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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

WORKING GROUP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES, AND DNA-PROFILING IN PARTICULAR

Thirteenth Session Brasilia, November 22 to 24, 2011

ADDENDUM

USING SSR MARKERS FOR AUTHENTICATION OF SEED STOCKS IN WINTER OILSEED RAPE (WOSR)

Document prepared by an experts from the United Kingdom













resenter Na	ime Carc	l Norris Dat	e November :	2011					
							NIAL		
Methods used 12 markers selected with the greatest polymorphism									
			5' primer	3' primer	Chromosome	No. of			
ма	rker NO.	Marker	AGGTAGGCCCA	CCAAAACTTGCT	10	Alleles*			
M1		Ra2-E03	GCCGTTCTAGG GTTTGTGGGA	CAAAACCC GAGGAAGTGAG AGCGGGAAATC A	13	2			
M5		1.5107	GTTAAGTGTGGC	CCTTGGTACATG	Unknown	3			
M6		MB5	AACATCTTTTTG	AATAGCATTGA	Unknown	2			
M8		Na10-H03	GAGCTGGCTCA	CACAATTTCTCA	Unknown	2			
M9		Na10-E02	TCGCGCATGTA	TGTGACGCATCC	5	3			
M14		Na14-H11	GGATGTTTTCAC	CTTTGCAGGTAT GAACACGC	Unknown	4			
M16		O110-B01	CCTCTTCAGTCG AGGTCTGG	AATTTGGAAAC	17	4			
M17		O110-BF11	TTTGGAACGTCC GTAGAAGG	CAGCTGACTTCG AAAGGTCC	11	2			
M21		O112-F02	GGCCCATTGAT ATGGAGATG	CATTTCTCAATG ATGAATAGT	9	4			
M22		OI13-C12	AGAGGCCAACA AAGAACACC	GAAGCAGCACC AGTGACAAG	13	3			
M25		Ra2-A11	GACCTATTTTAA TATGCTGTTTTA CG	ACCTCACCGGA GAGAAATCC	9	4			
M16 M17 M21 M22 M25 Copyright NIAE	3	0110-B01 0110-BF11 0112-F02 0113-C12 Ra2-A11	CCTCTTCAGTCG AGGTCTGG TTTGGAAGGGCGCC GTAGAAGG GGCCCATTGAT ATGGAGATG AGAGGCCAACA AAGAACACC GACCTATTTTAA TATGCTGTTTTA CG	ААТТТОБАААС АбАбТСССС САСТСАСТССС САСТТСАСТСС АТСААТСС САТТТСТСААТС АТСААТАСТ GAAGCAGCACC АСТСАСССБА GAGAAATCC	17 11 9 13 9	4 2 4 3 4			





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		Results		
VARIETY	NUMBER OF ALLELES WHERE DIFFERENT USING	MARKERS WHERE DIFFERENCES SEEN	NUMBER OF ALLELES WHERE DIFFERENT BY	COMMENTS
1608	Complete match	None	Complete match	
2019	Complete match	None	Complete match	
2019	Complete match	None	Complete match	
20200	Complete match	None	Complete match	
2163	1	MS	Complete match	M8 didn't work wall
2105	1	MIG	Complete match	Treese shows complete metch
2103	1	M10	Complete match	Trace shows complete match
2100	2 Complete metch	M9, M17	Complete match	I race snows complete match
2174	Complete match	None	Complete match	The state of the s
2175	5	M8 M1, M5, M9, M22, M25	3	Trace shows 3 differences (M5, N M22)
2232	Complete match	None	Complete match)
2187	Complete match	None	Complete match	
2188	1	M8	1	Trace shows 1 allele difference
2190	Complete match	None	Complete match	
2191	1	M9	Complete match	Trace shows complete match
2192	1	MI	Complete match	Trace shows complete match
2194	Complete match	None	Complete match	Thee shows complete materi
2196	1	M8	Complete match	Trace shows complete match
2215	i	M5	Complete match	Trace shows complete match
2197	1	M5	Complete match	Trace shows complete match
2109	Complete match	None	Complete match	Trace shows complete materi
2198	2	M2 M8	Complete match	Traca shows complate match
2201	2	M6, M16	1	Trace shows 1 allele difference (N
2202	2	M8, M9	1	Trace shows 1 allele difference (M
2209	Complete match	None	Complete match	
2210	1	M5	Complete match	Trace shows complete match
2216	Complete match	None	Complete match	
2220	1	M5	Complete match	Trace shows complete match
2221	Complete match	None	Complete match	
2227	2	M16, M25	2	VCU trace didn't work well for b markers
2231	Complete match	None	Complete match	
2240	3	M8, M9, M25	1	Trace shows 1 allele difference (N
2247	1	M5	Complete match	Trace shows complete match









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