

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D	<i>F. excelsior</i>	Orléans	Orléans_02	1.39	G2	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_02	1.39	G2	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_02	1.39	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_03	1.05	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_03	1.05	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_03	1.05	G2	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_03	1.05	G2	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	31/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>F. excelsior</i>	Orléans_08	1.73	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>F. excelsior</i>	Orléans_21	1.36	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>F. excelsior</i>	Orléans_26	1.09	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>F. excelsior</i>	Orléans_27	1.07	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>F. excelsior</i>	Orléans_31	1.39	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>F. excelsior</i>	Orléans_34	4.10	G1	08/04/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>F. excelsior</i>	Orléans_35	2.53	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>F. excelsior</i>	Orléans_40	1.39	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	08/04/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_06	3.97	G1	<i>P. angustifolia</i>	Pa_07.E_50	M	M	08/04/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_07	4.4	G1	<i>F.ornus</i>	B16	H	G1	26/04/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_07	4.4	G1	<i>F.ornus</i>	G48	H	G2	09/05/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_07	4.4	G1	<i>P. angustifolia</i>	Pa_03.15-41	H	G1	31/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_07	4.4	G1	<i>P. angustifolia</i>	Pa_03.15-37	H	G2	31/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_07	4.4	G1	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_07	4.4	G1	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	31/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_07	4.4	G1	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_08	1.73	G2	<i>F. excelsior</i>	Orléans_06	3.97	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_08	1.73	G2	<i>F. excelsior</i>	Orléans_33	4.79	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_08	1.73	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	22/03/2015	1

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D	<i>F. excelsior</i>	Orléans	Orléans_08	1.73	G2	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_08	1.73	G2	<i>F. excelsior</i>	Orléans_45	4.39	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_08	1.73	G2	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_08	1.73	G2	<i>F. ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_08	1.73	G2	<i>F. ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_10	1.51	G2	<i>F. ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_10	1.51	G2	<i>F. ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_10	1.51	G2	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	31/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_10	1.51	G2	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	0
S	<i>F. excelsior</i>	Orléans	Orléans_11	5.90	G1	<i>F. excelsior</i>	Orléans_11	5;90	G1	11/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_11	5.90	G1	<i>F. excelsior</i>	Orléans_34	4.10	G1	11/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_11	5.90	G1	<i>F. excelsior</i>	Orléans_35	2.53	G2	11/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_11	5.90	G1	<i>P. angustifolia</i>	Pa_03.15_41	H	G1	11/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_11	5.90	G1	<i>P. angustifolia</i>	Pa_03.15_37	H	G2	11/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_11	5.90	G1	<i>P. angustifolia</i>	Pa_07.E_50	M	M	11/03/2015	1
S	<i>F. excelsior</i>	Orléans	Orléans_14	1.37	G2	<i>F. excelsior</i>	Orléans_14	1.37	G2	11/03/2017	1_0_0
D	<i>F. excelsior</i>	Orléans	Orléans_14	1.37	G2	<i>P. angustifolia</i>	Pa_07.E_24	H	G1	11/03/2017	1
D	<i>F. excelsior</i>	Orléans	Orléans_14	1.37	G2	<i>P. angustifolia</i>	Pa_07.D_10	H	G2	11/03/2017	0
S	<i>F. excelsior</i>	Orléans	Orléans_15	4.67	G1	<i>F. excelsior</i>	Orléans_15	4.67	G1	10/03/2017	0
D+R	<i>F. excelsior</i>	Orléans	Orléans_15	4.67	G1	<i>P. angustifolia</i>	Pa_07.E_24	H	G1	10/03/2017	0
D+R	<i>F. excelsior</i>	Orléans	Orléans_15	4.67	G1	<i>P. angustifolia</i>	Pa_07.D_10	H	G2	10/03/2017	1
R	<i>F. excelsior</i>	Orléans	Orléans_16	5.00	G1	<i>P. angustifolia</i>	Pa_07.E_24	H	G1	08/03/2017	0
R	<i>F. excelsior</i>	Orléans	Orléans_16	5.00	G1	<i>P. angustifolia</i>	Pa_07.D_10	H	G2	08/03/2017	1
S	<i>F. excelsior</i>	Orléans	Orléans_16	5.00	G1	<i>P. angustifolia</i>	Pa_07.E_24	H	G1	10/03/2017	0
D	<i>F. excelsior</i>	Orléans	Orléans_18	1.47	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_18	1.47	G2	<i>F. ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_18	1.47	G2	<i>F. ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_18	1.47	G2	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	31/03/2015	1

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D	<i>F. excelsior</i>	Orléans	Orléans_18	1.47	G2	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_21	1.36	G2	<i>F. excelsior</i>	Orléans_06	3.97	G1	27/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_21	1.36	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_21	1.36	G2	<i>F. excelsior</i>	Orléans_35	2.53	G2	24/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_21	1.36	G2	<i>F. excelsior</i>	Orléans_41	4.80	G1	24/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_21	1.36	G2	<i>F. excelsior</i>	Orléans_45	4.39	G1	24/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_21	1.36	G2	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_21	1.36	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_21	1.36	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_26	1.09	G2	<i>F. excelsior</i>	Orléans_06	3.97	G1	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_26	1.09	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_26	1.09	G2	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_26	1.09	G2	<i>F. excelsior</i>	Orléans_45	4.39	G1	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_26	1.09	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_26	1.09	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_27	1.07	G2	<i>F. excelsior</i>	Orléans_06	3.97	G1	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_27	1.07	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_27	1.07	G2	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_27	1.07	G2	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_27	1.07	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_27	1.07	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_31	1.39	G2	<i>F. excelsior</i>	Orléans_06	3.97	G1	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_31	1.39	G2	<i>F. excelsior</i>	Orléans_34	4.09	G1	24/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_31	1.39	G2	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_31	1.39	G2	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_31	1.39	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_31	1.39	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_31	1.39	G2	<i>P. angustifolia</i>	Pa_07.E_70	M	M	11/03/2015	1

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
S	<i>F. excelsior</i>	Orléans	Orléans_32	4,00	G1	<i>F. excelsior</i>	Orléans_32	4,00	G1	22/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_32	4,00	G1	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_32	4,00	G1	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_32	4,00	G1	<i>P. angustifolia</i>	Pa_07.E_24	H	G1	22/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_32	4,00	G1	<i>P. angustifolia</i>	Pa_06.G_41	H	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_33	4.42	G1	<i>F. excelsior</i>	Orléans_08	1.73	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_33	4.42	G1	<i>F. excelsior</i>	Orléans_34	4.10	G1	08/04/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_33	4.42	G1	<i>F. excelsior</i>	Orléans_35	2.53	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_33	4.42	G1	<i>P. angustifolia</i>	Pa_03.15_41	H	G1	08/04/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_33	4.42	G1	<i>P. angustifolia</i>	Pa_03.15_35	H	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_33	4.42	G1	<i>P. angustifolia</i>	Pa_06.G-70	M	M	08/04/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_06	3.97	G1	27/03/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_08	1.72	G2	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_11	5.90	G1	11/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_18	1.47	G2	27/03/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_21	1.36	G2	27/03/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_26	1.09	G2	27/03/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_27	1.07	G2	27/03/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_31	1.37	G2	27/03/2014	1
S	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_34	4.10	G1	27/03/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_35	2.53	G2	27/03/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_38	1.39	G2	27/03/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_39	1.39	G2	27/03/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_40	1.39	G2	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_42	1.82	G2	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_44	5.35	G1	11/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_45	4.39	G1	27/03/2014	0

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D+R	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F. excelsior</i>	Orléans_46	4.30	G1	11/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F.ornus</i>	B16	H	G1	26/04/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>F.ornus</i>	G48	H	G2	09/05/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>P. angustifolia</i>	Pa_03.15_41	H	G1	11/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>P. angustifolia</i>	Pa_03.15_35	H	G2	11/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>P. angustifolia</i>	Pa_03.15_37	H	G2	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>P. angustifolia</i>	Pa_07.E_50	M	M	11/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_34	4.10	G1	<i>P. angustifolia</i>	Pa_06.G-70	M	M	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_11	5.90	G1	11/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_21	1.36	G2	24/03/2014	0
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_33	4.79	G1	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2014	1
S	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_35	2.53	G2	24/03/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_40	1.39	G2	24/03/2014	0
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_44	5.35	G1	11/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_45	4.39	G1	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F. excelsior</i>	Orléans_46	4.30	G1	11/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_35	2.53	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_38	1.39	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_38	1.39	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_38	1.39	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_38	1.39	G2	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	31/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_38	1.39	G2	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_39	1.39	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_39	1.39	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_39	1.39	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D	<i>F. excelsior</i>	Orléans	Orléans_39	1.39	G2	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	31/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_39	1.39	G2	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_40	1.39	G2	<i>F. excelsior</i>	Orléans_06	3.97	G1	27/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_40	1.39	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_40	1.39	G2	<i>F. excelsior</i>	Orléans_35	2.53	G2	24/03/2014	0
D	<i>F. excelsior</i>	Orléans	Orléans_40	1.39	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_40	1.39	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_40	1.39	G2	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	31/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_40	1.39	G2	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_02	1,00	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_08	1.72	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_21	1.35	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_26	1.09	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_27	1.07	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_31	1.39	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_32	4,00	G1	22/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_34	4.10	G1	22/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_35	2.53	G2	22/03/2015	1
S	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_42	1.82	G2	22/03/2015	1
D+R	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_41	4.79	G1	<i>F.ornus</i>	B16	H	G1	26/04/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_42	1.82	G2	<i>F. excelsior</i>	Orléans_34	4.10	G1	24/03/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_42	1.82	G2	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	1
S	<i>F. excelsior</i>	Orléans	Orléans_42	1.82	G2	<i>F. excelsior</i>	Orléans_42	1.82	G2	27/03/2014	0
D	<i>F. excelsior</i>	Orléans	Orléans_42	1.82	G2	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_42	1.82	G2	<i>F.ornus</i>	B16	H	G1	26/04/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_42	1.82	G2	<i>F.ornus</i>	G48	H	G2	09/05/2015	0

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D	<i>F. excelsior</i>	Orléans	Orléans_42	1.82	G2	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	31/03/2015	1
D	<i>F. excelsior</i>	Orléans	Orléans_42	1.82	G2	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	31/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_44	5.35	G1	<i>F. excelsior</i>	Orléans_34	4.10	G1	11/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_44	5.35	G1	<i>F. excelsior</i>	Orléans_35	2.53	G2	11/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_44	5.35	G1	<i>P. angustifolia</i>	Pa_07.E_41	H	G1	11/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_44	5.35	G1	<i>P. angustifolia</i>	Pa_07.E_50	M	M	11/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>F. excelsior</i>	Orléans_08	1.73	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>F. excelsior</i>	Orléans_21	1.36	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>F. excelsior</i>	Orléans_26	1.09	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>F. excelsior</i>	Orléans_34	4.10	G1	08/04/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>F. excelsior</i>	Orléans_35	2.53	G2	08/04/2014	1
D	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>F.ornus</i>	B16	H	G1	26/04/2015	0
D	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>F.ornus</i>	G48	H	G2	09/05/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>P. angustifolia</i>	Pa_10.M_21	H	G1	08/04/2014	0
R	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>P. angustifolia</i>	Pa_07.E_41	H	G2	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_45	4.39	G1	<i>P. angustifolia</i>	Pa_07.E_70	M	M	08/04/2014	1
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_02	1.00	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_08	1.73	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_21	1.36	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_26	1.09	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_27	1.07	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_31	1.39	G2	22/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_32	4,00	G1	22/03/2015	0
D+R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_34	4.10	G1	11/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_35	2.53	G2	11/03/2015	1
D+R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_41	4.79	G1	22/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_42	1.82	G2	22/03/2015	1
S	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>F. excelsior</i>	Orléans_46	4.30	G1	22/03/2015	0

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>P. angustifolia</i>	Pa_03.15_41	H	G1	11/03/2015	0
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>P. angustifolia</i>	Pa_03.15_37	H	G2	11/03/2015	1
R	<i>F. excelsior</i>	Orléans	Orléans_46	4.30	G1	<i>P. angustifolia</i>	Pa_07.E_50	M	M	11/03/2015	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_001	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_001	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_005	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_005	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_009	1.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_009	1.5	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_011	6	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_011	6	G1	<i>P. angustifolia</i>	Pa_01.N_07	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_014	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_014	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_017	2.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_017	2.5	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_017	2.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	1
R	<i>F. excelsior</i>	Camprieu	Cevennes_017	2.5	G2	<i>P. angustifolia</i>	Pa_01.N_07	H	G2	02/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_018	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_018	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_020	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_020	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_021	6	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	26/02/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_021	6	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	26/02/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_023	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_023	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_025	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_025	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_027	4	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	0

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D	<i>F. excelsior</i>	Camprieu	Cevennes_027	4	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_028	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_028	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_030	1.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_030	1.5	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_033	2	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_033	2	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_041	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_041	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_042	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_042	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_043	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_043	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_046	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_046	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_048	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_048	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_051	1.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_051	1.5	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_055	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_055	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_061	5	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	29/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_061	5	G1	<i>P. angustifolia</i>	Pa_01.N_07	H	G2	30/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_062	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_062	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_063	1.5	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_063	1.5	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_064	1.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D	<i>F. excelsior</i>	Camprieu	Cevennes_064	1.5	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_070	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_070	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_071	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_071	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Camprieu	Cevennes_073	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_073	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_074	4.5	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	29/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_074	4.5	G1	<i>P. angustifolia</i>	Pa_01.N_07	H	G2	30/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_076	2	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_076	2	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_078	5.5	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Camprieu	Cevennes_078	5.5	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_086	2	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Camprieu	Cevennes_086	2	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_093	5	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_093	5	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_095	2	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_095	2	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_096	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_096	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_097	2.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_097	2.5	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_098	4	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_098	4	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
R	<i>F. excelsior</i>	Aures	Cevennes_099	5	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_099	5	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_101	2	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
D	<i>F. excelsior</i>	Aures	Cevennes_101	2	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_110	6	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_110	6	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_111	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_111	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_112	5	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_112	5	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_113	1.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_113	1.5	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_114	6.5	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_114	6.5	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_115	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_115	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_117	5	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_117	5	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_118	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_118	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_119	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_119	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_121	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_121	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_123	1	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_123	1	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_124	6	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_124	6	G1	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_128	1.5	G2	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_128	1.5	G2	<i>P. angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_129	4	G1	<i>P. angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0

Table S3. List of the 88 referenced tested genotypes (27 in the Orléans collection, and 61 in the Cévennes populations (33 in Camprieu and 28 in Aures)). Each genotype was tested as pollen recipient (R) or as pollen donor (D) for compatibility with G1 and G2 testers: 0 indicates that incompatibility was observed, 1 indicates compatibility was observed. (S): the genotype was tested for self-incompatibility; H: hermaphrodite; M: male. Each tree was assigned to G1 or G2 SI group.

Tested genotypes						Genotypes used as testers in stigma test				Stigma test	
Tested as	Species	Collection/O rigin	Label	Sexual phenotype	SI group	Species	Label	Sexual phenotype	SI group	Date of the test	Conclusion
R	<i>F. excelsior</i>	Aures	Cevennes_129	4	G1	<i>P.angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_131	2	G2	<i>P.angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_131	2	G2	<i>P.angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_132	2	G2	<i>P.angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_132	2	G2	<i>P.angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_133	3	G1	<i>P.angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_133	3	G1	<i>P.angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_134	4	G1	<i>P.angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_134	4	G1	<i>P.angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_135	3	G1	<i>P.angustifolia</i>	Pa_07.E_42	H	G1	29/03/2016	0
D	<i>F. excelsior</i>	Aures	Cevennes_135	3	G1	<i>P.angustifolia</i>	Pa_01.N_07	H	G2	30/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_137	3	G2	<i>P.angustifolia</i>	Pa_07.E_42	H	G1	03/03/2016	1
D	<i>F. excelsior</i>	Aures	Cevennes_137	3	G2	<i>P.angustifolia</i>	Pa_01.N_25	H	G2	03/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_139	4	G1	<i>P.angustifolia</i>	Pa_07.E_42	H	G1	02/03/2016	0
R	<i>F. excelsior</i>	Aures	Cevennes_139	4	G1	<i>P.angustifolia</i>	Pa_01.N_25	H	G2	02/03/2016	1