

## Supplementary Material

**Table S1.** Primers used to amplify soybean centromere-specific probes.

Primer ID	Primer sequences
Soycent-1F	CATTTGAATTTCTCGAGAGCTTC
Soycent-1R	TCATAACTTTTAACTCGGAGGTCC
Soycent-2F	CGTTTGAATTTGCTCAGAGCT
Soycent-2R	ACAATAACTTTTACTCGGATGTCTG

**Table S2.** Primers and probes used in TaqMan assays.

Assay IDs	Primer ID	Primer sequences	Probe sequences
3316	3316F	TGCCTGTCCTCCACTAGTATTGAA	AAGGACACCAGAGACTCAATTTGGAGCTG
	3316R	AAATGATGGGTAAGTCAACGCAT	
3289	3289F	TCTGTCCTTCTTCACAAACAAGTTTAC	TCCACTTTCGCAATTCCAATGGCTTC
	3289R	CTGCTCTGGACGCTGGAGA	