

Beam Brook revisited: A molecular study of a historically introduced non-native
amphibian (*Triturus carnifex*) and its limited introgression into native UK
Triturus cristatus populations

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Supplementary Material

Table S2. Genetic diversity for seven microsatellite loci and CytB (*T. cristatus*/*T. carnifex*).

	Beam Brook	Sturtwood Fm.	San Giusto	Capel	Newborough.	Peterborough
<u>Allelic Richness</u>						
<u>(AR)</u>						
TCM414	2.700	1.981	2.000	1.000	1.000	1.000
TCM496	2.000	1.608	2.000	1.000	1.000	1.000
TCM417	4.423	3.762	1.000	2.000	2.000	1.996
TCM96y	2.978	2.848	1.419	1.000	1.000	1.000
TCRI35	10.531	8.686	2.000	5.607	3.997	6.891
TCM327	4.512	3.337	1.000	2.000	1.998	2.000
TCRI46	8.315	8.643	2.000	4.879	4.372	7.862
<u>Mean</u>	<u>5.065</u>	<u>4.409</u>	<u>1.631</u>	<u>2.498</u>	<u>2.195</u>	<u>3.107</u>
<u>Private alleles</u>						
<u>(PA)</u>						
TCM414	118(0.034)					
TCM496			173(0.484)			
TCM417	178(0.017)					
TCM96y						
TCRI35	219(0.023)/ 223(0.045)/ 239(0.045)		181(0.500)/ 207(0.500)			
TCM327	194(0.017)/ 198(0.017)					
TCRI46	262(0.042)	286(0.047)				284(0.030)/ 302(0.114)
Total	8	1	3	0	0	2

Gene diversity**(He)**

TCM414	0.489	0.205	0.500	0.000	0.000	0.000
TCM496	0.344	0.056	0.500	0.000	0.000	0.000
TCM417	0.704	0.620	0.000	0.482	0.494	0.268
TCM96y	0.526	0.360	0.032	0.000	0.000	0.000
TCRI35	0.889	0.862	0.500	0.746	0.738	0.831
TCM327	0.571	0.456	0.000	0.329	0.297	0.492
TCRI46	0.880	0.881	0.333	0.697	0.711	0.827
Mean	<u>0.629</u>	<u>0.491</u>	<u>0.266</u>	<u>0.322</u>	<u>0.320</u>	<u>0.345</u>

Fis

TCM414	-0.481	-0.115	-1.000	NA	NA	NA
TCM496	0.169	-0.015	-0.938	NA	NA	NA
TCM417	-0.077	0.170	NA	0.066	0.285	-0.172
TCM96y	0.148	-0.033	0.000	NA	NA	NA
TCRI35	0.488	0.01	-1.000	-0.206	-0.036	0.071
TCM327	-0.148	-0.064	NA	0.088	0.405	0.014
TCRI46	0.763	0.113	0.769	0.068	-0.034	-0.071
All	<u>0.197</u>	<u>0.043</u>	<u>-0.650</u>	<u>-0.020</u>	<u>0.094</u>	<u>-0.016</u>

Haplotype.div.**(h)**

	0.640 (+/-0.098)	0.230 (+/-0.12)	0.000	0.000	0.000	0.000
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No. poly loci**(s)**

	53	45	0	0	0	0
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Nucleotide div.**(π)**

	0.040 (+/-0.018)	0.020 (+/-0.01)	0.000	0.000	0.000	0.000
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Tajimas D

	1.293	-1.089	0.000	0.000	0.000	0.000
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Fus Fs

	12.442	11.789	n/p	n/p	n/p	n/p
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No. of**individual**

	27	17	9	16	9	10
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No of**haplotype**

	7	3	1	1	1	1
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