

Variable levels of introgression between the endangered *Podarcis carbonelli* and highly divergent congeneric species

– Supplementary Information

Guilherme Caeiro-Dias, Alan Brelsford, Antigoni Kaliontzopoulou,
Mariana Meneses-Ribeiro, Pierre-André Crochet, Catarina Pinho

Table S1. Samples used to analyse each *Podarcis* contact zone, with the corresponding morphological identification (Field ID; *Podarcis* sp. was used when specific identification was not possible), age class (A – adult; S – sub-adult; J - juvenile), sex (F - female; M – male; Unk – unknown; ND – no data), geographical coordinates and location names where the samples were collected. In the second column CZ refers to the samples from the populations of contact and REF to the samples used as references; contact zone numbers and reference population Roman numerals as in Fig. 1.

Sample label	Contact zone analysed	Field ID	Age class	Sex	Lat.	Long.	Location name (country)
DB19668	CZ 1	<i>P. bocagei</i>	S	M	41.031	-8.646	Espinho (Portugal)
DB19607	CZ 1	<i>P. bocagei</i>	A	F	41.031	-8.645	Espinho (Portugal)
DB19682	CZ 1	<i>P. bocagei</i>	A	F	41.031	-8.645	Espinho (Portugal)
DB19681	CZ 1	<i>P. carbonelli</i>	A	F	41.030	-8.645	Espinho (Portugal)
DB19683	CZ 1	<i>P. carbonelli</i>	A	M	41.030	-8.645	Espinho (Portugal)
DB19552	CZ 1	<i>P. carbonelli</i>	A	M	41.030	-8.646	Espinho (Portugal)
DB19555	CZ 1	<i>P. carbonelli</i>	A	M	41.030	-8.645	Espinho (Portugal)
DB21509	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.029	-8.645	Espinho (Portugal)
DB19602	CZ 1	<i>P. carbonelli</i>	A	M	41.029	-8.645	Espinho (Portugal)
DB21508	CZ 1	<i>P. carbonelli</i>	A	M	41.029	-8.645	Espinho (Portugal)
DB19579	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB19598	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB19600	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB19588	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB19551	CZ 1	<i>P. carbonelli</i>	A	M	41.029	-8.645	Espinho (Portugal)
DB19563	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB19553	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB21505	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.029	-8.645	Espinho (Portugal)
DB19582	CZ 1	<i>P. bocagei</i>	A	M	41.029	-8.645	Espinho (Portugal)
DB19585	CZ 1	<i>P. carbonelli</i>	A	M	41.029	-8.646	Espinho (Portugal)
DB19566	CZ 1	<i>P. carbonelli</i>	A	M	41.029	-8.645	Espinho (Portugal)
DB19556	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.646	Espinho (Portugal)
DB19945	CZ 1	<i>P. bocagei</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB21513	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.029	-8.645	Espinho (Portugal)
DB21511	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.029	-8.645	Espinho (Portugal)
DB19559	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB21512	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.029	-8.645	Espinho (Portugal)
DB19564	CZ 1	<i>P. carbonelli</i>	A	M	41.029	-8.646	Espinho (Portugal)
DB19554	CZ 1	<i>P. carbonelli</i>	A	F	41.029	-8.645	Espinho (Portugal)
DB19929	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.029	-8.645	Espinho (Portugal)
DB21510	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.029	-8.645	Espinho (Portugal)
DB19712	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.645	Espinho (Portugal)
DB21503	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.028	-8.645	Espinho (Portugal)
DB19949	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.028	-8.645	Espinho (Portugal)
DB19720	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.646	Espinho (Portugal)
DB19597	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.645	Espinho (Portugal)
DB19584	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.645	Espinho (Portugal)
DB19947	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.028	-8.645	Espinho (Portugal)
DB19924	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.028	-8.646	Espinho (Portugal)
DB19587	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.645	Espinho (Portugal)
DB19946	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.028	-8.645	Espinho (Portugal)
DB19557	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.645	Espinho (Portugal)
DB21502	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.645	Espinho (Portugal)
DB19711	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.645	Espinho (Portugal)
DB19569	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.646	Espinho (Portugal)
DB19580	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.646	Espinho (Portugal)
DB19935	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.028	-8.646	Espinho (Portugal)
DB19593	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.646	Espinho (Portugal)
DB19562	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.646	Espinho (Portugal)
DB19936	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.028	-8.645	Espinho (Portugal)
DB19586	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.645	Espinho (Portugal)
DB19595	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.645	Espinho (Portugal)
DB19940	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.644	Espinho (Portugal)
DB19942	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.644	Espinho (Portugal)
DB21514	CZ 1	<i>Podarcis</i> sp.	J	Unk	41.028	-8.645	Espinho (Portugal)
DB19567	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.645	Espinho (Portugal)
DB19561	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.645	Espinho (Portugal)
DB19571	CZ 1	<i>P. carbonelli</i>	A	M	41.028	-8.645	Espinho (Portugal)

Sample label	Contact zone analysed	Field ID	Age class	Sex	Lat.	Long.	Location name (country)
DB19925	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.028	-8.645	Espinho (Portugal)
DB19944	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.645	Espinho (Portugal)
DB19592	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.645	Espinho (Portugal)
DB19572	CZ 1	<i>P. carbonelli</i>	A	F	41.028	-8.646	Espinho (Portugal)
DB19926	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.645	Espinho (Portugal)
DB19581	CZ 1	<i>P. carbonelli</i>	A	Unk	41.027	-8.655	Espinho (Portugal)
DB21501	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB19699	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.646	Espinho (Portugal)
DB19932	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.645	Espinho (Portugal)
DB19698	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.646	Espinho (Portugal)
DB19591	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB19599	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB19719	CZ 1	<i>P. bocagei</i>	A	M	41.027	-8.646	Espinho (Portugal)
DB19603	CZ 1	<i>P. carbonelli</i>	S	Unk	41.027	-8.645	Espinho (Portugal)
DB19565	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB19590	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB19594	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB19938	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.645	Espinho (Portugal)
DB19927	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.644	Espinho (Portugal)
DB19576	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB21507	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB19589	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB19568	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB19558	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB19708	CZ 1	<i>P. bocagei</i>	A	M	41.027	-8.643	Espinho (Portugal)
DB19709	CZ 1	<i>P. bocagei</i>	A	M	41.027	-8.643	Espinho (Portugal)
DB19596	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.644	Espinho (Portugal)
DB19715	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB19716	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB19928	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.645	Espinho (Portugal)
DB19560	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB19583	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB19601	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB21504	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.644	Espinho (Portugal)
DB19934	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.645	Espinho (Portugal)
DB19697	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB19577	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.645	Espinho (Portugal)
DB19948	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.645	Espinho (Portugal)
DB19578	CZ 1	<i>P. carbonelli</i>	A	F	41.027	-8.645	Espinho (Portugal)
DB21500	CZ 1	<i>P. carbonelli</i>	A	M	41.027	-8.644	Espinho (Portugal)
DB19930	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.027	-8.645	Espinho (Portugal)
DB19574	CZ 1	<i>P. carbonelli</i>	A	M	41.026	-8.645	Espinho (Portugal)
DB19931	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.026	-8.645	Espinho (Portugal)
DB19933	CZ 1	<i>Podarcis sp.</i>	J	Unk	41.026	-8.644	Espinho (Portugal)
DB19723	CZ 1	<i>P. carbonelli</i>	A	M	41.026	-8.645	Espinho (Portugal)
DB19701	CZ 1	<i>P. carbonelli</i>	A	M	41.026	-8.645	Espinho (Portugal)
DB19727	CZ 1	<i>P. bocagei</i>	A	M	41.026	-8.645	Espinho (Portugal)
DB19705	CZ 1	<i>P. carbonelli</i>	A	F	41.026	-8.645	Espinho (Portugal)
DB19726	CZ 1	<i>P. bocagei</i>	A	F	41.026	-8.644	Espinho (Portugal)
DB19707	CZ 1	<i>P. bocagei</i>	A	M	41.026	-8.644	Espinho (Portugal)
DB19724	CZ 1	<i>P. bocagei</i>	A	F	41.026	-8.644	Espinho (Portugal)
DB19718	CZ 1	<i>P. bocagei</i>	A	F	41.026	-8.644	Espinho (Portugal)
DB19704	CZ 1	<i>P. carbonelli</i>	A	F	41.026	-8.645	Espinho (Portugal)
DB19703	CZ 1	<i>P. carbonelli</i>	A	F	41.026	-8.644	Espinho (Portugal)
DB19610	CZ 1	<i>Podarcis sp.</i>	A	F	41.025	-8.645	Espinho (Portugal)
DB19725	CZ 1	<i>P. carbonelli</i>	A	M	41.025	-8.644	Espinho (Portugal)
DB19662	CZ 1	<i>P. carbonelli</i>	A	M	41.025	-8.645	Espinho (Portugal)
DB19829	CZ 2	<i>P. virescens</i>	A	M	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19830	CZ 2	<i>P. virescens</i>	A	M	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19831	CZ 2	<i>P. virescens</i>	A	M	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19833	CZ 2	<i>P. virescens</i>	A	M	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19834	CZ 2	<i>P. virescens</i>	A	F	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19835	CZ 2	<i>P. carbonelli</i>	A	M	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19836	CZ 2	<i>P. carbonelli</i>	A	M	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19837	CZ 2	<i>P. carbonelli</i>	A	M	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19838	CZ 2	<i>P. carbonelli</i>	A	F	40.921	-8.543	Santa Maria da Feira (Portugal)
DB19839	CZ 2	<i>P. carbonelli</i>	J	Unk	40.921	-8.543	Santa Maria da Feira (Portugal)

Sample label	Contact zone analysed	Field ID	Age class	Sex	Lat.	Long.	Location name (country)
MAT_21	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_22	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_23	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_24	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_25	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_26	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_27	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_28	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_29	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_30	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_31	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_32	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_33	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_34	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_35	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_36	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_37	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_38	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_39	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_40	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_41	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_42	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_43	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_44	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_45	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_46	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_47	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_48	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_49	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_50	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_51	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_52	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_53	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_54	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_55	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_56	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_57	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_58	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_59	CZ 4	<i>P. vaucheri</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_60	CZ 4	<i>P. carbonelli</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_61	CZ 4	<i>P. carbonelli</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_62	CZ 4	<i>P. carbonelli</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
MAT_63	CZ 4	<i>Podarcis sp.</i>	ND	ND	37.003	-6.563	Matalascaña (Spain)
DB19902	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19903	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19904	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19905	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19906	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19907	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19908	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19909	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19910	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19911	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19912	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19913	REF I (CZ 1)	<i>P. bocagei</i>	A	F	41.153	-8.643	Porto (Portugal)
DB19914	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19915	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19916	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19917	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19918	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19919	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19920	REF I (CZ 1)	<i>P. bocagei</i>	A	M	41.153	-8.643	Porto (Portugal)
DB19923	REF I (CZ 1)	<i>P. bocagei</i>	J	Unk	41.153	-8.643	Porto (Portugal)
DB19618	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	F	40.766	-8.710	Torreira (Portugal)
DB19619	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19620	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	F	40.766	-8.710	Torreira (Portugal)
DB19621	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)

Sample label	Contact zone analysed	Field ID	Age class	Sex	Lat.	Long.	Location name (country)
DB19622	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19624	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19625	REF II (CZ 1,2)	<i>P. carbonelli</i>	A	F	40.766	-8.710	Torreira (Portugal)
DB19626	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19627	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19628	REF II (CZ 1,2,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19629	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19630	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19631	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19632	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19633	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19634	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19635	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	F	40.766	-8.710	Torreira (Portugal)
DB19636	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB19638	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	F	40.766	-8.710	Torreira (Portugal)
DB19639	REF II (CZ 1,3)	<i>P. carbonelli</i>	A	F	40.766	-8.710	Torreira (Portugal)
DB19640	REF II (CZ 1)	<i>P. carbonelli</i>	A	F	40.766	-8.710	Torreira (Portugal)
DB19641	REF II (CZ 1)	<i>P. carbonelli</i>	A	F	40.766	-8.710	Torreira (Portugal)
DB19642	REF II (CZ 1)	<i>P. carbonelli</i>	A	M	40.766	-8.710	Torreira (Portugal)
DB24438	REF III (CZ 2)	<i>P. virescens</i>	A	M	40.672	-8.393	Moita (Portugal)
DB24439	REF III (CZ 2)	<i>P. virescens</i>	A	M	40.672	-8.395	Moita (Portugal)
DB24445	REF III (CZ 2)	<i>P. virescens</i>	A	M	40.671	-8.393	Moita (Portugal)
DB24453	REF III (CZ 2)	<i>P. virescens</i>	A	F	40.670	-8.392	Moita (Portugal)
DB24441	REF III (CZ 2)	<i>P. virescens</i>	A	F	40.670	-8.392	Moita (Portugal)
DB24442	REF III (CZ 2)	<i>P. virescens</i>	A	F	40.672	-8.394	Moita (Portugal)
DB24451	REF III (CZ 2)	<i>P. virescens</i>	A	Unk	40.671	-8.392	Moita (Portugal)
DB22654	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	F	40.351	-7.095	Sabugal (Portugal)
DB22655	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB22656	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB22657	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB22658	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB22659	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB22660	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	F	40.351	-7.095	Sabugal (Portugal)
DB22661	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB22662	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	F	40.351	-7.095	Sabugal (Portugal)
DB22663	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	F	40.351	-7.095	Sabugal (Portugal)
DB24411	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	F	40.351	-7.095	Sabugal (Portugal)
DB24412	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB24413	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	F	40.351	-7.095	Sabugal (Portugal)
DB24414	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB24415	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	F	40.351	-7.095	Sabugal (Portugal)
DB24425	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB24426	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB24428	REF IV (CZ 3)	<i>P.g.lusitanicus</i>	A	M	40.351	-7.095	Sabugal (Portugal)
DB22121	REF V (CZ 4)	<i>P. carbonelli</i>	A	M	37.048	-6.567	El Acebuche (Spain)
DB22129	REF V (CZ 4)	<i>P. carbonelli</i>	A	F	37.048	-6.567	El Acebuche (Spain)
DB22133	REF V (CZ 4)	<i>P. carbonelli</i>	A	M	37.048	-6.567	El Acebuche (Spain)
DB22135	REF V (CZ 4)	<i>P. carbonelli</i>	A	M	37.048	-6.567	El Acebuche (Spain)
DB22136	REF V (CZ 4)	<i>P. carbonelli</i>	A	M	37.048	-6.567	El Acebuche (Spain)
DB22120	REF V (CZ 4)	<i>P. carbonelli</i>	A	F	37.048	-6.567	El Acebuche (Spain)
DB21569	REF V (CZ 4)	<i>P. carbonelli</i>	S	M	37.048	-6.567	El Acebuche (Spain)
DB22128	REF V (CZ 4)	<i>P. carbonelli</i>	A	F	37.048	-6.567	El Acebuche (Spain)
DB22134	REF V (CZ 4)	<i>P. carbonelli</i>	A	M	37.048	-6.567	El Acebuche (Spain)
DB22138	REF V (CZ 4)	<i>P. carbonelli</i>	A	M	37.048	-6.567	El Acebuche (Spain)
DB11186	REF VI (CZ 4)	<i>P. vaucheri</i>	A	M	36.373	-6.187	Playa de la Barrosa (Spain)
DB11187	REF VI (CZ 4)	<i>P. vaucheri</i>	A	M	36.373	-6.187	Playa de la Barrosa (Spain)
DB11198	REF VI (CZ 4)	<i>P. vaucheri</i>	A	F	36.373	-6.187	Playa de la Barrosa (Spain)
DB11255	REF VI (CZ 4)	<i>P. vaucheri</i>	A	F	36.373	-6.187	Playa de la Barrosa (Spain)
AK8.60	REF VII (CZ 4)	<i>P. vaucheri</i>	A	F	36.490	-4.776	Playa de la Vibora (Spain)
AK8.61	REF VII (CZ 4)	<i>P. vaucheri</i>	A	M	36.490	-4.776	Playa de la Vibora (Spain)
AK8.62	REF VII (CZ 4)	<i>P. vaucheri</i>	A	M	36.490	-4.776	Playa de la Vibora (Spain)
AK8.63	REF VII (CZ 4)	<i>P. vaucheri</i>	A	M	36.490	-4.776	Playa de la Vibora (Spain)

Table S2. Mean, minimum (Min.) and maximum (Max.) depth of coverage values by individual (ind.) and by locus for each dataset and contact zone (CZ). Contact zone numbers as in Fig. 1.

Contact zone		CZ1	CZ2	CZ3	CZ4
Complete dataset	Min./ind.	10.473	10.891	11.195	10.138
	Max./ind.	47.829	45.287	69.420	93.777
	Mean/ind.	28.483	28.479	29.560	38.467
	Min./locus	11.902	12.871	16.742	14.210
	Max./locus	75.632	114.058	142.821	170.617
	Mean/locus	28.619	28.613	29.759	38.686
Diagnostic dataset	Min./ind.	11.902	8.715	10.741	9.535
	Max./ind.	75.632	49.485	64.906	110.927
	Mean/ind.	47.056	30.616	31.161	44.396
	Min./locus	10.164	13.462	21.182	22.988
	Max./locus	47.396	98.964	50.937	108.519
	Mean/locus	28.266	30.805	31.351	44.764

Table S3. Fisher's exact tests results on differences of overall genotypic hybrid composition (Parental vs. total admixed genotypes) and on the contributions of recent hybridization events among contact zones (Parental and latter generation hybrids vs. recent generation hybrids). Additionally to the global tests, pairwise comparisons were performed for the overall genotypic hybrid composition since the global test was statistically significant. * indicates the significant test ($p < 0.05$) and # indicates the significant tests after Bonferroni correction (significant at p -value $< 8.33 \times 10^{-3}$). Contact zone (CZ) numbers as in Fig. 1.

Test		<i>p</i> -value	
Parental vs. total admixed genotypes	Global comparison	8.29×10^{-9} *	
	Pairwise comparison	CZ1 x CZ2	1.29×10^{-4} #
		CZ1 x CZ3	0.28
		CZ1 x CZ4	1.29×10^{-3} #
		CZ2 x CZ3	1.33×10^{-2} #
		CZ2 x CZ4	2.42×10^{-9} #
	CZ3 x CZ4	2.08×10^{-4} #	
Parental and later generation hybrids vs. recent generation hybrids	Global comparison	0.12	

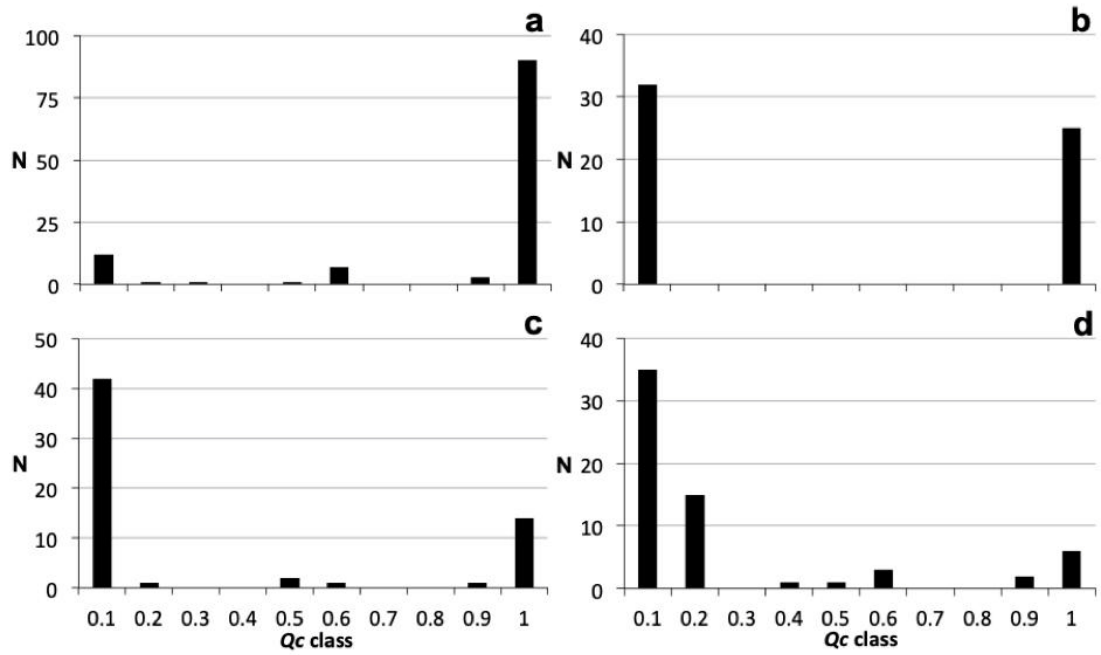


Fig. S1. Distribution of Q_c scores in 10 classes of equal size within each contact zone, derived from the multilocus genotype assignment analysis with the complete dataset for each contact zone. **a** *P. bocagei* x *P. carbonelli* (contact zone 1); **b** *P. virescens* x *P. carbonelli* (contact zone 2); **c** *P. g. lusitanicus* x *P. carbonelli* (contact zone 3); and **d** *P. vaucheri* x *P. carbonelli* (contact zone 4).