



# CO-EXTRA

GM and non-GM supply chains: their CO-EXistence and TRAcability

Project number: 007158

Integrated project  
Sixth Framework Programme  
Priority 5  
Food Quality and Safety

## ***Deliverable D6.1***

**Title of deliverable:** Compilation of target sequences suitable for inclusion in multiplex GMO screening assays

**Due date of deliverable:** M 11

**Actual submission date:** M 11

**Start date of the project:** April 1<sup>st</sup>, 2005

**Duration:** 48 months

**Organisation name of lead contractor:** National Veterinary Institute NV

**Revision:** I

<b>Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)</b>	
<b>Dissemination Level</b>	
<b>PU</b> Public	<b>PU</b>
<b>PP</b> Restricted to other programme participants (including the Commission Services)	
<b>RE</b> Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b> Confidential, only for members of the consortium (including the Commission Services)	

# 1 Summary

This deliverable is a compilation of target sequences suitable for inclusion in multiplex GMO screening assays (tasks T6.1 – T6.3) in workpackage 6 (WP6) of the Co-Extra project.

The nature of the deliverable is specified as a publicly available report. However, since the compilation will never be complete, and since the quality and supporting information is constantly subject to improvement, the partners of WP6 have decided that the report shall not be published but in stead be made available upon request. This will ensure that the user always receives the most recent and complete version of the compilation, and also provide the WP6 leader with the opportunity to request feedback information from users concerning:

Requests for provisions of new or updated entry information from the users

Feedback on the compilation and its contents, e.g. on usefulness

Information about the users' own activities, e.g. for network building

The format of the compilation is a table with the following structure:

A	B	C	D	E	F	G	H
Entry number*	Sequence*	Descriptor*	Type of element*	Provider of the information*	Date of provision of information*	EMBL/GenBank accession number	Additional information of relevance.

where elements indicated by asterisks are mandatory and other elements are optional.

- A. Entry numbers are running numbers for later reference
- B. Sequence is the specific sequence of the entry
- C. Descriptor is a short description of the sequence, e.g. junction between CaMV 35S promoter and EPSPS gene
- D. Type of element is a single letter code indicating if the entry is a taxon specific (X), vector (V), trait (T), plant-insert junction (J), construct junction (C) or rearranged (R) element. Notably, letters may have to be combined if the entry sequence falls into more than one of the categories.
- E. Provider of the information is the name of the person and organisation who contributed the entry and may be amended by the name of the person and organisation who eventually updated the information concerning the entry.
- F. Date of provision of information is the date corresponding to the name in the previous column.
- G. EMBL/GenBank accession number shall be included if available.
- H. Additional information of relevance shall only be included if sufficiently relevant. This could e.g. be details on the quality of the entry, names of specific GMOs containing the sequence, references to publications reporting on the entry sequence or methods targeting the sequence (with e.g. PCR primer sequences).

Notably, the entries in the compilation are sometimes several thousand bases long, and inclusion of the sequences in the present report would produce a document consisting of several hundred pages of nucleotide sequence, which would not really be at any use for the readers. Consequently, the reader is referred to the table on the following pages to review the contents of the compilation, and to the WP leader, for the Excel file containing the latest electronic version of the compilation.

The purpose of this deliverable is primarily to give the WP partners an overview and to facilitate sharing of sequence information, but also to initiate relevant discussions and actions to ensure the availability and appropriateness of sequence information to be used in the WP6 activities. The deliverable also serves to help the WP6 leader, the Co-Extra executive committee, management board and the European Commission in the monitoring of progress.

February 28<sup>th</sup> 2006



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Fax +47 2321 6202

## 2 Entries in sequence information compilation per February 28<sup>th</sup> 2006

1	Binary vector pBin19 35S attR-YFP	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995145	Cloning vector containing (parts of) the CaMV 35S promotor
2	Binary vector pBin19 35S YFP-attR	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995144	Cloning vector containing (parts of) the CaMV 35S promotor
3	Binary vector pPZP 35S attR-hRluc	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995143	Cloning vector containing (parts of) the CaMV 35S promotor
4	Binary vector pPZP 35S hRluc-attR	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995142	Cloning vector containing (parts of) the CaMV 35S promotor
5	Cloning vector pBS 35S attR-YFP	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995141	Cloning vector containing (parts of) the CaMV 35S promotor
6	Cloning vector pBS 35S attR-hRluc	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995140	Cloning vector containing (parts of) the CaMV 35S promotor
7	Cloning vector pBS 35S attR-Rluc	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995139	Cloning vector containing (parts of) the CaMV 35S promotor
8	Cloning vector pBS 35S hRluc-attR	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995138	Cloning vector containing (parts of) the CaMV 35S promotor
9	Cloning vector pBS 35S YFP-attR	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995137	Cloning vector containing (parts of) the CaMV 35S promotor
10	Cloning vector pBS 35S Rluc-attR	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY995136	Cloning vector containing (parts of) the CaMV 35S promotor
11	Cloning vector pRGK336	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY739898	Cloning vector containing (parts of) the CaMV 35S promotor

Co-Extra – Deliverable D 6.1 rev I

12	Cloning vector pRGK335	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AY739897	Cloning vector containing (parts of) the CaMV 35S promotor
13	Binary vector pINDEX3	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF294982	Cloning vector containing (parts of) the CaMV 35S promotor
14	Binary vector pINDEX4	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF294981	Cloning vector containing (parts of) the CaMV 35S promotor
15	Binary vector pINDEX2	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF294980	Cloning vector containing (parts of) the CaMV 35S promotor
16	Binary vector pINDEX1	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF294979	Cloning vector containing (parts of) the CaMV 35S promotor
17	Cloning vector pC1300intC	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF294978	Cloning vector containing (parts of) the CaMV 35S promotor
18	Cloning vector pC1300intB	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF294977	Cloning vector containing (parts of) the CaMV 35S promotor
19	Cloning vector pC1300intA	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF294976	Cloning vector containing (parts of) the CaMV 35S promotor
20	Binary vector pCAMBIA-2301	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234316	Cloning vector containing (parts of) the CaMV 35S promotor
21	Binary vector pCAMBIA-2300	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234315	Cloning vector containing (parts of) the CaMV 35S promotor
22	Binary vector pCAMBIA-2201	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234314	Cloning vector containing (parts of) the CaMV 35S promotor
23	Binary vector pCAMBIA-2200	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234313	Cloning vector containing (parts of) the CaMV 35S promotor

Co-Extra – Deliverable D 6.1 rev I

24	Binary vector pCAMBIA-1391Z	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234312	Cloning vector containing (parts of) the CaMV 35S promotor
25	Binary vector pCAMBIA-1391Xc	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234311	Cloning vector containing (parts of) the CaMV 35S promotor
26	Binary vector pCAMBIA-1391Xb	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234310	Cloning vector containing (parts of) the CaMV 35S promotor
27	Binary vector pCAMBIA-1391Xa	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234309	Cloning vector containing (parts of) the CaMV 35S promotor
28	Binary vector pCAMBIA-1391	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234308	Cloning vector containing (parts of) the CaMV 35S promotor
29	Binary vector pCAMBIA-1390	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234307	Cloning vector containing (parts of) the CaMV 35S promotor
30	Binary vector pCAMBIA-1381Z	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234306	Cloning vector containing (parts of) the CaMV 35S promotor
31	Binary vector pCAMBIA-1381Xc	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234305	Cloning vector containing (parts of) the CaMV 35S promotor
32	Binary vector pCAMBIA-1381Xb	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234304	Cloning vector containing (parts of) the CaMV 35S promotor
33	Binary vector pCAMBIA-1381Xa	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234303	Cloning vector containing (parts of) the CaMV 35S promotor
34	Binary vector pCAMBIA-1381	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234302	Cloning vector containing (parts of) the CaMV 35S promotor
35	Binary vector pCAMBIA-1380	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234301	Cloning vector containing (parts of) the CaMV 35S promotor

Co-Extra – Deliverable D 6.1 rev I

36	Binary vector pCAMBIA-1304	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234300	Cloning vector containing (parts of) the CaMV 35S promotor
37	Binary vector pCAMBIA-1303	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234299	Cloning vector containing (parts of) the CaMV 35S promotor
38	Binary vector pCAMBIA-1302	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234298	Cloning vector containing (parts of) the CaMV 35S promotor
39	Binary vector pCAMBIA-1301	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234297	Cloning vector containing (parts of) the CaMV 35S promotor
40	Binary vector pCAMBIA-1300	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234296	Cloning vector containing (parts of) the CaMV 35S promotor
41	Binary vector pCAMBIA-1291Z	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234295	Cloning vector containing (parts of) the CaMV 35S promotor
42	Binary vector pCAMBIA-1281Z	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234294	Cloning vector containing (parts of) the CaMV 35S promotor
43	Binary vector pCAMBIA-1201	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234293	Cloning vector containing (parts of) the CaMV 35S promotor
44	Binary vector pCAMBIA-1200	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF234292	Cloning vector containing (parts of) the CaMV 35S promotor
45	Cloning vector pRGK337	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AY739899	Cloning vector containing (parts of) the CaMV 35S promotor
46	Binary vector pCAMBIA-1305.2	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF354046	Cloning vector containing (parts of) the CaMV 35S promotor
47	Binary vector pCAMBIA-1305.1	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF354045	Cloning vector containing (parts of) the CaMV 35S promotor

## Co-Extra – Deliverable D 6.1 rev I

48	Cloning vector pC1300intB-35SnosBK	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY560326	Cloning vector containing (parts of) the CaMV 35S promotor
49	Cloning vector pC1300intB-35SnosEX	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY560325	Cloning vector containing (parts of) the CaMV 35S promotor
50	Binary vector pGA1611	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY373338	Cloning vector containing (parts of) the CaMV 35S promotor
51	Binary vector pGA643	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY804024	Cloning vector containing (parts of) the CaMV 35S promotor
52	Cloning vector pPLEX-5033	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY225224	Cloning vector containing (parts of) the CaMV 35S promotor
53	Cloning vector pPLEX-5031	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY225223	Cloning vector containing (parts of) the CaMV 35S promotor
54	Cloning vector pPLEX-5023	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY225222	Cloning vector containing (parts of) the CaMV 35S promotor
55	Cloning vector pPLEX-5021	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY225221	Cloning vector containing (parts of) the CaMV 35S promotor
56	Cloning vector pPLEX-5013	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY225220	Cloning vector containing (parts of) the CaMV 35S promotor
57	Cloning vector pPLEX-5011	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY225219	Cloning vector containing (parts of) the CaMV 35S promotor
58	Cloning vector pPLEX-5003	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY225218	Cloning vector containing (parts of) the CaMV 35S promotor
59	Cloning vector pPLEX-5001	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY225217	Cloning vector containing (parts of) the CaMV 35S promotor



Co-Extra – Deliverable D 6.1 rev I

60	T-DNA vector pDs-Lox	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY836546	Cloning vector containing (parts of) the CaMV 35S promotor
61	Cloning vector pFGC1008	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY310333	Cloning vector containing (parts of) the CaMV 35S promotor
62	Binary vector pCLD04541	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF184978	Cloning vector containing (parts of) the CaMV 35S promotor
63	Cloning vector pAGRIKOLA	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY568055	Cloning vector containing (parts of) the CaMV 35S promotor
64	Cloning vector pMCG161	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY572837	Cloning vector containing (parts of) the CaMV 35S promotor
65	Reporter vector pGSA1370	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY553053	Cloning vector containing (parts of) the CaMV 35S promotor
66	Binary vector pRE1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY456904	Cloning vector containing (parts of) the CaMV 35S promotor
67	Binary vector pLH7500	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY234331	Cloning vector containing (parts of) the CaMV 35S promotor
68	Binary vector pLH7000	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY234330	Cloning vector containing (parts of) the CaMV 35S promotor
69	Binary vector pLH6500	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY234329	Cloning vector containing (parts of) the CaMV 35S promotor
70	Binary vector pLH6000	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY234328	Cloning vector containing (parts of) the CaMV 35S promotor
71	Binary vector pLH5000	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY234327	Cloning vector containing (parts of) the CaMV 35S promotor

Co-Extra – Deliverable D 6.1 rev I

72	Binary vector pLH9500	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF458479	Cloning vector containing (parts of) the CaMV 35S promotor
73	Binary vector pLH9000	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF458478	Cloning vector containing (parts of) the CaMV 35S promotor
74	Binary vector pAMPAT-MCS	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AY436765	Cloning vector containing (parts of) the CaMV 35S promotor
75	Binary vector pJawohl8-RNAi	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF408413	Cloning vector containing (parts of) the CaMV 35S promotor
76	Binary vector pJawohl3-RNAi	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF404854	Cloning vector containing (parts of) the CaMV 35S promotor
77	Cloning vector pEGAD	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AF218816	Cloning vector containing (parts of) the CaMV 35S promotor
78	Cloning vector p713-1160	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	DQ062658	Cloning vector containing (parts of) the CaMV 35S promotor
79	Cloning vector pSAT6-Citrine-C1	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AY819771	Cloning vector containing (parts of) the CaMV 35S promotor
80	Cloning vector pSAT7-EGFP-C1	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AY818384	Cloning vector containing (parts of) the CaMV 35S promotor
81	Cloning vector pSAT6-MCS	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AY818383	Cloning vector containing (parts of) the CaMV 35S promotor
82	Cloning vector pSAT6-EGFP-N1	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AY818382	Cloning vector containing (parts of) the CaMV 35S promotor
83	Cloning vector pSAT6-ECFP-N1	V	Torstein Tengs (torstein.tengs@vetinst. no) NVI	060223	AY818381	Cloning vector containing (parts of) the CaMV 35S promotor

Co-Extra – Deliverable D 6.1 rev I

84	Cloning vector pSAT6-EYFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818380	Cloning vector containing (parts of) the CaMV 35S promotor
85	Cloning vector pSAT6-EYFP-N1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818378	Cloning vector containing (parts of) the CaMV 35S promotor
86	Cloning vector pSAT6-EGFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818377	Cloning vector containing (parts of) the CaMV 35S promotor
87	Cloning vector pSAT6-DsRed2-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818375	Cloning vector containing (parts of) the CaMV 35S promotor
88	Cloning vector pSAT6-ECFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818374	Cloning vector containing (parts of) the CaMV 35S promotor
89	Cloning vector pSAT6-DsRed2-N1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818373	Cloning vector containing (parts of) the CaMV 35S promotor
90	Cloning vector pSAT6-Citrine-N1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818369	Cloning vector containing (parts of) the CaMV 35S promotor
91	Cloning vector pSAT5-EGFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818368	Cloning vector containing (parts of) the CaMV 35S promotor
92	Cloning vector pSAT4-EGFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818367	Cloning vector containing (parts of) the CaMV 35S promotor
93	Cloning vector pSAT3-EGFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818366	Cloning vector containing (parts of) the CaMV 35S promotor
94	Cloning vector pSAT2-EGFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818365	Cloning vector containing (parts of) the CaMV 35S promotor
95	Cloning vector pSAT1-EGFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818363	Cloning vector containing (parts of) the CaMV 35S promotor

Co-Extra – Deliverable D 6.1 rev I

96	Expression vector pBS-35S-YFP-Ala	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY189985	Cloning vector containing (parts of) the CaMV 35S promotor
97	Expression vector pBS-35S-Ala-YFP	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY189984	Cloning vector containing (parts of) the CaMV 35S promotor
98	Expression vector pBS-35S-Rluc-Ala	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY189983	Cloning vector containing (parts of) the CaMV 35S promotor
99	Expression vector pBS-35S-Ala-Rluc	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY189982	Cloning vector containing (parts of) the CaMV 35S promotor
100	Cloning vector pAVA319	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF078810	Cloning vector containing (parts of) the CaMV 35S promotor
101	Expression vector pBS-35S-YFP	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY189981	Cloning vector containing (parts of) the CaMV 35S promotor
102	Expression vector pBS-35S-Rluc	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY189980	Cloning vector containing (parts of) the CaMV 35S promotor
103	Transformation vector pgR106	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY297843	Cloning vector containing (parts of) the CaMV 35S promotor
104	Transformation vector pgR107	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY297842	Cloning vector containing (parts of) the CaMV 35S promotor
105	Binary vector pBI121	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF485783	Cloning vector containing (parts of) the CaMV 35S promotor
106	Cloning vector pZGA22	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY456412	Cloning vector containing (parts of) the CaMV 35S promotor
107	Cloning vector p35S-GFP	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U28417	Cloning vector containing (parts of) the CaMV 35S promotor

Co-Extra – Deliverable D 6.1 rev I

108	Cloning vector pAJ1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY218787	Cloning vector containing (parts of) the CaMV 35S promotor
109	Expression vector pKEx4tr	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF044029	Cloning vector containing (parts of) the CaMV 35S promotor
110	Cloning vector p713-1511	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY860535	Cloning vector containing (parts of) the CaMV 35S promotor
111	Cloning vector p713-947	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY860534	Cloning vector containing (parts of) the CaMV 35S promotor
112	Cloning vector p713-905	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY860533	Cloning vector containing (parts of) the CaMV 35S promotor
113	Cloning vector pRD29A-GFP	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	DQ071886	Cloning vector containing (parts of) the CaMV 35S promotor
114	Cloning vector pRD29A-GUS	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	DQ071887	Cloning vector containing (parts of) the CaMV 35S promotor
115	Cloning vector pADIS1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY529717	Cloning vector containing (parts of) the CaMV 35S promotor
116	Cloning vector pGABI1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY529716	Cloning vector containing (parts of) the CaMV 35S promotor
117	Cloning vector pWS31	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF433042	Cloning vector containing (parts of) the CaMV 35S promotor
118	Cloning vector pGV4112 DNA	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ414113	Cloning vector containing (parts of) the CaMV 35S promotor
119	Cloning vector pGV1025 DNA	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ414112	Cloning vector containing (parts of) the CaMV 35S promotor

## Co-Extra – Deliverable D 6.1 rev I

120	Binary vector pGV4223 DNA region between right and left T-DNA border and LECASAL gene	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ414111	Cloning vector containing (parts of) the CaMV 35S promotor
121	Binary vector pGV4128 DNA region between right and left T-DNA border and LECASAI gene	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ414110	Cloning vector containing (parts of) the CaMV 35S promotor
122	Binary vector pGV4126 DNA region between right and left T-DNA border and LECASAI gene	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ414109	Cloning vector containing (parts of) the CaMV 35S promotor
123	Phosphinothricin resistance plant expression vector pSAT6-bar	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818376	Cloning vector containing (parts of) the CaMV 35S promotor
124	Kanamycin resistance plant expression vector pSAT4-nptII	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818371	Cloning vector containing (parts of) the CaMV 35S promotor
125	Hygromycin resistance plant expression vector pSAT1-hpt	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818364	Cloning vector containing (parts of) the CaMV 35S promotor
126	Transfection vector pBTdest	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ551314	Cloning vector containing (parts of) the CaMV 35S promotor
127	Cloning vector pHELLSGATE	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ311874	Cloning vector containing (parts of) the CaMV 35S promotor

## Co-Extra – Deliverable D 6.1 rev I

128	Binary vector pGV4945 kanamycin resistance and ribosome-inactivating protein genes complete cds	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY141042	Cloning vector containing (parts of) the CaMV 35S promotor
129	Binary vector pGV4939 kanamycin resistance protein and ribosome-inactivating protein genes complete cds	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY147202	Cloning vector containing (parts of) the CaMV 35S promotor
130	Synthetic construct plasmid pAC106	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ537513	Cloning vector containing (parts of) the CaMV 35S promotor
131	Synthetic construct plasmid pAC161	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ537514	Cloning vector containing (parts of) the CaMV 35S promotor
132	Binary Cloning vector pAC161	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ315956	Cloning vector containing (parts of) the CaMV 35S promotor
133	Cloning vector pUC19-35S-FLAG-RBS partial sequence	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	DQ077692	Cloning vector containing (parts of) the CaMV 35S promotor
134	Transformation binary vector pBAR-35S T-DNA region	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ251014	Cloning vector containing (parts of) the CaMV 35S promotor
135	Transient expression vector pBI221	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF502128	Cloning vector containing (parts of) the CaMV 35S promotor
136	Plant expression vector pER8	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF309825	Cloning vector containing (parts of) the CaMV 35S promotor

## Co-Extra – Deliverable D 6.1 rev I

137	Gene trapping vector pEU334AN	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY488510	Cloning vector containing (parts of) the CaMV 35S promotor
138	Gene trapping vector pEU334bn	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY488511	Cloning vector containing (parts of) the CaMV 35S promotor
139	Binary vector pFGC5941 phosphinothricin acetyl transferase (BAR) and aminoglycoside phosphotransferase (aadA) genes complete cds	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY310901	Cloning vector containing (parts of) the CaMV 35S promotor
140	Binary cloning vector pPZP111 for plant transformation	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U10487	Cloning vector containing (parts of) the CaMV 35S promotor
141	Binary cloning vector pPZP112 for plant transformation	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U10458	Cloning vector containing (parts of) the CaMV 35S promotor
142	Binary cloning vector pPZP121 for plant transformation	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U10488	Cloning vector containing (parts of) the CaMV 35S promotor
143	Binary cloning vector pPZP122 for plant transformation	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U10459	Cloning vector containing (parts of) the CaMV 35S promotor
144	Binary cloning vector pPZP211 for plant transformation	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U10490	Cloning vector containing (parts of) the CaMV 35S promotor



## Co-Extra – Deliverable D 6.1 rev I

145	Binary cloning vector pPZP212 for plant transformation	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U10462	Cloning vector containing (parts of) the CaMV 35S promotor
146	Binary cloning vector pPZP221 for plant transformation	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U10491	Cloning vector containing (parts of) the CaMV 35S promotor
147	Binary cloning vector pPZP222 for plant transformation	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	U10463	Cloning vector containing (parts of) the CaMV 35S promotor
148	Gateway destination plasmid pSAT6-DEST-EGFP-C1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818372	Cloning vector containing (parts of) the CaMV 35S promotor
149	Gateway destination plasmid pSAT6-DEST-EGFP-N1	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818370	Cloning vector containing (parts of) the CaMV 35S promotor
150	Gateway destination plasmid pSAT6-NP-DEST-EGFP	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY818379	Cloning vector containing (parts of) the CaMV 35S promotor
151	Plant binary vector pXCS-HAStrep	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY457636	Cloning vector containing (parts of) the CaMV 35S promotor
152	Tobacco rattle virus RNA2-based VIGS vector pTRV2	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF406991	Cloning vector containing (parts of) the CaMV 35S promotor
153	Cloning vector pSLJ8313 T-DNA region	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	Y18556	Cloning vector containing (parts of) the CaMV 35S promotor
154	Expression vector pBI121_pro T-DNA region complete sequence	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY781296	Cloning vector containing (parts of) the CaMV 35S promotor

## Co-Extra – Deliverable D 6.1 rev I

155	Cloning vector pSB4 tetR tetA hygromycin resistance genes with Agrobacterium tumefaciens DNA insert	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AB027254	Cloning vector containing (parts of) the CaMV 35S promotor
156	Cloning vector pHANNIBAL	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ311872	Cloning vector containing (parts of) the CaMV 35S promotor
157	Cloning vector pKANNIBAL	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AJ311873	Cloning vector containing (parts of) the CaMV 35S promotor
158	N-terminal TAPa T-DNA vector pN-TAPa	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY788908	Cloning vector containing (parts of) the CaMV 35S promotor
159	C-terminal TAP T-DNA vector pYL436	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AY737283	Cloning vector containing (parts of) the CaMV 35S promotor
160	Plant DNA excision vector pX6-GFP	V	Torstein Tengs (torstein.tengs@vetinst.no) NVI	060223	AF330636	Cloning vector containing (parts of) the CaMV 35S promotor
161	plant/5'-end truncated P35S junction in T25	R J	Dany Morisset (dany.morisset@nib.si) NIB	060220		Collonnier et al, 2005 J urnal of AOAC Int.
162		T	Dany Morisset (dany.morisset@nib.si) NIB	060220		Collonnier et al, 2005 Journal of AOAC Int. Deduced from description in article.
163	plant/5'-end P35S junction in Mon863	J	Dany Morisset (dany.morisset@nib.si) NIB	060220		Yang et al, 2005, J. Agric. Food Chem.
164	plant/5'-end P35S junction in Mon810	J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AF434709	Holck et al, 2002, Eur Food Res Technol
165	plant/5'-end P35S junction in RRS	J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AJ308514	Windels et al, 2001, Eur Food Res Technol. Reverse complement sequence

Co-Extra – Deliverable D 6.1 rev I

166	plant/3'-end pat-TNos junction in Bt11	J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AY123624	Ronning et al, 2003, Eur Food Res Technol
167	plant/3'-end Bar junction in Bt176	J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AJ878607	Tavernier et al, 2005. J. Agric. Food Chem.
168	plant/3'-end CryIA (b) junction in Mon810	R J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AF490398	Hernandez et al, 2003. Transgenic Res.
169	plant/3'-end Tnos-rearranged DNA junction in RRS	R J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AJ308515	Windels et al, 2001, Eur Food Res Technol.
170	plant/3'-end Tnos junction in CBH-351 insertion 1	J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AJ506040	Windels et al, 2003, Eur Food Res Technol.
171	plant/3'-end Tnos junction in CBH-351 insertion 2	J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AJ506041	Windels et al, 2003, Eur Food Res Technol.
172	actin promotor/mEPSPS gene junction region: internal rearrangement in GA21	R	Dany Morisset (dany.morisset@nib.si) NIB	060220	AJ878608	Tavernier et al, 2005. J. Agric. Food Chem.
173	plant/3'-end pTi15955 plasmid-junction in GT73	J	Dany Morisset (dany.morisset@nib.si) NIB	060220	AJ878609	Tavernier et al, 2005. J. Agric. Food Chem.
174	Maize Mon810 event 5'-flanking + full insert + 3'-flanking sequences	J C	Maria Pla (maria.pla@udg.es) CSIC	060220	AF490398	Nucleotides 1-29: genomic 5' flanking; 30-357: 35S promoter; 352-1167: HSP70 intron; 1163-3611: truncated CryIAb; 3612-4209: genomic 3' flanking
175	Maize GA21 event TNOS + plasmid + rice actin promoter	R V	Maria Pla (maria.pla@udg.es) CSIC	060220	AY255709	Nucleotides 1-113: NOS terminator; 114-167: plasmid and polylinker; 168-273: rice actin promoter

## Co-Extra – Deliverable D 6.1 rev I

176	Maize TC1507 5' flanking sequence and promoter	R J	Maria Pla (maria.pla@udg.es) CSIC	060220	AM182233	Nucleotides 1-126: partial seq of Cry1F; 127-468: fragment of chloroplast genome; 469-668: fragment of phosphinotricin-acetyltransferase II; 669-806: fragment of phosphinotricin-acetyltransferase II (complement); 807-821: fragment of Cry1F; 822-855 polylinker; 856-940 fragment of UbilZM promoter; 941-1986 UbilZM promoter; 1987-2013 part of UbilZM intron
177	Rapeseed BnACCg8 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	X77576	forward primer: 5'-GGTGAGCTGTATAATCGAGCGA-3'; reverse primer: 5'-GGCGCAGCATCGGCT-3'; probe 5'-AACACCTATTAGACATTTCGTTCCATTGGTCGA-3' Hernandez et al. J Agric Food Chem. (2001) 49,3622
178	Tomato MCPI gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	X59282	Forward primer 5'- TTG CTG CTC AAG ATG TGA TGG -3' Reverse primer 5'- ACG TAC CAC CAG AAC AAT CGT CT -3' probe 5'- TTC AGC AAT ATG ATC CAG TTT GTC ACA AAC CTT G -3' Hernandez et al. J. Food Protect. (2003) 66,1063
179	Potato PCI gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	AF060551	Forward primer 5'-TGA CAA TTC ATT CTA CTC CAC GAA A-3' Reverse primer 5'- TGT TAC AAA TTG GAT CTG CGT GTT -3' probe 5'- TGT TCT ACC AAC GGT GAC GAA ACT TTT TCA G -3' Hernandez et al. J. Food Protect. (2003) 66,1063
180	Barley g-hordein gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	M36378	Forward primer 5'-AGACAAGGCG TGCAGATCG-3' Reverse primer 5'-GACCCTGGACGAGCACACAT-3' probe 5'-CCTCAGCCGC AACAGGTGGG TC-3' Hernández et al. J. Agric. Food Chem. (2005) 53,7003

## Co-Extra – Deliverable D 6.1 rev I

181	Rice gos9 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	X51909	Forward primer 5'-TTAGCCTCCC GCTGCAGA-3' Reverse primer 5'-AGAGTCCACAAGTGCTCCCG - 3' probe 5'-C GGCAGTGTGG TTGGTTCTT CGG- 3' Hernández et al. J. Agric. Food Chem. (2005) 53,7003
182	Sunflower 11S storage protein gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	M28832	Forward primer 5'-CTCGAGCACCTCCGGCT-3' Reverse primer 5'-GGATTGGATGGCATTCGG-3' probe 5'- AGCGTGGAAAGAGGCGAACTCCG-3' Hernández et al. J. Agric. Food Chem. (2005) 53,7003
183	Wheat acetyl-CoA carboxylase gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	AF029895	Forward primer 5'-TGCCCATTTGTCGGCCTTA-3' Reverse primer 5'-GGGCAGATGGTTGGAATGC-3' probe 5'- TGCCTCGACAACACCATCGCTATCCACTATT -3' Hernández et al. J. Agric. Food Chem. (2005) 53,7003
184	Maize ivr1 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	U16123	Forward primer 5'- CGCTCTGTACAAGCGTGC-3' Reverse primer 5'-GCAAAGTGTGTGCTTGGACC- 3' Probe 5'- CACGTGAGAATTTCCGTCTACTCGAGCCT-3' Hernandez et al. J Agric Food Chem. 2004 Jul 28;52(15):4632-7
185	Maize adh1 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	X04050	Forward primer 5'- CGTCGTTTCCCATCTCTTCCTCCT-3' Reverse primer 5'-CCACTCCGAGACCCTCAGTC-3' probe 5'-AATCAGGGCTCATTTTCTCGCTCCTCA-3' Hernandez et al. J Agric Food Chem. 2004 Jul 28;52(15):4632-7
186	Maize hmga gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	AJ131373	Forward primer 5'- TGGACTAGAAATCTCGTGTGA-3' Reverse primer 5'-GCTACATAGGGAGCCTTGTCTT-3' Probe 5'- CAATCCACACAAACGCACGCGTA-3' Hernandez et al. J Agric Food Chem. 2004 Jul 28;52(15):4632-7

Co-Extra – Deliverable D 6.1 rev I

187	Maize 10 kDa zein gene	X	Maria Pla (maria.pla@udg.es) CSIC	060220	X07535	Forward primer 5'-GCCATTGGGTACCATGAACC-3' Reverse primer 5'-AGGCCAACAGTTGCTGCAG-3' probe 5'-AGCTTGATGGCGTGTCCGTCCCT-3' Hernandez et al. J Agric Food Chem. 2004 Jul 28;52(15):4632-7
188	rapeseed HMG/IY gene	X	Maria Pla (maria.pla@udg.es) CSIC	060222		Weng H, Yang L, Liu Z, Ding J, Pan A, Zhang D. "Novel reference gene, High-mobility-group protein I/Y, used in qualitative and real-time quantitative polymerase chain reaction detection of transgenic rapeseed cultivars." J AOAC Int. 2005 Mar-Apr;88(2):577-84.
189	rice SPS gene	X	Maria Pla (maria.pla@udg.es) CSIC	060222		forward primer: 5'- TTGCGCCTGAACGGATAT -3'; reverse primer: 5'-CGGTTGATCTTTTCGGGATG -3'; probe: 5'-GACGCACGGACGGCTCGGA -3' Ding J, Jia J, Yang L, Wen H, Zhang C, Liu W, Zhang D. "Validation of a rice specific gene, sucrose phosphate synthase, used as the endogenous reference gene for qualitative and real-time quantitative PCR detection of transgenes." J Agric Food Chem. 2004 Jun 2;52(11):3372-7
190	Cotton Sad1 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060222		Yang L, Chen J, Huang C, Liu Y, Jia S, Pan L, Zhang D. "Validation of a cotton-specific gene, Sad1, used as an endogenous reference gene in qualitative and real-time quantitative PCR detection of transgenic cottons." Plant Cell Rep. 2005 Jun;24(4):237-45. Epub 2005 Feb 22.

Co-Extra – Deliverable D 6.1 rev I

191	tomato LAT52 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060222		forward primer: 5'-AGACCACGAGAACGATATTTGC -3'; reverse primer: 5'- TTCTTGCCTTTTCATATCCAGACA -3'; probe: 5'- CTCTTGCAGTCCTCCCTGGGCT -3' Yang L, Pan A, Jia J, Ding J, Chen J, Cheng H, Zhang C, Zhang D. "Validation of a tomato-specific gene, LAT52, used as an endogenous reference gene in qualitative and real-time quantitative PCR detection of transgenic tomatoes." J Agric Food Chem. 2005 Jan 26;53(2):183-90.
192	common wheat waxy-D1 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060222		forward primer: 5'- GTCGCGGGAACAGAGGTGT -3'; reverse primer: 5'- GGTGTTCTCCATTGCGAAA -3'; probe: 5'- CAAGGCGCCGAAATAAGTTGCC -3' Iida M, Yamashiro S, Yamakawa H, Hayakawa K, Kuribara H, Kodama T, Furui S, Akiyama H, Maitani T, Hino A. "Development of taxon-specific sequences of common wheat for the detection of genetically modified wheat." J Agric Food Chem. 2005 Aug 10;53(16):6294-300.
193	wheat PKABA1 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060222	M94726	forward primer: 5'-CAAGTATGTCATAGAGATTTGAA-3'; reverse primer: 5'-GTAACCGAAGTCACAAATCT-3'; probe: 5'- FAM-TCGCACCTCGGCT-MGBNFQ-3 Ronning SB, Berdal KG, Andersen CB, Holst-Jensen A. "Novel reference gene, PKABA1, used in a duplex real-time polymerase chain reaction for detection and quantitation of wheat- and barley-derived DNA." J Agric Food Chem. 2006 Feb 8;54(3):682-7

## Co-Extra – Deliverable D 6.1 rev I

194	barley PKABA1 gene	X	Maria Pla (maria.pla@udg.es) CSIC	060223	AB058924	forward primer: 5'-CAAGTATGTCATAGAGATTTGAA-3'; reverse primer: 5'-GTAACCGAAGTCACAAATCT-3'; probe: 5'-VIC-TCGCTCCTCGACTC-MGBNFQ-3' Ronning SB, Berdal KG, Andersen CB, Holst-Jensen A. "Novel reference gene, PKABA1, used in a duplex real-time polymerase chain reaction for detection and quantitation of wheat- and barley-derived DNA." J Agric Food Chem. 2006 Feb 8;54(3):682-8
195	maize zSSIIb gene	X	Maria Pla (maria.pla@udg.es) CSIC	060222		forward primer: 5'-CGGTGGATGCTAAGGCTGATG -3'; reverse primer: 5'- AAAGGGCCAGGTTTATTATCCTC -3'; probe: 5'- TAAGGAGCACTCGCCGCCGATCTG -3' Yang L, Xu S, Pan A, Yin C, Zhang K, Wang Z, Zhou Z, Zhang D. "Event specific qualitative and quantitative polymerase chain reaction detection of genetically modified MON863 maize based on the 5'-transgene integration sequence" J Agric Food Chem. 2005 Nov 30;53(24):9312-8.
196	rapeseed PEP gene	X	Maria Pla (maria.pla@udg.es) CSIC	060222		forward primer: 5'-CAGTTCTTGGAGCCGCTTGAG -3'; reverse primer: 5'- TGACGGATGTCGAGCTTCACA -3'; probe: 5'- ACAGACCTACAGCCGATGGAAGCCTGC -3' Reinhard Zeitler, Klaus Pietsch, Hans-Ulrich Waiblinger. "Validation of real-time PCR methods for the quantification of transgenic contaminations in rape seed" Eur Food Res Technol (2002) 214:346-351
197	pUC19	V	Dörte Wulff (d.wulff@genescan.com) GeneScan	060221	M77789	pUC19 derivatives were frequently used for transformation of monocot plants such as LibertyLink™-Corn (T25, T24) or Bt-Xtra



Co-Extra – Deliverable D 6.1 rev I

198	pBR322	V	Dörte Wulff (d.wulff@genescan.com) GeneScan	060221	J01749	pBR322 was chosen as a vector containing the ColE1 origin of replication and an additional tetracycline marker-gene. pBR322 derivatives are described as transformation plasmids in several patents (e.g. US patent 5,595,733
199	pBluescript	V	Dörte Wulff (d.wulff@genescan.com) GeneScan	060221	X52325	pBluescript derivatives were frequently used for transformation of monocot plants such as Bt176 or GA21
200	pACYC184	V	Dörte Wulff (d.wulff@genescan.com) GeneScan	060221	X06403	pACYC184 was analysed as an example for a low copy plasmid containing the p15A origin of replication
201	pSC101	V	Dörte Wulff (d.wulff@genescan.com) GeneScan	060221	X01654	pSC101 was analysed as an example for a low copy plasmid containing the p15A origin of replication
202	pK18	V	Dörte Wulff (d.wulff@genescan.com) GeneScan	060221	M17626	pK18 is homologous to a Monsanto plasmid (pMON30464) and was used as an example for a ColE1-plasmid with nptII marker gene
203	pRK310	V	Dörte Wulff (d.wulff@genescan.com) GeneScan	060221	AF327712	pRK310 was analysed as a plasmide with a broad host range
204	35S - CP4 EPSPS - nos	C	Dörte Wulff (d.wulff@genescan.com) GeneScan	060223	AB209952	RR soybean (GTS 40-3-2)
205	lectin Lel1 (soybean)	X	Dörte Wulff (d.wulff@genescan.com) GeneScan	060223	K00821 M30884	
206	plant-35S junction	J	Dörte Wulff (d.wulff@genescan.com) GeneScan	060223	AJ308514	RR soybean (GTS 40-3-2) 1 sequence deviation from AB209952 (nt 115)
207	nos 3' UTR - plant junction	J	Dörte Wulff (d.wulff@genescan.com) GeneScan	060223	AJ308515	RR soybean (GTS 40-3-2) 1 sequence deviation from AB209952 (nt 2406)

Co-Extra – Deliverable D 6.1 rev I

208	Junction between maize genome and partial cauliflower mosaic virus promoter insert sequence in Mon810 maize	J	Askild Holck (askild.holck@matforsk.no) Matforsk	23-02-2006	AF434709	Holck, A et al 2002 Eur Food Res Technol 214, 449-453, 5'-nuclease system and qualitative primers described. "1-927 synthetic construct, transgenic Zea mays; event Mon810", source 1-803 Zea mays misc_feature 356-797 /note="similar to Zea Mays 22 kDa alpha Zein gene cluster found in GenBank Accession Number AF090447" misc_feature 804-927 /note="similar to Cauliflower mosaic virus sequence: GenBank Accession Number V00141"
209	Bar gene	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221		RF3
210	Pat gene	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221		T45
211	junction between cotton genome and partial cry1Ac insert sequence	T J	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221	AX600170	Flanking cotton ( <i>Gossypium hirsutum</i> ) genome + partial cry1Ac insert sequence (event 531)
212	CryIAb	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221		Bt11
213	CryIAb	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221		Bt176
214	CryIAb	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221		Mon810
215	Maize TC1507 Insert including Cry1F	T V	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060222	CQ945863	DNA molecule used to transform maize line TC1507 ([P-ubiZM1][Cry1F][T-ORF25][P-35s][Pat][T-35s])
216	EPSPS	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221	AF464188	Glycine max CP4EPSPS gene, complete cds

Co-Extra – Deliverable D 6.1 rev I

217	EPSPS	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221	X63374	GA21, Z.mays mRNA for EPSP-synthase
218	EPSPS	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221	AY125353	RRS, Synthetic construct CP4EPSPS protein (CP4EPSPS) gene
219	EPSPS	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060221	CQ868456	Monsanto patent : Glyphosate resistant class i 5-enolpyruvylshikimate-3-phosphate synthase
220	BXN	T C	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060222		Part of Oxy 235 insert (Part of P-35s - Rubisco Gene Enhancer - BXN Gene)
221	nptII gene	T	Sandrine Hamels (hamels.s@eppendorf.be) EAT	060222	AJ311874	Kanamycin resistance gene
222	junction between rice Act promoter and maize genomic DNA	J	Arne Holst-Jensen (arne.holst-jensen@vetinst.no) NVI	060228	AX342368	NK603 event specific junction = Sequence 7 from Patent EP1167531. See also Nielsen et al. Eur Food Res Technol 219: 421-427 (2004).
223	Bt11 genetic construct	C V T	Arne Holst-Jensen (arne.holst-jensen@vetinst.no) NVI	060229	AR110602	Bt11 genetic construct = Sequence 9 from patent US 6114608, according to EN ISO 21569 annex C3
224	synthetic construct of cryIAb gene, Event176 maize	C	Hermann Broll (hermann.broll@bfr.de) BfR	060227		Primer F: CCCATCGACATCAGCCTGAGC/ Primer R: CAGGAAGGCGTCCCCTGAGC/ Probe: FAM-ATGTCCACCAGGCCAGCAGC-TAMRA
225	MON 810 construct	C	Hermann Broll (hermann.broll@bfr.de) BfR	060227		Primer F: TCGAAGGACGAAGGACTCTAACGT/ Primer R:GCCACCTTCCTTTTCCACTATCTT/ Probe: FAM-AACATCCTTTGCCATTGCCAGC-TAMRA
226	T25 construct	C	Hermann Broll (hermann.broll@bfr.de) BfR	060227		Primer F: GGA AGT TCA TTT CAT TTG GAG AGG/ Primer R: GGC CAT ATC AGC TGC TGT AGC/ Probe: FAM-GCCTAATCTCAACTGGTCTCCTCTC-TAMRA
227	Round-up Ready construct	C	Hermann Broll (hermann.broll@bfr.de) BfR	060227		Primer F: CATTTGGAGAGACAGCTGA/ Primer R: GAGCCATGTTGTTAATTTGTGCC/ Probe: FAM-CAAGCTGACTCTAGCAGATCTTTC-TAMRA

Co-Extra – Deliverable D 6.1 rev I

228	sequence from maize invertase gene (Ivr1)	X	Hermann Broll (hermann.broll@bfr.de) Bfr	060227	gi 1122438 gb U16123.1 ZMU16123	Primer F: CACTCCATCGTGGAGAGCTT/ Primer R: GGCGTTGTTGAAGAGGAAGA/ Probe: FAM-TACCCACACGAGCCATCTACGACT-TAMRA
229	sequence from maize alcohol dehydrogenase 1 gene (adh1)	X	Hermann Broll (hermann.broll@bfr.de) Bfr	060227	gi 22123 emb X04049.1 ZMADH1SA	Primer F: CGT CGT TTC CCA TCT CTT CCT CC/ Primer R: CCA CTC CGA GAC CCT CAG TC/ Probe: FAM-AAT CAG GGC TCA TTT TCT CGC TCC TCA-TAMRA
230	sequence from maize High Mobility Group Protein Gene (HMG)	X	Hermann Broll (hermann.broll@bfr.de) Bfr	060227	gi 5441501 emb AJ131373.1 ZMA131373	Primer F: TTGGACTAGAAATCTCGTGCTGA/ Primer R: GCTACATAGGGAGCCTTGTCCT/ Probe: FAM-CAATCCACACAAAACGCACGCGTAX-TAMRA
231	Sugarbeet glutamine synthetase	X	Arne Holst-Jensen (arne.holst-jensen@vetinst.no) NVI	060228	BI096317	Reference gene system published by CRL <a href="http://gmo-crl.jrc.it/summaries/H7-1-Protocol%20Validated.pdf">http://gmo-crl.jrc.it/summaries/H7-1-Protocol%20Validated.pdf</a>