

Supplementary information

Table S1. Primer information

No.	Target	Primer	Sequence (5'-3')	Expected amplicon size (bp)	Reference
1	3272	3272-F 3272-R	(FAM)CTGGCCGATAAACTGACCAT CCAAACGTAAAACGGCTTGT	221	Ministry of Agriculture Announcement No. 2031-13-2013
2	4114	4114-F 4114-R	(FAM)GCCTCTTGCTCTTCAGGATGA CGCAGTGAGAACCGTATATCCA	296	Ministry of Agriculture Announcement No. 2630-7-2017
3	5307	5307-F 5307-R	(ROX)GTGTTATTAAGTTGTCTAAGCGTC GACCAAAAGAGTTCTAGTGTAGTG	250	Ministry of Agriculture Announcement No. 2630-4-2017
4	59122	59122-F 59122-R	(FAM)CGTCCGCAATGTGTTATTAAG TGACCAAGTGTCCTTCTGAC	273	Ministry of Agriculture Announcement No. 1485-9-2010
5	Bt11	Bt11-F Bt11-R	(ROX)GCCTCGTGATACGCCTATTTTT CAAAAATCCAAGAATCCCTCCA	163	Ministry of Agriculture Announcement No. 2122-14-2014
6	Bt176	Bt176-F Bt176-R	(ROX)TTCAAGCACGGGAACTGGC GAGCGAGAACACGAGAAGAGG	270	Ministry of Agriculture Announcement No. 2122-15-2014
7	Bt506	Bt506-F Bt506-R	(ROX)GGACCCTTTCCTCCACCCTTTA CCAATTACCATATCCGCGTGCC	231	Ministry of Agriculture and Rural Affairs Announcement No. 111-7-2018
8	BVLA43 0101	101-F 101-R	(ROX)AATTGCGTTGCGCTCACT GCAACACATGGGCACATACC	152	Ministry of Agriculture Announcement

No. 1782-11-2012

9	C0010.1.1	C0010.1.1-F C0010.1.1-R	(FAM)AGGAGGCCCTTGTTTGTGA ACGGCGAGTTCTGTTAGGTC	239	Ministry of Agriculture and Rural Affairs Announcement No. 111-8-2018
10	C0010.1.3	C0010.1.3-F C0010.1.3-R	(FAM)CTCTATAGTAAATGGGTTCGC CGCAAAC TAGGATAAATTATCGC	198	Ministry of Agriculture and Rural Affairs Announcement No. 323-14-2020
11	C0010.3.1	C0010.3.1-F C0010.3.1-R	(ROX)CGTCAACTTAAC TTGAGTGC TCAGTCTAACACCGCAAT	292	Ministry of Agriculture and Rural Affairs Announcement No. 323-15-2020
12	C0030.2.5	C0030.2.5-F C0030.2.5-R	(ROX)CCAGTCCTGATTATCAGTCATT TAAAAACGTCCGCAATGTGTTATTA	296	Ministry of Agriculture and Rural Affairs Announcement No. 323-18-2020
13	C0030.3.5	C0030.3.5-F C0030.3.5-R	(FAM)CTCGTCAGCCAACACCGTGA CCCCGCCTCATCTTGATCCA	202	Ministry of Agriculture Announcement No. 2630-9-2017
14	CC-2	CC-2-F CC-2-R	(FAM)GTTTATGGTTCTCCCCGTGTA TCGGGGGATCTGGATTTTAGT	115	Ministry of Agriculture and Rural Affairs Announcement No. 323-3-2020
15	DAS-40278-9	40278-F 40278-R	(ROX)CCATTCAGGAGACCTCGCTTG CGAGCTTCAATCACTTTATGG	238	Ministry of Agriculture Announcement No. 2122-9-2014
16	GA21	GA21-F GA21-R	(ROX)CTTATCGTTATGCTATTTGCAACTT TGGCTCGCGATCCTCCTCGCGTTTC	112	Ministry of Agriculture

					Announcement No. 869-12-2007
17	G1105E- 823C	G1105E- 823C-F G1105E- 823C-R	(ROX)CCGAATTAATTCGGCGTTAATTC AATTGATAGATCCCGACATAAAC	203	Ministry of Agriculture and Rural Affairs Announcement No. 323-12-2020
18	GH5112 E-117C	GH5112E- 117C-F GH5112E- 117C-R	(ROX)ACCAGCACCAGGTCCGAGTTGAGA CCCAGGTACATTAAAAACGTCCGC	179	Ministry of Agriculture and Rural Affairs Announcement No. 323-16-2020
19	MIR162	MIR162-F MIR162-R	(FAM)CCCGGGTCTAGACAATTCAGT GCCCAGTAAACAACCTACCACAAG	97	Ministry of Agriculture Announcement No. 2031-6-2013
20	MIR604	MIR604-F MIR604-R	(ROX)TCGCGCGCGGTGTCATCTATG CGCGACACACCTCGTTAGTTAA	142	Ministry of Agriculture Announcement No. 1485-16-2010
21	MON810	MON810-F MON810-R	(FAM)ACCTCGAGATTTACCTGATCCG TGCTGCAGGTGGTCTTACATC	326	Ministry of Agriculture Announcement No. 2122-16-2014
22	MON863	MON863-F MON863-R	(FAM)GCACTCAAAGACCTGGCGAATGA CCATCTTTGGGACCACTGTCTG	411	Ministry of Agriculture Announcement No. 869-10-2007
23	MON874 27	MON87427 MON87427	(FAM)GAAACGGTCGGGTCAAATGTAGAA CGTCGAAATAAAGATTTCCGAATTAGA	291	Ministry of Agriculture Announcement No. 2630-6-2017
24	MON880 17	MON88017-F MON88017-R	(ROX)TTGTCCTGAACCCCTAAAATCC CCCGGACATGAAGCCATTTA	199	Ministry of Agriculture Announcement No. 1485-15-2010

25	MON890 34	MON89034-F MON89034-R	(FAM)GCTGCTACTACTATCAAGCCAATA TGCTTTCGCCTATAAATACGAC	207	Ministry of Agriculture Announcement No. 1861-4-2012
26	T25	T25-F T25-R	(FAM)CAGCGACAATGGCGGAACGACTCAA CCTTTCCTTTATCGCAATGATGGCA	255	Ministry of Agriculture Announcement No. 869-14-2007
27	TC1507	TC1507-F TC1507-R	(FAM)CTTGTGGTGTTTGTGGCTCT TGGCTCCTCCTTCGTATGT	279	Ministry of Agriculture Announcement No. 869-7-2007
28	VCO- 01981-5	VCO-01981- 5-F VCO-01981- 5-R	(ROX)CCACTGAACGTCACCAAGAA CCGTTGCTATACCGTTTGCT	209	Ministry of Agriculture Announcement No. 2630-11-2017
29	SK12-5	SK12-5F SK12-5R	(ROX)CAACGTCGTGACTGGGAAAA TGGAAGACAAGTTCTACGGGCT	256	Ministry of Agriculture Announcement No. 2259-12-2015
30	<i>zSSIb</i>	<i>zSSIb</i> -F <i>zSSIb</i> -R	CTCCCAATCCTTTGACATCTGC (FAM)TCGATTTCTCTCTTGGTGACAGG	151	Ministry of Agriculture Announcement No. 1861-3-2012
31	<i>P-CaMV</i> <i>35S</i>	35S-F 35S-R	(FAM)GCTCCTACAAATGCCATCATTGC GATAGTGGGATTGTGCGTCATCCC	195	Ministry of Agriculture Announcement No. 1782-3-2012
32	<i>T-NOS</i>	NOS-F NOS-R	(FAM)GAATCCTGTTGCCGGTCTTG TTATCCTAGTTTGCGCGCTA	180	Ministry of Agriculture Announcement No. 1782-3-2012
33	<i>pat</i>	<i>pat</i> -F <i>pat</i> -R	(ROX)GAAGGCTAGGAACGCTTACGA CCAAAAACCAACATCATGCCA	262	Ministry of Agriculture Announcement

Table S2. Information on amplified fragments based on capillary electrophoresis

No.	Target	Fluorescent dyes	Target length (bp)	Observed length (bp)	Difference
1	3272	FAM	221	219	-2
2	4114	FAM	296	294	-2
3	5307	ROX	250	250	0
4	59122	FAM	273	271	-2
5	Bt11	ROX	163	165	2
6	Bt176	ROX	270	270	0
7	Bt506	ROX	231	231	0
8	BVLA430101	ROX	152	154	2
9	C0010.1.1	FAM	239	238	-1
10	C0010.1.3	FAM	198	198	0
11	C0010.3.1	ROX	292	292	0
12	C0030.2.5	ROX	296	297	1
13	C0030.3.5	FAM	202	201	-1
14	CC-2	FAM	115	115	0
15	DAS-40278-9	ROX	238	237	-1
16	GA21	ROX	112	113	1
17	G1105E-823C	ROX	203	206	3
18	GH5112E-117C	ROX	179	182	3
19	MIR162	FAM	97	96	-1
20	MIR604	ROX	142	142	0
21	MON810	FAM	326	325	-1
22	MON863	FAM	411	410	-1
23	MON87427	FAM	291	288	-3
24	MON88017	ROX	199	199	0
25	MON89034	FAM	207	204	-3
26	T25	FAM	255	253	-2
27	TC1507	FAM	279	277	-2
28	VCO-01981-5	ROX	209	209	0
29	SK12-5	ROX	256	256	0
30	<i>zSSIb</i>	FAM	151	152	1
31	<i>P-CaMV 35S</i>	FAM	195	193	-2
32	<i>T-nos</i>	FAM	180	180	0
33	<i>pat</i>	ROX	262	264	2