Table S1. Slope and correlation coefficient of scatter plots in the repeatability assay

Comparison	slope	r^2
Gel-to-gel	1	0.75
	0.91	0.89
	0.95	0.84
	0.8	0.81
	0.92	0.86
	1.06	0.79
Extract-to-extract	0.89	0.87
	0.69	0.68
	0.77	0.79

Table S2. Extraction yield of soluble proteins extracted from leaves of eight maize varieties using phenol protocol compared to total protein content

	2010		2011	
Variety	Soluble protein content (mg g^{-1} FW)	Extraction yield of soluble proteins (%)	Soluble protein content (mg g^{-1} FW)	Extraction yield of soluble proteins (%)
DKB 240	1.33 ± 0.02	19.73	1.33 ± 0.05	15.89
DKBYG 240	1.34 ± 0.03	16.83	1.13 ± 0.05	10.63
DKB 330	2.77 ± 0.77	35.11	2.28 ± 0.28	23.90
DKBYG 330	1.48 ± 0.48	14.84	1.94 ± 0.54	24.31
DKB 350	1.12 ±0.38	13.25	1.14 ± 0.42	15.08
DKBYG 350	1.47 ± 0.19	21.49	1.16 ± 0.48	13.21
AG 6018	1.10 ± 0.11	15.07	1.16 ± 0.37	15.34
AGYG 6018	0.84 ± 0.12	9.48	0.98 ± 0.04	12.01

Values are means ± SD (n = 3).

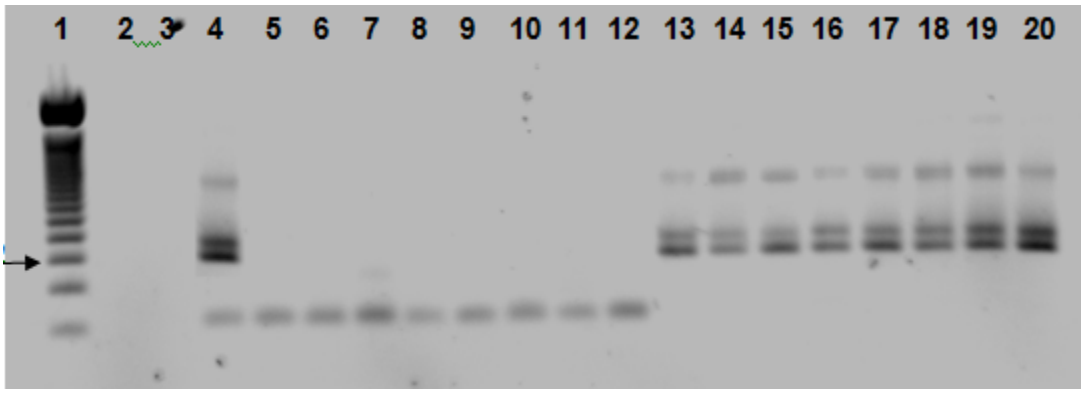

Figure S1. Nested PCR for MON810 detection using mg1/mg2 and mg3/mg4 primers. Lane 1: 50 bp DNA ladder (Promega); lane 2: negative control (water); lane 3: negative control (soybean DNA); lane 4: positive control (CRM 5% MON810 maize DNA); lanes 5-12: DNA isolated in duplicate from leaves of four non-GM isogenic maize varieties; lanes 13-20: DNA isolated in duplicate from leaves of four MON810 maize varieties (15 µL PCR product + 5 µL loading buffer per lane). Arrow indicates 150 bp.