

Supplementary Information

Rivers, hybridisation, and range margins: drivers of genetic structure in the Danube crested newt in northern Pannonia

Conservation Genetics

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Online Resource 1 List of *Triturus* localities, including acronyms, country, geomorphological units, regions, geographic coordinates, and altitude

Locality	Acronym	Country	Geom. unit	Geom. region	N	E	Altitude m a.s.l.
Matena	Mat	Slovenia	-	Dinarides	45.97023	14.50002	286
Bojanovice - Peleš	Boj	Czechia	Jevišovice Hills	Bohemian Massif	48.95192	15.96860	351
Citonice	Cit	Czechia	Jevišovice Hills	Bohemian Massif	48.87594	15.96038	353
Mašovice	Mas	Czechia	Jevišovice Hills	Bohemian Massif	48.85860	15.98795	344
Tasovice	Tas	Czechia	Jevišovice Hills	Bohemian Massif	48.82237	16.15365	200
Únanov - Mlýnek	UnM	Czechia	Jevišovice Hills	Bohemian Massif	48.89819	16.08892	277
Hulín - Kafka	HuK	Czechia	Upper Morava Valley	Western Carpathians	49.27904	17.46258	186
Hulín - Skalky	HuS	Czechia	Upper Morava Valley	Western Carpathians	49.29663	17.48237	189
Kurovice	Kur	Czechia	Upper Morava Valley	Western Carpathians	49.27339	17.52157	255
Otrokovice	Otr	Czechia	Upper Morava Valley	Western Carpathians	49.22452	17.50714	187
Popovice	Pop	Czechia	Vizovice Highlands	Western Carpathians	49.05780	17.51740	205
Prlov - Neratov	PrN	Czechia	Vizovice Highlands	Western Carpathians	49.24367	17.98695	422
Devínske jazero	DeJ	Slovakia	Záhorská Lowland	Pannonian Basin	48.25779	16.95821	150
Kráľovská lúka	KrL	Slovakia	Danubian Lowland	Pannonian Basin	47.89870	17.49904	121
Břeclav - Kančí obora	BrK	Czechia	Lower Morava Valley	Pannonian Basin	48.79086	16.84922	157
Břeclav - Velká tůň	BrV	Czechia	Lower Morava Valley	Pannonian Basin	48.76813	16.86624	158
Břeclav - Pohansko	BrP	Czechia	Lower Morava Valley	Pannonian Basin	48.71917	16.89977	154
Břeclav - Štuglovka	BrS	Czechia	Lower Morava Valley	Pannonian Basin	48.74491	16.87673	155
Bzenec - rameno Blatná	Bze	Czechia	Lower Morava Valley	Pannonian Basin	48.93762	17.31897	168
Charvátská Nová Ves	CNV	Czechia	Lower Morava Valley	Pannonian Basin	48.78042	16.86486	157
Dolní Mušovský luh	DML	Czechia	Lower Morava Valley	Pannonian Basin	48.91049	16.59600	169
Hodonín - Zbrod	Hod	Czechia	Lower Morava Valley	Pannonian Basin	48.88891	17.06331	168
Holasice - Ludmila	Hol	Czechia	Dyje–Svratka Valley	Pannonian Basin	49.06737	16.60646	186
Ivaň - Plačkův les	Iva	Czechia	Dyje–Svratka Valley	Pannonian Basin	48.94500	16.59335	170
Kostice - Kostická Čista	Kos	Czechia	Lower Morava Valley	Pannonian Basin	48.73711	16.99860	155
Křivé jezero	KrJ	Czechia	Lower Morava Valley	Pannonian Basin	48.84458	16.72320	167
Lanžhot - Dědova louka	LaD	Czechia	Lower Morava Valley	Pannonian Basin	48.63052	16.94995	152
Lanžhot - Hlavní alej	LaH	Czechia	Lower Morava Valley	Pannonian Basin	48.64110	16.93878	152
Lanžhot - Mirafeldy	LaM	Czechia	Lower Morava Valley	Pannonian Basin	48.67601	16.93785	152
Lanžhot - NPR Ranšpurk	LaR	Czechia	Lower Morava Valley	Pannonian Basin	48.67974	16.94863	152
Lanžhot - rameno Čertová	LaC	Czechia	Lower Morava Valley	Pannonian Basin	48.68406	16.93780	152
Lanžhot - Velký Bojek	LaB	Czechia	Lower Morava Valley	Pannonian Basin	48.69603	16.98339	154
Lednice - Pastvisko	Led	Czechia	Lower Morava Valley	Pannonian Basin	48.81338	16.79770	159
Mikulčice	Mik	Czechia	Lower Morava Valley	Pannonian Basin	48.80520	17.09121	158

Moravský Písek - Černé jezero	MPC	Czechia	Lower Morava Valley	Pannonian Basin	48.97806	17.35246	168
Moravský Písek - Vypálenky	MPV	Czechia	Lower Morava Valley	Pannonian Basin	48.97307	17.32190	170
Pasohlávky - Betlém	Pas	Czechia	Dyje–Svratka Valley	Pannonian Basin	48.90687	16.59105	168
Stibůrkovská jezera	StJ	Czechia	Lower Morava Valley	Pannonian Basin	48.75028	17.00281	155
Tvrdonice - Kojetín	TvK	Czechia	Lower Morava Valley	Pannonian Basin	48.74755	17.02425	155
Tvrdonice - Tvrdonická alej	TvT	Czechia	Lower Morava Valley	Pannonian Basin	48.76040	17.01895	155

Online Resource 2 Multiplex composition and PCR conditions for amplification of microsatellite loci in crested newt populations

Multiplex 1	Volume (μL)	Primer citation
2x Qiagen multiplex kit	5	
Tcri13 6-FAM (10 μM)	0.1	Krupa et al. (2002)
Tcri29 NED (10 μM)	0.2	Krupa et al. (2002)
Tcri36 VIC (10 μM)	0.3	Krupa et al. (2002)
Tcri46 PET (10 μM)	0.3	Krupa et al. (2002)
ddH ₂ O	3.1	
DNA	1	

Multiplex 2	Volume (μL)	Primer citation
2x Qiagen multiplex kit	5	
Tcri27 6-FAM (10 μM)	0.3	Krupa et al. (2002)
Tcri35 NED (10 μM)	0.15	Krupa et al. (2002)
Tcri43 VIC (10 μM)	0.2	Krupa et al. (2002)
TCM-83 VIC (10 μM)	0.05	Sotiropoulos et al. (2008)
TCM-96 PET (10 μM)	0.1	Sotiropoulos et al. (2008)
ddH ₂ O	3.2	
DNA	1	

Multiplex 3	Volume (μL)	Primer citation
2x Qiagen multiplex kit	5	
TCM-273 VIC	0.1	Sotiropoulos et al. (2008)
TCM-327 FAM	0.1	Sotiropoulos et al. (2008)
TCM-414 PET	0.1	Sotiropoulos et al. (2008)
TCM-498 NED	0.3	Sotiropoulos et al. (2008)
ddH ₂ O	3.4	
DNA	1	

PCR cycling scheme		
Step/Temperature	Time	
Step 1 95°C	5 min	
Step 2 95°C	30 sec	
Step 3 58°C	90 sec	
Step 4 72°C	30 sec	Steps 2-4 repeated 35x
Step 5 68°C	30 min	

Online Resource 3 List of *Triturus* individuals analysed for the mitochondrial ND2 gene and nuclear microsatellites. DOB, CRI, and CAR indicate mtDNA haplotypes specific to *T. dobrogicus*, *T. cristatus*, and *T. carnifex*, respectively. *q*-cri, *q*-dob, and *q*-car represent the probability of each individual belonging to one of the three inferred clusters corresponding to the parental species. Bold values indicate individuals with nuclear admixture or mitonuclear discordance. ND2 haplotypes of *T. dobrogicus* were named following Vörös et al. (2016); newly identified haplotypes were numbered consecutively

ID	Locality	mtDNA (ND2)	ND2 haplotype	<i>q</i> -cri	<i>q</i> -dob	<i>q</i> -car
BOJ_10	Bojanovice - Peleš	DOB	H41	0.383	0.001	0.616
BOJ_1	Bojanovice - Peleš	DOB	H41	0.005	0.003	0.991
BOJ_2	Bojanovice - Peleš	DOB	H41	0.021	0.002	0.977
BOJ_3	Bojanovice - Peleš	DOB	H41	0.017	0.003	0.981
BOJ_4	Bojanovice - Peleš	DOB	H42	0.033	0.005	0.962
BOJ_5	Bojanovice - Peleš	DOB	H41	0.005	0.002	0.994
BOJ_6	Bojanovice - Peleš	DOB	H41	0.009	0.003	0.989
BOJ_7	Bojanovice - Peleš	DOB	H41	0.004	0.002	0.994
BOJ_8	Bojanovice - Peleš	DOB	H41	0.039	0.002	0.960
BOJ_9	Bojanovice - Peleš	DOB	H41	0.524	0.002	0.474
TD_22_22a	Břeclav - Kančí obora	DOB	H2	0.002	0.996	0.002
TD_22_22b	Břeclav - Kančí obora	DOB	H2	0.002	0.996	0.002
TD_22_22c	Břeclav - Kančí obora	DOB	H2	0.002	0.996	0.002
TD_22_22d	Břeclav - Kančí obora	DOB	H2	0.002	0.996	0.002
TD_22_22e	Břeclav - Kančí obora	DOB	H2	0.003	0.994	0.003
TD_22_22f	Břeclav - Kančí obora	DOB	H2	0.002	0.997	0.002
TD_22_22g	Břeclav - Kančí obora	DOB	H2	0.004	0.994	0.002
TD_22_22h	Břeclav - Kančí obora	DOB	H2	0.002	0.996	0.002
TD_22_22i	Břeclav - Kančí obora	DOB	H2	0.002	0.996	0.002
TD_23_26	Břeclav - Kančí obora	-	-	0.002	0.996	0.002
TD_23_28_A	Břeclav - Velká tůň	DOB	H2	0.002	0.995	0.002
TD_23_28_B	Břeclav - Velká tůň	-	-	0.002	0.996	0.002
TD_21_15a	Břeclav - Pohansko	DOB	H2	0.003	0.994	0.002
TD_21_15b	Břeclav - Pohansko	DOB	H2	0.002	0.996	0.002
TD_21_15c	Břeclav - Pohansko	-	-	0.002	0.996	0.002
TD_21_15d	Břeclav - Pohansko	DOB	H2	0.002	0.995	0.003
TD_23_30_A	Břeclav - Štogglovka	DOB	H2	0.002	0.996	0.002
TD_23_30_B	Břeclav - Štogglovka	DOB	H48	0.008	0.990	0.003
TD_23_30_C	Břeclav - Štogglovka	DOB	H2	0.002	0.995	0.003

TD_23_30_D	Břeclav - Štogglovka	DOB	H7	0.003	0.992	0.005
TD_23_30_E	Břeclav - Štogglovka	DOB	H7	0.002	0.996	0.002
TD_23_30_F	Břeclav - Štogglovka	DOB	H7	0.002	0.996	0.002
TD_23_30_G	Břeclav - Štogglovka	DOB	short sequence	0.002	0.996	0.002
TD_23_30_H	Břeclav - Štogglovka	DOB	H2	0.002	0.996	0.003
TD_23_30_I	Břeclav - Štogglovka	DOB	H2	0.003	0.995	0.002
TD_23_30_J	Břeclav - Štogglovka	DOB	H2	0.004	0.993	0.003
TD_23_30_K	Břeclav - Štogglovka	-	-	0.002	0.996	0.002
TD_20_1	Bzenec - rameno Blatná	DOB	H7	0.026	0.969	0.005
Td523	Charvátská Nová Ves	DOB	H2	0.002	0.994	0.004
Td524	Charvátská Nová Ves	DOB	H2	0.001	0.997	0.002
TD_22_21a	Charvátská Nová Ves	DOB	H2	0.002	0.995	0.002
TD_22_21b	Charvátská Nová Ves	DOB	H2	0.002	0.996	0.002
TD_22_21c	Charvátská Nová Ves	DOB	H2	0.002	0.996	0.002
TD_22_21d	Charvátská Nová Ves	DOB	short sequence	0.002	0.996	0.002
TD_22_21e	Charvátská Nová Ves	DOB	H2	0.002	0.996	0.002
TCAR467	Citonice	DOB	H41	0.002	0.003	0.995
TCAR468	Citonice	DOB	H41	0.004	0.002	0.993
TCAR469	Citonice	DOB	H2	0.005	0.002	0.993
TCAR472	Citonice	CRI	CRI1	0.041	0.001	0.957
pm124	Devínske jazero	DOB	H7	0.002	0.996	0.002
pm125	Devínske jazero	DOB	H44	0.003	0.982	0.016
pm126	Devínske jazero	DOB	H2	0.002	0.995	0.003
pm127	Devínske jazero	DOB	H2	0.002	0.984	0.014
pm128	Devínske jazero	DOB	H2	0.002	0.996	0.002
pm129	Devínske jazero	DOB	H2	0.002	0.968	0.031
pm130	Devínske jazero	DOB	H2	0.002	0.995	0.003
pm131	Devínske jazero	DOB	H2	0.002	0.990	0.008
pm132	Devínske jazero	DOB	H2	0.002	0.996	0.002
pm133	Devínske jazero	DOB	H2	0.002	0.996	0.002
pm134	Devínske jazero	DOB	H2	0.007	0.988	0.005
pm135	Devínske jazero	DOB	H2	0.002	0.996	0.002
pm136	Devínske jazero	DOB	H44	0.002	0.996	0.003
pm462	Kráľovská lúka	DOB	H2	-	-	-
pm463	Kráľovská lúka	DOB	H2	-	-	-
pm464	Kráľovská lúka	DOB	H45	-	-	-
Td520	Dolní Mušovský luh	CRI	CRI1	0.806	0.176	0.018
Td521	Dolní Mušovský luh	DOB	H2	0.660	0.337	0.003
Td528	Dolní Mušovský luh	DOB	H2	0.267	0.730	0.003

Td542	Dolní mušovský luh	DOB	H2	0.007	0.989	0.004
Td543	Dolní mušovský luh	DOB	H2	0.004	0.994	0.002
Td544	Dolní mušovský luh	DOB	H2	0.050	0.939	0.011
Td545	Dolní mušovský luh	DOB	H2	0.032	0.963	0.005
Td546	Dolní mušovský luh	DOB	H41	0.003	0.995	0.002
Td547	Dolní mušovský luh	DOB	H2	0.002	0.996	0.002
TD_23_25_1	Hodonín - Zbrod	-	-	0.002	0.997	0.002
TD_23_25_2	Hodonín - Zbrod	-	-	0.007	0.990	0.003
TD_23_27_A	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_B	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_C	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_D	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_E	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_F	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_G	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_H	Hodonín - Zbrod	DOB	H2	0.002	0.996	0.002
TD_23_27_I	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_J	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_K	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_L	Hodonín - Zbrod	DOB	H7	0.002	0.997	0.002
TD_23_27_M	Hodonín - Zbrod	DOB	H2	0.002	0.997	0.002
TD_23_27_N	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_O	Hodonín - Zbrod	DOB	H7	0.002	0.996	0.002
TD_23_27_P	Hodonín - Zbrod	DOB	H2	0.002	0.995	0.002
TD_23_24_1	Holasice - Ludmila	CRI	CRI1	0.210	0.776	0.014
TD_23_24_2	Holasice - Ludmila	CRI	CRI1	0.098	0.883	0.019
TD_23_24_3	Holasice - Ludmila	-	-	0.217	0.749	0.034
Teri487	Hulín - Kafka	CRI	CRI1	0.997	0.001	0.002
Teri488	Hulín - Kafka	CRI	CRI1	0.997	0.002	0.002
Teri489	Hulín - Kafka	CRI	CRI1	0.997	0.002	0.002
Teri490	Hulín - Kafka	CRI	CRI1	0.996	0.002	0.002
Teri491	Hulín - Kafka	CRI	CRI1	0.997	0.002	0.002
Teri492	Hulín - Kafka	CRI	CRI1	0.997	0.001	0.002
Teri493	Hulín - Kafka	CRI	CRI1	0.997	0.001	0.002
Teri494	Hulín - Kafka	CRI	CRI1	0.994	0.003	0.002
Teri495	Hulín - Kafka	CRI	CRI1	0.997	0.001	0.002
Teri496	Hulín - Kafka	CRI	CRI1	0.997	0.001	0.002
Teri473	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002
Teri474	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002

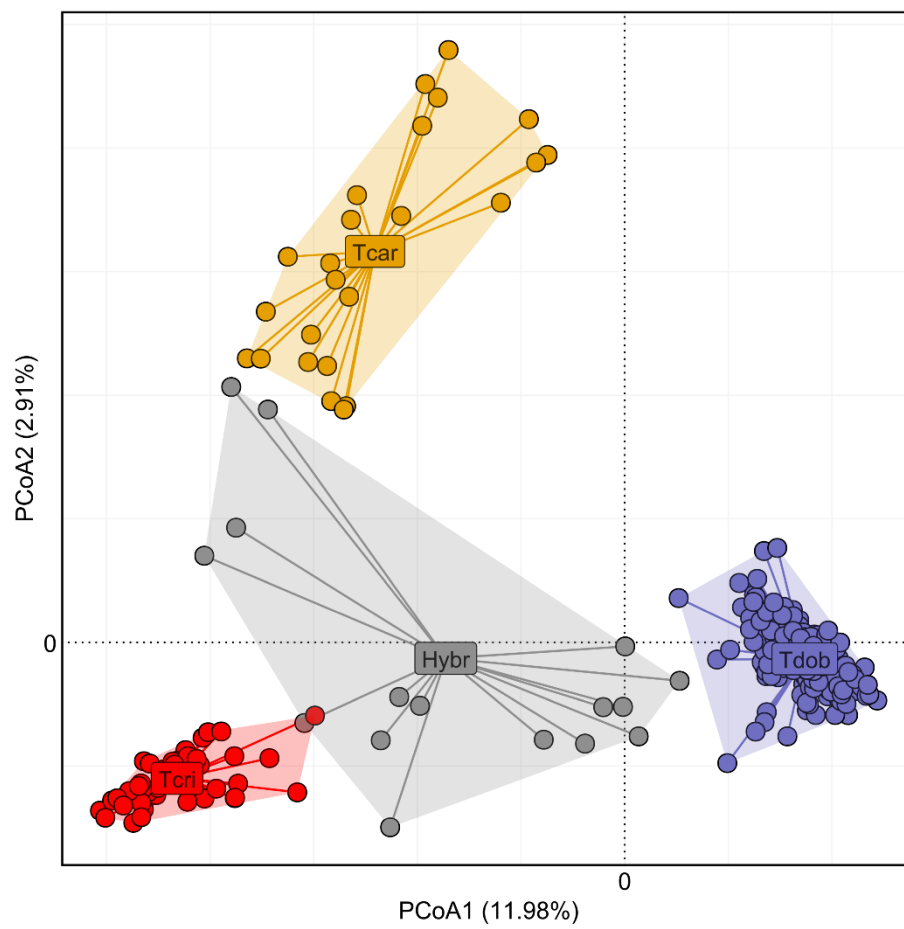
Tcri475	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002
Tcri476	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002
Tcri477	Hulín - Skalky	CRI	CRI1	0.996	0.002	0.002
Tcri478	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002
Tcri479	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002
Tcri480	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002
Tcri481	Hulín - Skalky	CRI	CRI1	0.997	0.002	0.002
Tcri508	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002
Tcri509	Hulín - Skalky	CRI	CRI1	0.996	0.002	0.002
Tcri510	Hulín - Skalky	CRI	CRI1	0.997	0.001	0.002
Td526	Ivaň - Plačkův les	DOB	H2	0.001	0.997	0.002
Td527	Ivaň - Plačkův les	DOB	H2	0.132	0.862	0.005
Td540	Ivaň - Plačkův les	DOB	H2	0.002	0.996	0.002
Td541	Ivaň - Plačkův les	DOB	H2	0.075	0.918	0.007
Td548	Ivaň - Plačkův les	DOB	H2	0.002	0.997	0.002
TD_20_2b	Kostice - Kostická Čista	DOB	H7	0.002	0.997	0.002
TD_20_6a	Kostice - Kostická Čista	DOB	H7	0.003	0.996	0.002
TD_20_6b	Kostice - Kostická Čista	-	-	0.002	0.997	0.002
TD_20_6c	Kostice - Kostická Čista	DOB	H7	0.002	0.996	0.002
TD_20_6d	Kostice - Kostická Čista	DOB	H7	0.001	0.997	0.002
TD_20_6e	Kostice - Kostická Čista	DOB	H7	0.002	0.996	0.002
Td534	Křivé jezero	DOB	H2	0.002	0.996	0.002
Td535	Křivé jezero	DOB	H2	0.002	0.996	0.002
Td536	Křivé jezero	DOB	H7	0.002	0.997	0.002
Td537	Křivé jezero	DOB	H2	0.002	0.996	0.002
Td538	Křivé jezero	DOB	H2	0.003	0.996	0.002
Td539	Křivé jezero	DOB	H2	0.003	0.995	0.002
TD_22_23a	Křivé jezero	DOB	H2	0.002	0.996	0.002
TD_22_23b	Křivé jezero	DOB	H2	0.002	0.996	0.002
TD_22_23c	Křivé jezero	DOB	H7	0.002	0.997	0.002
Tcri498	Kurovice	CRI	CRI1	0.997	0.001	0.002
Tcri499	Kurovice	CRI	CRI1	0.997	0.001	0.002
Tcri500	Kurovice	CRI	CRI1	0.997	0.001	0.002
Tcri501	Kurovice	CRI	CRI1	0.996	0.002	0.002
Tcri502	Kurovice	CRI	CRI1	0.997	0.001	0.002
Tcri503	Kurovice	CRI	CRI1	0.997	0.001	0.002
Tcri504	Kurovice	CRI	CRI1	0.997	0.001	0.002
Tcri505	Kurovice	CRI	CRI1	0.997	0.001	0.002
Tcri506	Kurovice	CRI	CRI1	0.997	0.001	0.002

Tcri507	Kurovice	CRI	CRI1	0.997	0.001	0.002
TD_21_13	Lanžhot - Dědova louka	DOB	H7	0.002	0.996	0.002
TD_21_18a	Lanžhot - Hlavní alej	DOB	H2	0.002	0.995	0.003
TD_21_18b	Lanžhot - Hlavní alej	DOB	H2	0.006	0.992	0.002
TD_21_18c	Lanžhot - Hlavní alej	DOB	H7	0.002	0.996	0.002
TD_21_18d	Lanžhot - Hlavní alej	DOB	H7	0.002	0.996	0.002
TD_21_18e	Lanžhot - Hlavní alej	DOB	H7	0.002	0.996	0.002
TD_21_18f	Lanžhot - Hlavní alej	DOB	H7	0.002	0.996	0.002
TD_21_18g	Lanžhot - Hlavní alej	DOB	H7	0.002	0.996	0.002
TD_21_18h	Lanžhot - Hlavní alej	DOB	H39	0.002	0.996	0.002
TD_21_18i	Lanžhot - Hlavní alej	DOB	H7	0.002	0.996	0.002
TD_21_18j	Lanžhot - Hlavní alej	DOB	H7	0.002	0.995	0.003
Td525	Lanžhot - Hlavní alej	DOB	H46	0.003	0.995	0.002
TD_21_12a	Lanžhot - Mirafeldy	DOB	H2	0.002	0.996	0.002
TD_21_12b	Lanžhot - Mirafeldy	DOB	H7	0.002	0.996	0.002
TD_21_12c	Lanžhot - Mirafeldy	DOB	H7	0.002	0.996	0.002
TD_21_17a	Lanžhot - rameno Čertová	DOB	H7	0.002	0.997	0.002
TD_21_17b	Lanžhot - rameno Čertová	DOB	H2	0.002	0.997	0.002
TD_21_17c	Lanžhot - rameno Čertová	DOB	H2	0.002	0.996	0.002
TD_21_17d	Lanžhot - rameno Čertová	DOB	H2	0.002	0.997	0.002
TD_21_17e	Lanžhot - rameno Čertová	DOB	H7	0.002	0.997	0.002
TD_21_19a	Lanžhot - rameno Čertová	DOB	H7	0.003	0.995	0.002
TD_21_19b	Lanžhot - rameno Čertová	DOB	H7	0.002	0.997	0.002
TD_21_19c	Lanžhot - rameno Čertová	DOB	H7	0.004	0.992	0.004
TD_21_19d	Lanžhot - rameno Čertová	DOB	H7	0.002	0.996	0.002
TD_21_19e	Lanžhot - rameno Čertová	DOB	H40	0.002	0.996	0.002
TD_21_19f	Lanžhot - rameno Čertová	DOB	H2	0.002	0.997	0.002
TD_21_19g	Lanžhot - rameno Čertová	DOB	H2	0.007	0.990	0.003
TD_21_8	Lanžhot - Velký Bojek	DOB	H7	0.003	0.995	0.002
TD_21_11a	Lanžhot - NPR Ranšpurk	DOB	H7	0.002	0.996	0.002
TD_21_11b	Lanžhot - NPR Ranšpurk	DOB	H7	0.002	0.996	0.002
TD_21_11c	Lanžhot - NPR Ranšpurk	DOB	H7	0.002	0.996	0.002
TD_21_14a	Lanžhot - NPR Ranšpurk	DOB	H7	0.002	0.997	0.002
TD_21_14b	Lanžhot - NPR Ranšpurk	DOB	H7	0.002	0.996	0.002
Td550	Lanžhot - NPR Ranšpurk	DOB	H7	0.002	0.995	0.003
Td551	Lanžhot - NPR Ranšpurk	DOB	H7	0.002	0.996	0.002
Td552	Lanžhot - NPR Ranšpurk	DOB	H47	0.002	0.995	0.003
TD_23_29	Lednice - Pastvisko	DOB	H2	0.002	0.995	0.002
pm169	Mašovice	DOB	H2	0.008	0.003	0.990

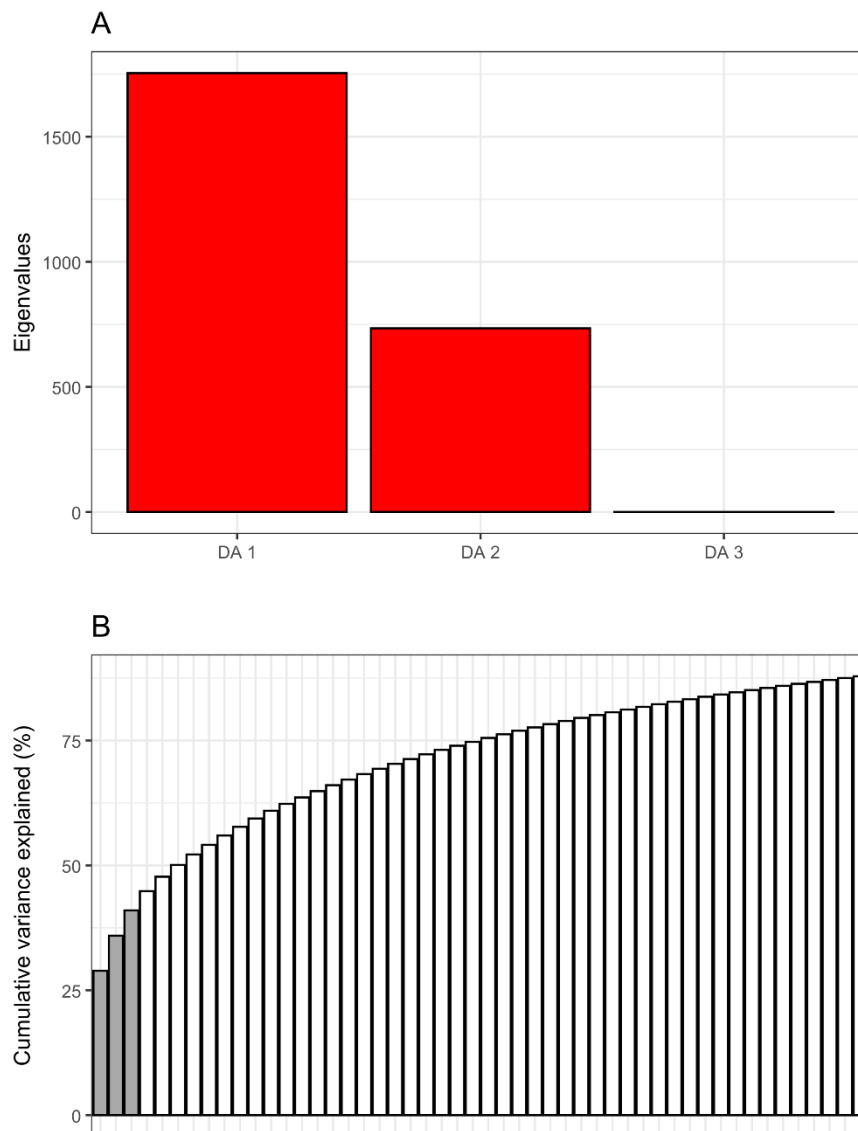
pm170	Mašovice	DOB	H2	0.031	0.012	0.958
pm197	Matena	CAR	CAR1	0.003	0.001	0.995
pm198	Matena	CAR	CAR2	0.002	0.002	0.996
pm199	Matena	CAR	CAR1	0.002	0.003	0.995
pm200	Matena	CAR	CAR3	0.002	0.001	0.997
pm201	Matena	CAR	CAR3	0.002	0.001	0.997
pm202	Matena	CAR	CAR1	0.002	0.003	0.996
pm51	Matena	CAR	CAR1	0.002	0.003	0.995
TD_20_7	Mikulčice	DOB	H7	0.002	0.997	0.002
Td553	Mikulčice	DOB	H7	0.002	0.997	0.002
Td554	Mikulčice	DOB	H7	0.002	0.996	0.002
Td555	Mikulčice	DOB	H7	0.002	0.997	0.002
TD_23_31_1	Moravský Písek - Černé jezero	DOB	H7	0.002	0.996	0.002
TD_23_31_2	Moravský Písek - Černé jezero	CRI	CRI1	0.002	0.996	0.002
TD_23_31_3	Moravský Písek - Černé jezero	CRI	CRI1	0.002	0.996	0.002
TD_23_31_4	Moravský Písek - Černé jezero	-	-	0.002	0.996	0.002
TD_23_31_5	Moravský Písek - Černé jezero	CRI	CRI1	0.002	0.996	0.002
TD_23_31_6	Moravský Písek - Černé jezero	DOB	H7	0.002	0.996	0.002
TD_23_31_7	Moravský Písek - Černé jezero	DOB	H7	0.002	0.996	0.002
TD_23_31_8	Moravský Písek - Černé jezero	DOB	H7	0.041	0.950	0.009
TD_23_31_9	Moravský Písek - Černé jezero	-	-	0.002	0.996	0.002
Td529	Moravský Písek - Vypálenky	DOB	H7	0.018	0.974	0.008
Td530	Moravský Písek - Vypálenky	DOB	H7	0.002	0.996	0.002
Td531	Moravský Písek - Vypálenky	DOB	H7	0.018	0.974	0.009
Td532	Moravský Písek - Vypálenky	DOB	H7	0.002	0.996	0.002
Td533	Moravský Písek - Vypálenky	DOB	H7	0.097	0.891	0.012
Tcri482	Otrokovice - Mojena	CRI	CRI1	0.996	0.002	0.002
Tcri483	Otrokovice - Mojena	CRI	CRI1	0.993	0.005	0.002
Tcri484	Otrokovice - Mojena	CRI	CRI1	0.996	0.002	0.002
Tcri485	Otrokovice - Mojena	CRI	CRI1	0.995	0.003	0.002
Tcri486	Otrokovice - Mojena	CRI	CRI1	0.995	0.003	0.002
Tcri497	Otrokovice - Mojena	CRI	CRI1	0.788	0.210	0.002
Td549	Pasohlávky - Betlém	DOB	H2	0.434	0.563	0.003
Tcri511	Popovice	CRI	CRI1	0.976	0.022	0.003
Tcri512	Popovice	CRI	CRI1	0.991	0.007	0.002
Tcri513	Popovice	CRI	CRI1	0.997	0.001	0.002
Tcri514	Popovice	CRI	CRI1	0.989	0.009	0.002
Tcri515	Popovice	CRI	CRI1	0.995	0.003	0.002
Tcri516	Popovice	CRI	CRI1	0.732	0.266	0.002

Tcri517	Popovice	CRI	CRI1	0.967	0.029	0.005
Tcri518	Popovice	CRI	CRI1	0.992	0.002	0.007
Tcri519	Popovice	CRI	CRI1	0.985	0.012	0.003
Tcri564	Prlov - Neratov	CRI	CRI1	0.996	0.001	0.003
Tcri565	Prlov - Neratov	CRI	CRI1	0.997	0.001	0.002
TD_20_5a	Stibůrkovská jezera	DOB	H7	0.002	0.996	0.002
TD_20_5b	Stibůrkovská jezera	DOB	H2	0.002	0.996	0.002
Td522	Stibůrkovská jezera	DOB	H2	0.002	0.997	0.002
Td556	Stibůrkovská jezera	DOB	H7	0.002	0.996	0.002
Td557	Stibůrkovská jezera	DOB	H7	0.002	0.996	0.002
pm167	Tasovice	DOB	H43	0.026	0.002	0.972
pm168	Tasovice	DOB	H43	0.004	0.002	0.994
TD_20_3a	Tvrdonice - Kojetín	-	-	0.002	0.996	0.002
TD_20_3b	Tvrdonice - Kojetín	DOB	H2	0.002	0.996	0.002
TD_20_3c	Tvrdonice - Kojetín	DOB	H2	0.002	0.996	0.002
TD_20_3d	Tvrdonice - Kojetín	DOB	H2	0.002	0.996	0.002
TD_20_4a	Tvrdonice - Kojetín	DOB	H2	0.002	0.996	0.002
TD_20_4b	Tvrdonice - Kojetín	DOB	H2	0.002	0.997	0.002
TD_20_4c	Tvrdonice - Kojetín	DOB	H2	0.001	0.997	0.002
TD_20_4d	Tvrdonice - Kojetín	DOB	H2	0.002	0.996	0.002
TD_20_4e	Tvrdonice - Kojetín	DOB	H2	0.002	0.997	0.002
TD_20_4f	Tvrdonice - Kojetín	DOB	H2	0.002	0.997	0.002
TD_20_4g	Tvrdonice - Kojetín	DOB	H2	0.002	0.996	0.002
TD_21_9	Tvrdonice - Kojetín	DOB	H2	0.002	0.997	0.002
TD_21_10	Tvrdonice - Tvrdonická alej	DOB	H7	0.002	0.996	0.002
TD_21_16a	Tvrdonice - Tvrdonická alej	DOB	H7	0.002	0.995	0.003
TD_21_16b	Tvrdonice - Tvrdonická alej	DOB	H7	0.002	0.997	0.002
TD_21_16c	Tvrdonice - Tvrdonická alej	DOB	H7	0.002	0.997	0.002
Tcri_597	Únanov - Mlýnek	DOB	H43	0.088	0.002	0.910
Tcri_598	Únanov - Mlýnek	DOB	H43	0.081	0.002	0.917
Tcri_599	Únanov - Mlýnek	-	-	0.614	0.286	0.099
Tcri_600	Únanov - Mlýnek	DOB	H43	0.094	0.002	0.904

Online Resource 4 Principal coordinates analysis (PCoA) of crested newt individuals in Moravia showing the occurrence of interspecific hybrids



Online Resource 5 DAPC diagnostics used to determine the number of principal components retained for the analysis of microsatellite variation among crested newt individuals. (A) Eigenvalues of the discriminant functions. (B) Cumulative proportion of variance explained by the retained principal components. The first three principal components were retained for the final DAPC analysis



Online Resource 6 F_{ST} values (below diagonal) and corresponding 95% confidence intervals (above diagonal) between pairs of *Triturus dobrogicus* populations calculated using the correction for null alleles (ENA correction) in the FreeNA program (Chapuis and Estoup 2007)

	BrK	BrS	CNV	DeJ	Hod	Iva	Kos	KrJ	LaH	LaC	LaR	MPC	MPV	StJ
BrK	-	0.011-0.052	-0.014-0.094	0.011-0.235	0.039-0.195	-0.003-0.111	0.017-0.099	-0.025-0.050	0.019-0.251	0.010-0.337	0.013-0.276	0.091-0.268	0.037-0.488	0.032-0.311
BrS	0.032	-	0.001-0.176	0.013-0.233	0.080-0.152	0.002-0.101	0.018-0.096	-0.007-0.096	0.015-0.217	0.034-0.312	0.042-0.240	0.090-0.247	0.052-0.490	0.013-0.285
CNV	0.035	0.082	-	0.025-0.284	0.065-0.209	0.038-0.215	0.013-0.144	0.011-0.106	0.043-0.271	0.040-0.291	0.040-0.234	0.082-0.345	0.052-0.513	0.013-0.266
DeJ	0.098	0.091	0.149	-	0.084-0.326	0.005-0.140	0.009-0.065	0.038-0.233	-0.019-0.053	0.017-0.150	-0.006-0.123	0.075-0.237	0.065-0.174	0.005-0.165
Hod	0.099	0.111	0.128	0.186	-	0.033-0.182	0.064-0.188	0.079-0.190	0.065-0.298	0.055-0.334	0.053-0.280	0.214-0.411	0.135-0.594	0.065-0.347
Iva	0.042	0.042	0.124	0.065	0.096	-	-0.004-0.093	0.011-0.097	0.019-0.098	0.042-0.163	0.053-0.149	0.110-0.263	0.086-0.393	0.072-0.135
Kos	0.048	0.055	0.070	0.036	0.119	0.042	-	0.035-0.089	-0.007-0.050	0.007-0.087	0.002-0.056	0.119-0.250	0.078-0.294	-0.013-0.072
KrJ	0.015	0.048	0.053	0.118	0.126	0.046	0.057	-	0.046-0.234	0.034-0.311	0.048-0.272	0.082-0.283	0.046-0.494	0.069-0.307
LaH	0.115	0.087	0.148	0.009	0.163	0.053	0.022	0.128	-	-0.005-0.026	-0.007-0.051	0.111-0.283	0.081-0.276	-0.030-0.105
LaC	0.148	0.137	0.150	0.064	0.154	0.091	0.043	0.151	0.011	-	-0.010-0.049	0.123-0.381	0.069-0.362	-0.021-0.059
LaR	0.126	0.119	0.122	0.046	0.149	0.098	0.031	0.148	0.024	0.022	-	0.097-0.366	0.080-0.351	-0.029-0.045
MPC	0.184	0.167	0.212	0.152	0.312	0.192	0.187	0.190	0.187	0.220	0.219	-	0.044-0.300	0.070-0.375
MPV	0.215	0.223	0.264	0.114	0.344	0.237	0.171	0.253	0.162	0.186	0.194	0.176	-	0.050-0.316
StJ	0.146	0.126	0.119	0.076	0.179	0.106	0.035	0.170	0.033	0.023	0.013	0.216	0.159	-

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