

Loss of function of 1-FEH IIb has more impact on post-harvest inulin degradation in *Cichorium intybus* than copy number variation of its close paralog 1-FEH IIa. Nicolas Dauchot^(*) . Pierre Raulier . Olivier Maudoux . Christine Notté. Xavier Draye . Pierre Van Cutsem.
^(*)Research Unit in Plant Biology, University of Namur, 61 rue de Bruxelles, 5000 Namur, Belgium
e-mail: nicolas.dauchot@unamur.be
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Supplementary table 4: genotyping results obtained for 3 loci located in 1-FEH IIa and 1-FEH IIb on 112 individuals. Amplification products were scored on a ABl3130 XL fragment analyzer with 500-LIZ size standard. For each diploid locus, table presents the identified alleles that were scored. The first two columns are presenting the genotyping results of the 112 samples for the presence or absence of duplication in the 3' UTR of 1-FEH IIa. Absence of duplication is scored by a 427 bp long amplicon, while the presence of the duplication generates a 470 bp long fragment. Columns 3 to 6 corresponds to the peaks detected after analyzing the amplification products obtained with a single primer pair amplifying simultaneously part or the promotor of both 1-FEH IIa and 1-FEH IIb. Fragments 225 and 229 are amplicons resulting from the amplification of part of 1-FEH IIa promotor, while fragments of 247 and 302 bp long result from the amplification of 1-FEH IIb promoters. These results were used to propose the evolution of FEH II haplotypes (fig 4).

		F2a-indel		F2a-prom		F2b-prom	
		426	470	225	229	247	302
Var_01	X073	426,47	426,47	225,34			302,41
Var_02	X070	426,4	426,04	225,35			302,47
Var_03	X091	426,54	426,54	225,38			302,49
Var_05	X040	426,62	426,62	225,49			302,59
Var_05	X040	426,62	426,62	225,49			302,59
Var_04	X014	426,53	426,53	225,51			302,62
L_02	X191	426,59	426,59	225,51			302,64
Var_01	X080	426,48	426,48	225,53			302,47
Var_06	X018	426,36	426,36	225,55			302,66
Var_04	X013	426,39	426,39	225,59			302,56
Var_06	X172	426,44	426,44	225,68			302,77
Var_08	X164	426,7	426,7	225,67	229,42		302,77
L_05	X195	426,5	426,5	225,53	229,39		302,55
Var_07	X126	426,25	426,25	225,45	229,3		302,46
L_02	X190	426,54	426,54	225,46	229,28		302,54
Var_01	X076	426,52	426,52	225,5	229,28		302,58
Var_10	X100	426,52	426,52	225,47	229,24		302,48
Var_01	X083	426,51	426,51	225,48	229,24		302,48
Var_04	X001	426,45	426,45	225,44	229,18		302,85
Var_11	X137	426,58	426,58	225,38	229,16		302,4
Var_11	X140	426,48	426,48	225,37	229,14		302,48
Var_07	X128	426,53	426,53	225,38	229,09		302,4
Var_06	X020	426,04	426,04		229,29		302,56
Var_10	X102	426,35	426,35		229,36		302,56
Var_02	X057	426,41	426,41		229,33		302,57
Var_02	X066	426,41	426,41		229,04		302,49
L_01	X197	426,43	426,43		229,34		302,63
Var_07	X129	426,47	426,47		229,15		302,49
Var_10	X104	426,48	426,48		229,19		302,05
Var_10	X104	426,48	426,48		229,19		302,05
L_01	X193	426,49	426,49		229,36		302,62
Var_02	X061	426,5	426,5		229,26		302,58
Var_03	X094	426,51	426,51		229,26		302,47
Var_07	X124	426,52	426,52		229,13		302,5
Var_11	X136	426,52	426,52		229,08		302,39
Var_02	X051	426,57	426,57		229,02		302,57
Var_10	X101	426,57	426,57		229,15		302,58
Var_11	X135	426,58	426,58		229,15		302,49
L_01	X194	426,58	426,58		229,24		302,62
Var_02	X067	426,52	470,93	225,39	229,08	247,62	
Var_12	X112	426,63	470,85	225,53	229,11	247,7	302,39
Var_02	X056	426,63	470,89	225,43	229,12	247,72	302,49
Var_07	X123	426,47	470,84	225,44	229,13	247,65	302,49
Var_11	X133	426,46	470,87	225,45	229,15	247,72	302,58
Var_01	X077	426,55	470,93	225,36	229,16	247,65	302,54
Var_01	X077	426,55	470,93	225,36	229,16	247,65	302,54
Var_01	X077	426,55	470,93	225,36	229,16	247,65	302,54
Var_12	X114	426,54	470,94	225,38	229,16	247,61	302,5
Var_04	X007	426,46	470,71	225,46	229,17	247,86	302,76
Var_10	X107	426,52	470,87	225,41	229,17	247,67	302,48
Var_06	X030	426,51	470,89	225,39	229,18	247,71	302,49
Var_05	X032	426,53	471,07	225,39	229,18	247,63	302,4
Var_11	X132	426,58	470,9	225,45	229,21	247,75	302,48
Var_17	X147	426,55	471,02	225,47	229,24	247,71	302,46
Var_06	X156	426,46	470,74	225,46	229,33	247,76	302,49
Var_07	X131	426,56	470,8	225,47	229,24	247,7	302,48
Var_10	X098	426,52	470,8	225,45	229,25	247,75	302,51
Var_11	X138	426,62	470,87	225,49	229,25	247,73	302,47
Var_10	X103	426,56	470,96	225,49	229,25	248,7	302,47
Var_02	X064	426,6	470,9	225,53	229,26	247,76	302,55
Var_14	X187	426,54	470,71	225,74		248,08	302,83
Var_08	X169	426,44	470,77	225,68		247,92	302,76
Var_13	X145	426,52	470,78	225,39		247,75	302,49
Var_04	X012	426,61	470,8	225,62		247,91	302,64
Var_06	X165	426,52	470,81	225,61		247,87	302,7
Var_01	X078	426,5	470,96	225,38		247,71	302,47
Var_07	X127	426,51	470,83	225,45		247,73	302,48
Var_06	X027	426,53	470,85	225,46		247,73	302,48
Var_04	X006	426,53	470,88	225,52		247,8	302,56
Var_01	X081	426,45	470,87	225,4		247,76	302,57
Var_06	X163	426,55	470,94	225,66		248,03	302,78
Var_09	X154	426,53	470,81	225,45		247,74	
Var_14	X186	426,49	471	225,65		248,05	
Var_09	X158	426,68	471,01	225,44		247,74	
Var_14	X189	426,59	471,08	225,56		247,79	
Var_12	X120	470,55	470,55	225,38		247,7	
Var_15	X173	470,67	470,67	225,65		247,93	
Var_04	X003	470,69	470,69	225,52		247,89	
Var_02	X065	470,74	470,74	225,21		247,74	
Var_03	X087	470,78	470,78	225,43		247,68	
Var_03	X087	470,78	470,78	225,43		247,68	
Var_03	X087	470,78	470,78	225,43		247,68	
Var_12	X118	470,78	470,78	225,41		247,76	
Var_15	X174	470,78	470,78	225,7		247,95	
Var_19	X179	470,78	470,78	225,57		247,89	
Var_05	X046	470,8	470,8	225,45		247,74	302,55
Var_12	X109	470,8	470,8	225,44		247,74	
Var_01	X075	470,81	470,81	225,38		247,72	
Var_08	X161	470,81	470,81	225,45		247,77	
Var_06	X021	470,83	470,83	225,5		247,77	
Var_06	X026	470,83	470,83	225,63		247,89	
Var_02	X060	470,83	470,83	225,49		247,72	
Var_12	X111	470,83	470,83	225,51		247,75	
Var_13	X144	470,83	470,83	225,52		247,79	
Var_01	X079	470,84	470,84	225,37		247,77	
Var_15	X180	470,84	470,84	225,64		248	
Var_13	X141	470,85	470,85	225,45		247,75	
Var_14	X183	470,85	470,85	225,5		247,85	
Var_04	X009	470,86	470,86	225,34		248,52	
Var_05	X152	470,87	470,87	225,42		247,78	
V_06	X024	470,89	470,89	225,46		247,8	
Var_01	X072	470,89	470,89	225,42		247,69	
Var_15	X175	470,89	470,89	225,7		248,07	
Var_05	X041	470,91	470,91	225,48		247,82	
Var_12	X119	470,91	470,91	225,49		247,74	
Var_15	X177	470,91	470,91	225,64		248	
Var_01	X082	470,94	470,94	225,46		247,76	
Var_04	X015	470,96	470,96	225,55		247,77	
Var_15	X181	470,96	470,96	225,55		247,86	
Var_05	X036	470,97	470,97	225,42		247,68	
Var_05	X034	470,99	470,99	225,46		247,76	
Var_08	X162	470,99	470,99	225,43		247,76	