Supplementary material

Conservation genetics of a wide-ranged temperate snake: same species, different locations, and different behaviour

Conservation Genetics

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Table S1: Location and number of samples collected in the course of the present study. Lon and lat correspond to longitude and latitude in decimal degrees (WGS84).

Region	Population	Cluster	Lon	Lat	n
Alsace	1	1	7.3570	48.2129	6
Alsace	2	3	7.1297	47.7439	17
Alsace	3	2	7.2637	47.9377	19
Alsace	4	1	7.4545	47.9720	14
Alsace	5	1	7.4426	47.7397	12
Alsace	6	1	7.1132	48.4120	6
Alsace	7	1	7.3112	48.2001	8
Alsace	8	1	7.2639	48.1404	11
Alsace	9	2	7.3005	48.1440	10
Alsace	10	3	7.2768	47.9628	5
Wallonia	1	4	5.4722	50.3232	10
Wallonia	2	4	4.8892	50.2412	5
Wallonia	3	6	4.5577	50.07	5
Wallonia	4	4	5.0237	50.1836	7
Wallonia	5	5	5.0827	50.1633	15
Wallonia	6	5	4.8769	50.2184	17
Wallonia	7	4	4.5092	50.0714	21
Wallonia	8	5	4.7183	50.1719	14
Wallonia	9	4	4.4285	50.0631	13
Wallonia	10	6	5.8266	50.4043	9
Wallonia	11	4	5.1342	50.5099	28
Wallonia	12	4	5.8201	50.5195	13
Wallonia	13	5	4.9719	50.0571	21
Wallonia	14	4	5.2862	50.1772	10

Wallonia	15	6	4.9665	50.1532	11
Wallonia	16	6	5.5719	50.5258	12
Wallonia	17	7	5.6124	49.5486	9
Wallonia	18	4	5.2678	50.2474	19
Wallonia	19	4	5.2947	49.7562	6
Wallonia	20	6	5.4862	49.5901	24
Wallonia	21	4	5.2555	50.0616	33
Wallonia	22	4	5.5233	49.7522	21
Wallonia	23	4	4.9861	50.0825	7
Wallonia	24	4	5.938	50.6288	15
Wallonia	25	5	5.9059	50.6092	11
Wallonia	26	4	5.48	49.8143	8
Wallonia	27	4	5.5168	50.3489	16
Wallonia	28	4	4.9581	50.3247	18

Table S2: Pairwise estimates of genetic differentiation (F_{ST}) obtained with FSTAT v.2.9.3.2 (Goudet, 1995) on the lower half, and Euclidian distance (km) in the upper half, in 10 sampling sites of *Coronella austriaca* in Alsace (northeastern France) based on the analysis of 8 microsatellites. Values in bold indicate significant pairwise F_{ST}, obtained with a Bonferroni correction at 95% in FSTAT.

	pop1	pop2	pop3	pop4	pop5	pop6	pop7	pop8	pop9	pop10
pop1 (n=6)	-	54.8	31.3	27.7	52.9	3.7	10.5	8.7	28.5	32.3
pop2 (n=17)	**0.1187**	-	23.9	35.1	23.4	52.5	45.2	46.3	26.6	83.7
pop3 (n=19)	**0.1550**	**0.0977**	-	14.6	25.7	29.2	22.5	23	2.8	61.6
pop4 (n=14)	0.0944	**0.0621**	**0.0849**	-	25.7	27.5	23.3	22.1	13.3	60
pop5 (n=12)	0.0726	**0.0955**	**0.0907**	**0.0437**	-	52	46.3	46.1	27.5	85
pop6 (n=6)	0.1244	**0.1051**	**0.1096**	**0.0871**	0.0623	-	7.4	6.3	26.6	32.9
pop7 (n=8)	0.0974	**0.0615**	0.0095	**0.0521**	0.0168	0.0556	-	2.6	19.8	39.3
pop8 (n=11)	0.1559	**0.0987**	**0.1325**	**0.1036**	**0.0676**	0.0754	**0.0634**	-	20.2	39.1
pop9 (n=10)	0.0489	0.0350	**0.0420**	0.0180	0.0111	0.0400	-0.0019	0.0582	-	59
pop10 (n=5)	0.0338	**0.1187**	0.1151	**0.0523**	0.0381	0.0648	0.0323	0.1019	0.0051	-