

**ANALYSIS OF TEST/REFERENCE/CONTROL SUBSTANCE**

**TITLE/OBJECTIVE** Certification of identity of the following test/reference/control substances for use in a study.

**TEST/CONTROL SUBSTANCE**

Source ID Number	Material Description for Soybean Seed
YX07KX002526	pDAB4468{4}-0416.001-519-15-B
YX07KX002559	pDAB4468{4}-0416.001-519-11-B
YX07KX002114	Non-Transgenic Near Isoline

**Method Used:**

Event-specific PCR for identification

**Results:**

Event-Specific PCR (one primer was specific to the 3' integration junction for event 416), using genomic DNA extracted from Soybean seeds, confirmed that YX07KX002526 and YX07KX002559 were positive for event 416.

**Data Summary:****YX07KX002526 and YX07KX002559**

Sample	SOB485 (Average)	FAM-Event 416	SOB525 (Average)	HEX-Internal PCR Control
Positive Control	3.33	+	7.59	+
Negative Control	2.35	-	6.31	+
YX07KX002526	3.81	+	5.7	+
YX07KX002559	4.19	+	10.55	+
Water	1	-	1	-
Blank	0	-	0	-
	<b>Cut Off <math>\approx</math> 3.0</b>		<b>Cut Off <math>\approx</math> 3.0</b>	

SOB485=Ratio of FAM; FAM-Event 416: interpretation of the ratio to identify a sample as Event 416 positive (+) or Event 416 negative (-).

SOB525=Ratio of HEX; HEX-Internal PCR Control: interpretation of the ratio to identify sample as successful PCR, positive (+), or unsuccessful PCR, negative (-).

**Event-specific Taqman® Validation for Event 416:**

See DAS Lab Notebook E1650, Ning Zhou for protocol and experiment.

**Analysis Completion Date:** 28-September-2010

**Analysis Completed By:** James K. Cruse

**TESTING FACILITY**

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