 Trt 17103	9-Aug-07	15	1.5	10	6.81	0.681	0.68
MH061026-008-0006	IA1 OSWP2 Trt 17103	9-Aug-07	15	1.5	10	6.41	0.641	0.64
MH061026-018-0004	IA2 OSWP2 Trt 17103	10-Aug-07	15	1.5	5	5.94	0.594	0.59
MH061026-018-0005	IA2 OSWP2 Trt 17103	10-Aug-07	15	1.5	5	6.76	0.676	0.68
MH061026-018-0006	IA2 OSWP2 Trt 17103	10-Aug-07	15	1.5	5	5.08	0.508	0.51
MH061026-028-0004	IL1 OSWP2 Trt 17103	13-Aug-07	15	1.5	5	8.11	0.811	0.81
MH061026-028-0005	IL1 OSWP2 Trt 17103	13-Aug-07	15	1.5	5	4.52	0.452	0.45
MH061026-028-0006	IL1 OSWP2 Trt 17103	13-Aug-07	15	1.5	5	5.23	0.523	0.52
MH061026-038-0004	IL2 OSWP2 Trt 17103	15-Aug-07	15	1.5	5	3.13	0.313	0.31
MH061026-038-0005	IL2 OSWP2 Trt 17103	15-Aug-07	15	1.5	5	2.57	0.257	0.26
MH061026-038-0006	IL2 OSWP2 Trt 17103	15-Aug-07	15	1.5	5	3.09	0.309	0.31
MH061026-048-0004	NE OSWP2 Trt 17103	10-Sep-07	15	1.5	5	5.77	0.577	0.58
MH061026-048-0005	NE OSWP2 Trt 17103	10-Sep-07	15	1.5	5	4.66	0.466	0.47
MH061026-048-0006	NE OSWP2 Trt 17103	10-Sep-07	15	1.5	5	6.19	0.619	0.62
							Mean =	0.52
							Std dev. =	0.16
MH061026-008-0016	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	10	24.72	2.472	2.47
MH061026-008-0017	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	10	23.79	2.379	2.38
MH061026-008-0018	IA1 OSWP2 Trt 17108	9-Aug-07	15	1.5	10	25.03	2.503	2.50
MH061026-018-0016	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	10	44.45	4.445	4.45
MH061026-018-0017	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	10	36.74	3.674	3.67

Appendix D Table 8. (Cont.) Expression Levels of PAT in OSWP-2 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-018-0018	IA2 OSWP2 Trt 17108	10-Aug-07	15	1.5	10	37.75	3.775	3.78
MH061026-028-0016	IL1 OSWP2 Trt 17108	13-Aug-07	15	1.5	10	18.74	1.874	1.87
MH061026-028-0017	IL1 OSWP2 Trt 17108	13-Aug-07	15	1.5	10	21.89	2.189	2.19
MH061026-028-0018	IL1 OSWP2 Trt 17108	13-Aug-07	15	1.5	10	25.82	2.582	2.58
MH061026-038-0016	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	10	18.29	1.829	1.83
MH061026-038-0017	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	10	16.90	1.690	1.69
MH061026-038-0018	IL2 OSWP2 Trt 17108	15-Aug-07	15	1.5	10	15.57	1.557	1.56
MH061026-048-0016	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	10	28.35	2.835	2.84
MH061026-048-0017	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	10	16.00	1.600	1.60
MH061026-048-0018	NE OSWP2 Trt 17108	10-Sep-07	15	1.5	10	23.16	2.316	2.32
							Mean =	2.51
							Std dev. =	0.86
MH061026-008-0019	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	2	0.09	0.009	ND[b]
MH061026-008-0020	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	2	0.07	0.007	ND
MH061026-008-0021	IA1 OSWP2 Trt 17109	9-Aug-07	15	1.5	2	0.07	0.007	ND
MH061026-018-0019	IA2 OSWP2 Trt 17109	20-Sep-07	15	1.5	10	34.44	3.444	3.44
MH061026-018-0020	IA2 OSWP2 Trt 17109	10-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-018-0021	IA2 OSWP2 Trt 17109	NA[c]	NA	NA	NA	NA	NA	NA
MH061026-028-0019	IL1 OSWP2 Trt 17109	13-Aug-07	15	1.5	2	0.11	0.011	ND
MH061026-028-0020	IL1 OSWP2 Trt 17109	13-Aug-07	15	1.5	2	0.12	0.012	ND
MH061026-028-0021	IL1 OSWP2 Trt 17109	13-Aug-07	15	1.5	2	0.12	0.012	ND
MH061026-038-0019	IL2 OSWP2 Trt 17109	15-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-038-0020	IL2 OSWP2 Trt 17109	15-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-038-0021	IL2 OSWP2 Trt 17109	15-Aug-07	15	1.5	2	0.00	0.000	ND
MH061026-048-0019	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.02	0.002	ND
MH061026-048-0020	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.03	0.003	ND
MH061026-048-0021	NE OSWP2 Trt 17109	10-Sep-07	15	1.5	2	0.04	0.004	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] Not enough sample available for analysis.

Appendix D Table 9. Expression Levels of PAT in OSWP-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-009-0001	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	5	1.58	0.158	0.16
MH061026-009-0002	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	5	3.90	0.390	0.39
MH061026-009-0003	IA1 OSWP3 Trt 17101	11-Sep-07	15	1.5	5	4.91	0.491	0.49
MH061026-019-0001	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	5	3.62	0.362	0.36
MH061026-019-0002	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	5	3.41	0.341	0.34
MH061026-019-0003	IA2 OSWP3 Trt 17101	12-Sep-07	15	1.5	5	2.48	0.248	0.25
MH061026-029-0001	IL1 OSWP3 Trt 17101	20-Sep-07	15	1.5	2	0.77	0.077	0.08
MH061026-029-0002	IL1 OSWP3 Trt 17101	20-Sep-07	15	1.5	2	0.48	0.048	ND[b]
MH061026-029-0003	IL1 OSWP3 Trt 17101	20-Sep-07	15	1.5	2	0.55	0.055	(0.055)[c]
MH061026-039-0001	IL2 OSWP3 Trt 17101	20-Sep-07	15	1.5	2	0.20	0.020	ND[d]
MH061026-039-0002	IL2 OSWP3 Trt 17101	20-Sep-07	15	1.5	2	0.25	0.025	ND[b]
MH061026-039-0003	IL2 OSWP3 Trt 17101	20-Sep-07	15	1.5	2	0.31	0.031	ND[b]
MH061026-049-0001	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	2	0.36	0.036	ND[b]
MH061026-049-0002	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	2	0.44	0.044	ND[b]
MH061026-049-0003	NE OSWP3 Trt 17101	17-Sep-07	15	1.5	2	0.25	0.025	ND[b]
							Mean =	0.16
							Std dev. =	0.16
MH061026-009-0004	IA1 OSWP3 Trt 17103	11-Sep-07	15	1.5	2	1.74	0.174	0.17
MH061026-009-0005	IA1 OSWP3 Trt 17103	11-Sep-07	15	1.5	2	1.62	0.162	0.16
MH061026-009-0006	IA1 OSWP3 Trt 17103	11-Sep-07	15	1.5	2	1.00	0.100	0.10
MH061026-019-0004	IA2 OSWP3 Trt 17103	12-Sep-07	15	1.5	2	0.65	0.065	0.06
MH061026-019-0005	IA2 OSWP3 Trt 17103	12-Sep-07	15	1.5	2	0.64	0.064	0.06
MH061026-019-0006	IA2 OSWP3 Trt 17103	12-Sep-07	15	1.5	2	0.83	0.083	0.08
MH061026-029-0004	IL1 OSWP3 Trt 17103	13-Sep-07	15	1.5	2	0.18	0.018	ND
MH061026-029-0005	IL1 OSWP3 Trt 17103	13-Sep-07	15	1.5	2	0.20	0.020	ND
MH061026-029-0006	IL1 OSWP3 Trt 17103	13-Sep-07	15	1.5	2	0.64	0.064	0.06
MH061026-039-0004	IL2 OSWP3 Trt 17103	17-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-039-0005	IL2 OSWP3 Trt 17103	17-Sep-07	15	1.5	2	0.14	0.014	ND
MH061026-039-0006	IL2 OSWP3 Trt 17103	17-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-049-0004	NE OSWP3 Trt 17103	17-Sep-07	15	1.5	2	0.13	0.013	ND
MH061026-049-0005	NE OSWP3 Trt 17103	17-Sep-07	15	1.5	2	0.05	0.005	ND
MH061026-049-0006	NE OSWP3 Trt 17103	17-Sep-07	15	1.5	2	0.06	0.006	ND
							Mean =	(0.05)
							Std dev. =	0.06
MH061026-009-0016	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	5	5.43	0.543	0.54
MH061026-009-0017	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	5	2.48	0.248	0.25
MH061026-009-0018	IA1 OSWP3 Trt 17108	11-Sep-07	15	1.5	5	8.00	0.800	0.80
MH061026-019-0016	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	5	3.56	0.356	0.36
MH061026-019-0017	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	5	4.09	0.409	0.41

Appendix D Table 9. (Cont.) Expression Levels of PAT in OSWP-3 Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-019-0018	IA2 OSWP3 Trt 17108	12-Sep-07	15	1.5	5	3.82	0.382	0.38
MH061026-029-0016	IL1 OSWP3 Trt 17108	13-Sep-07	15	1.5	5	1.57	0.157	0.16
MH061026-029-0017	IL1 OSWP3 Trt 17108	20-Sep-07	15	1.5	2	0.41	0.041	ND[b]
MH061026-029-0018	IL1 OSWP3 Trt 17108	20-Sep-07	15	1.5	2	0.90	0.090	0.09
MH061026-049-0016	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	2	0.18	0.018	ND
MH061026-049-0017	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	2	0.36	0.036	ND[b]
MH061026-049-0018	NE OSWP3 Trt 17108	17-Sep-07	15	1.5	2	0.31	0.031	ND[b]
MH061026-039-0016	IL2 OSWP3 Trt 17108	20-Sep-07	15	1.5	2	0.57	0.057	0.06
MH061026-039-0017	IL2 OSWP3 Trt 17108	20-Sep-07	15	1.5	2	0.60	0.060	0.06
MH061026-039-0018	IL2 OSWP3 Trt 17108	20-Sep-07	15	1.5	2	0.79	0.079	0.08
							Mean =	0.22
							Std dev. =	0.23
MH061026-009-0019	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-009-0020	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-009-0021	IA1 OSWP3 Trt 17109	11-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-019-0019	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.05	0.005	ND
MH061026-019-0020	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.03	0.003	ND
MH061026-019-0021	IA2 OSWP3 Trt 17109	12-Sep-07	15	1.5	2	0.04	0.004	ND
MH061026-029-0019	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-029-0020	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	2	0.08	0.008	ND
MH061026-029-0021	IL1 OSWP3 Trt 17109	13-Sep-07	15	1.5	2	0.07	0.007	ND
MH061026-039-0019	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.03	0.003	ND
MH061026-039-0020	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.03	0.003	ND
MH061026-039-0021	IL2 OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.03	0.003	ND
MH061026-049-0019	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.02	0.002	ND
MH061026-049-0020	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.02	0.002	ND
MH061026-049-0021	NE OSWP3 Trt 17109	17-Sep-07	15	1.5	2	0.02	0.002	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Sample absorbances below average absorbance for 0.25 ng/mL standard, thus reported as ND.

[c] Values in parentheses are below the method LOQ but higher than the method LOD.

[d] ND = Not detected at the method LOD.

Appendix D Table 10. Expression Levels of PAT in Pollen Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
061026-010-0013	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.09	0.009	ND[b]
061026-010-0014	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.10	0.010	ND
061026-010-0015	IA1 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.10	0.010	ND
061026-021-0013	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.09	0.009	ND
061026-021-0014	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.09	0.009	ND
061026-021-0015	IA2 Pollen Trt 17101	9-Feb-07	15	1.5	1	0.09	0.009	ND
061026-032-0013	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-032-0014	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-032-0015	IL1 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-043-0013	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-043-0014	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-043-0015	IL2 Pollen Trt 17101	14-Feb-07	15	1.5	1	0.10	0.010	ND
061026-054-0013	NE Pollen Trt 17101	16-Feb-07	15	1.5	1	0.10	0.010	ND
061026-054-0014	NE Pollen Trt 17101	16-Feb-07	15	1.5	1	0.09	0.009	ND
061026-054-0015	NE Pollen Trt 17101	16-Feb-07	15	1.5	1	0.09	0.009	ND
							Mean =	ND
							Std dev. =	NA[c]
061026-010-0019	IA1 Pollen Trt 17103	24-Apr-07	15	1.5	1	0.16	0.016	ND
061026-010-0020	IA1 Pollen Trt 17103	24-Apr-07	15	1.5	1	0.14	0.014	ND
061026-010-0021	IA1 Pollen Trt 17103	24-Apr-07	15	1.5	1	0.13	0.013	ND
061026-021-0019	IA2 Pollen Trt 17103	24-Apr-07	15	1.5	1	0.09	0.009	ND
061026-021-0020	IA2 Pollen Trt 17103	24-Apr-07	15	1.5	1	0.12	0.012	ND
061026-021-0021	IA2 Pollen Trt 17103	24-Apr-07	15	1.5	1	0.11	0.011	ND
061026-032-0019	IL1 Pollen Trt 17103	26-Apr-07	15	1.5	1	0.10	0.010	ND
061026-032-0020	IL1 Pollen Trt 17103	26-Apr-07	15	1.5	1	0.10	0.010	ND
061026-032-0021	IL1 Pollen Trt 17103	26-Apr-07	15	1.5	1	0.12	0.012	ND
061026-043-0019	IL2 Pollen Trt 17103	26-Apr-07	15	1.5	1	0.10	0.010	ND
061026-043-0020	IL2 Pollen Trt 17103	26-Apr-07	15	1.5	1	0.10	0.010	ND
061026-043-0021	IL2 Pollen Trt 17103	26-Apr-07	15	1.5	1	0.12	0.012	ND
061026-054-0019	NE Pollen Trt 17103	30-Apr-07	15	1.5	1	0.12	0.012	ND
061026-054-0020	NE Pollen Trt 17103	30-Apr-07	15	1.5	1	0.11	0.011	ND
061026-054-0021	NE Pollen Trt 17103	30-Apr-07	15	1.5	1	0.13	0.013	ND
							Mean =	ND
							Std dev. =	NA
061026-010-0034	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.14	0.014	ND
061026-010-0035	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.15	0.015	ND
061026-010-0036	IA1 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.14	0.014	ND
061026-021-0034	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.12	0.012	ND
061026-021-0035	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.14	0.014	ND

Appendix D Table 10. (Cont.) Expression Levels of PAT in Pollen Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
061026-021-0036	IA2 Pollen Trt 17108	24-Apr-07	15	1.5	1	0.17	0.017	ND
061026-032-0034	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.09	0.009	ND
061026-032-0035	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.13	0.013	ND
061026-032-0036	IL1 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.12	0.012	ND
061026-043-0034	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.10	0.010	ND
061026-043-0035	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.11	0.011	ND
061026-043-0036	IL2 Pollen Trt 17108	26-Apr-07	15	1.5	1	0.11	0.011	ND
061026-054-0034	NE Pollen Trt 17108	30-Apr-07	15	1.5	1	0.16	0.016	ND
061026-054-0035	NE Pollen Trt 17108	30-Apr-07	15	1.5	1	0.10	0.010	ND
061026-054-0036	NE Pollen Trt 17108	30-Apr-07	15	1.5	1	0.19	0.019	ND
							Mean =	ND
							Std dev. =	NA
061026-010-0037	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.09	0.009	ND
061026-010-0038	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.10	0.010	ND
061026-010-0039	IA1 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.10	0.010	ND
061026-021-0037	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.08	0.008	ND
061026-021-0038	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.09	0.009	ND
061026-021-0039	IA2 Pollen Trt 17109	9-Feb-07	15	1.5	1	0.09	0.009	ND
061026-032-0037	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-032-0038	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-032-0039	IL1 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-043-0037	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-043-0038	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-043-0039	IL2 Pollen Trt 17109	14-Feb-07	15	1.5	1	0.09	0.009	ND
061026-054-0037	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.09	0.009	ND
061026-054-0038	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.09	0.009	ND
061026-054-0039	NE Pollen Trt 17109	16-Feb-07	15	1.5	1	0.09	0.009	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] ND = Not detected at the method LOD.

[c] NA = Not applicable.

Appendix D Table 11. Expression Levels of PAT in Grain Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-010-0001	IA1 Grain Trt 17101	19-Jul-07	15	1.5	1	0.26	0.026	(0.026)[b]
MH061026-010-0002	IA1 Grain Trt 17101	19-Jul-07	15	1.5	1	0.27	0.027	(0.027)
MH061026-010-0003	IA1 Grain Trt 17101	19-Jul-07	15	1.5	1	0.30	0.030	(0.030)
MH061026-020-0001	IA2 Grain Trt 17101	30-Jul-07	15	1.5	1	0.46	0.046	(0.046)
MH061026-020-0002	IA2 Grain Trt 17101	30-Jul-07	15	1.5	1	0.53	0.053	(0.053)
MH061026-020-0003	IA2 Grain Trt 17101	30-Jul-07	15	1.5	1	0.91	0.091	0.091
MH061026-030-0001	IL1 Grain Trt 17101	1-Aug-07	15	1.5	1	0.53	0.053	(0.053)
MH061026-030-0002	IL1 Grain Trt 17101	1-Aug-07	15	1.5	1	0.55	0.055	0.055
MH061026-030-0003	IL1 Grain Trt 17101	1-Aug-07	15	1.5	1	0.48	0.048	(0.048)
MH061026-040-0001	IL2 Grain Trt 17101	2-Aug-07	15	1.5	1	0.40	0.040	(0.040)
MH061026-040-0002	IL2 Grain Trt 17101	2-Aug-07	15	1.5	1	0.81	0.081	0.081
MH061026-040-0003	IL2 Grain Trt 17101	2-Aug-07	15	1.5	1	0.53	0.053	(0.053)
MH061026-050-0001	NE Grain Trt 17101	3-Aug-07	15	1.5	1	0.53	0.053	(0.053)
MH061026-050-0002	NE Grain Trt 17101	3-Aug-07	15	1.5	1	0.39	0.039	(0.039)
MH061026-050-0003	NE Grain Trt 17101	3-Aug-07	15	1.5	1	0.45	0.045	(0.045)
							Mean =	(0.049)
							Std dev. =	0.018
MH061026-010-0004	IA1 Grain Trt 17103	19-Jul-07	15	1.5	1	0.06	0.006	ND[c]
MH061026-010-0005	IA1 Grain Trt 17103	19-Jul-07	15	1.5	1	0.08	0.008	ND
MH061026-010-0006	IA1 Grain Trt 17103	19-Jul-07	15	1.5	1	0.06	0.006	ND
MH061026-020-0004	IA2 Grain Trt 17103	30-Jul-07	15	1.5	1	0.10	0.010	ND
MH061026-020-0005	IA2 Grain Trt 17103	30-Jul-07	15	1.5	1	0.09	0.009	ND
MH061026-020-0006	IA2 Grain Trt 17103	30-Jul-07	15	1.5	1	0.08	0.008	ND
MH061026-030-0004	IL1 Grain Trt 17103	1-Aug-07	15	1.5	1	0.13	0.013	ND
MH061026-030-0005	IL1 Grain Trt 17103	1-Aug-07	15	1.5	1	0.13	0.013	ND
MH061026-030-0006	IL1 Grain Trt 17103	1-Aug-07	15	1.5	1	0.12	0.012	ND
MH061026-040-0004	IL2 Grain Trt 17103	2-Aug-07	15	1.5	1	0.08	0.008	ND
MH061026-040-0005	IL2 Grain Trt 17103	2-Aug-07	15	1.5	1	0.07	0.007	ND
MH061026-040-0006	IL2 Grain Trt 17103	2-Aug-07	15	1.5	1	0.08	0.008	ND
MH061026-050-0004	NE Grain Trt 17103	3-Aug-07	15	1.5	1	0.09	0.009	ND
MH061026-050-0005	NE Grain Trt 17103	3-Aug-07	15	1.5	1	0.10	0.010	ND
MH061026-050-0006	NE Grain Trt 17103	3-Aug-07	15	1.5	1	0.10	0.010	ND
							Mean =	ND
							Std dev. =	NA[d]
MH061026-010-0016	IA1 Grain Trt 17108	19-Jul-07	15	1.5	1	0.22	0.022	ND
MH061026-010-0017	IA1 Grain Trt 17108	19-Jul-07	15	1.5	1	0.24	0.024	ND
MH061026-010-0018	IA1 Grain Trt 17108	19-Jul-07	15	1.5	1	0.35	0.035	(0.035)
MH061026-020-0016	IA2 Grain Trt 17108	30-Jul-07	15	1.5	1	0.42	0.042	(0.042)
MH061026-020-0017	IA2 Grain Trt 17108	30-Jul-07	15	1.5	1	0.40	0.040	(0.040)

Appendix D Table 11. (Cont.) Expression Levels of PAT in Grain Samples

DAS Sample Number	Sample Description	Date of Extraction	Sample Weight (mg)	Extract Volume (mL)	Dilution Factor	PAT Reported Results (ng/mL)	PAT Results (ng/mg)[a]	Reported PAT Results (ng/mg)
MH061026-020-0018	IA2 Grain Trt 17108	30-Jul-07	15	1.5	1	1.05	0.105	0.10
MH061026-030-0016	IL1 Grain Trt 17108	1-Aug-07	15	1.5	1	0.72	0.072	0.072
MH061026-030-0017	IL1 Grain Trt 17108	1-Aug-07	15	1.5	1	0.73	0.073	0.073
MH061026-030-0018	IL1 Grain Trt 17108	1-Aug-07	15	1.5	1	0.52	0.052	(0.052)
MH061026-040-0016	IL2 Grain Trt 17108	2-Aug-07	15	1.5	1	0.38	0.038	(0.038)
MH061026-040-0017	IL2 Grain Trt 17108	2-Aug-07	15	1.5	1	0.30	0.030	(0.030)
MH061026-040-0018	IL2 Grain Trt 17108	2-Aug-07	15	1.5	1	0.37	0.037	(0.037)
MH061026-050-0016	NE Grain Trt 17108	3-Aug-07	15	1.5	1	0.58	0.058	0.058
MH061026-050-0017	NE Grain Trt 17108	3-Aug-07	15	1.5	1	0.48	0.048	(0.048)
MH061026-050-0018	NE Grain Trt 17108	3-Aug-07	15	1.5	1	0.80	0.080	0.080
							Mean =	(0.050)
							Std dev. =	0.023
MH061026-010-0019	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-010-0020	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-010-0021	IA1 Grain Trt 17109	19-Jul-07	15	1.5	1	0.03	0.003	ND
MH061026-020-0019	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-020-0020	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-020-0021	IA2 Grain Trt 17109	30-Jul-07	15	1.5	1	0.04	0.004	ND
MH061026-030-0019	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.05	0.005	ND
MH061026-030-0020	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-030-0021	IL1 Grain Trt 17109	1-Aug-07	15	1.5	1	0.06	0.006	ND
MH061026-040-0019	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-040-0020	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.02	0.002	ND
MH061026-040-0021	IL2 Grain Trt 17109	2-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-050-0019	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-050-0020	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.03	0.003	ND
MH061026-050-0021	NE Grain Trt 17109	3-Aug-07	15	1.5	1	0.03	0.003	ND

[a] Results (ng/mg) PAT = $\frac{\text{Result (ng/mL)}}{\text{Sample Weight (mg)/Sample Vol. (mL)}}$

[b] Values in parentheses are below the method LOQ but higher than the method LOD.

[c] ND = Not detected at the method LOD.

[d] NA = Not applicable.