Supplementary material

Table S1. Analysis of the meristic characters and biometric measures for specimens of *T. souffia* and *T. muticellus* monitored in the present study (LL= number of scales on the lateral line; SALL= number of scales above the lateral line; SBLL= number of scales below the lateral line; PD= number of rays on dorsal fin; PC= number of rays on caudal fin; PP= number of rays on pectoral fin; PV= number of rays on ventral fin; PA= number of rays on anal fin; TL=total length; FL=fork length; SL=standard length).

			LL	SALL	SBLL	PD	PC	PA	PP	PV	TL (cm)	FL (cm)	SL (cm)
T. souffia	Isonzo River	Min	50.0	9.0	4.0	10.0	19.0	11.0	15.0	9.0	5.1	4.5	4.1
	(*n*=40)	Max	56.0	10.0	5.0	12.0	19.0	13.0	17.0	10.0	15.4	14.1	13.0
		Mean	53.0	9.3	4.2	11.0	19.0	11.8	16.0	9.1	8.6	7.8	7.0
		St. Dev	1.6	0.4	0.4	0.3	0.0	0.4	0.4	0.3	2.7	2.5	2.3
		Median	53.0	9.0	4.0	11.0	19.0	12.0	16.0	9.0	8.6	7.8	7.0
T. muticellus	Chiarò Creek	Min	46.0	9.0	4.0	10.0	19.0	10.0	14.0	7.0	7.1	6.7	6.1
	(*n*=40)	Max	50.0	10.0	5.0	12.0	19.0	12.0	16.0	8.0	14.2	13.2	12.3
		Mean	47.7	9.1	4.1	11.0	19.0	11.1	15.0	7.9	10.2	9.4	8.6
		St. Dev	1.1	0.2	0.3	0.2	0.0	0.4	0.6	0.3	1.9	1.8	1.7
		Median	48.0	9.0	4.0	11.0	19.0	11.0	15.0	8.0	9.7	8.9	8.1
	Natisone River	Min	46.0	8.0	4.0	11.0	19.0	10.0	14.0	8.0	5.0	4.4	4.0
	(*n*=20)	Max	53.0	10.0	5.0	11.0	20.0	11.0	16.0	8.0	8.7	7.9	7.2
		Mean	49.2	9.1	4.6	11.0	19.1	10.9	15.6	8.0	6.7	6.0	5.4
		St. Dev	1.5	0.7	0.5	0.0	0.2	0.3	0.6	0.0	0.9	0.9	0.8
		Median	49.0	9.0	5.0	11.0	19.0	11.0	16.0	8.0	6.7	6.0	5.5
	Miliana Ditch	Min	47.0	8.0	4.0	10.0	19.0	11.0	14.0	8.0	6.4	5.8	5.2
	(*n*=10)	Max	50.0	10.0	5.0	11.0	19.0	12.0	16.0	8.0	8.0	7.3	6.6
		Mean	48.4	9.0	4.1	10.9	19.0	11.1	15.1	8.0	7.0	6.3	5.7
		St. Dev	1.0	0.5	0.3	0.3	0.0	0.3	0.6	0.0	0.5	0.5	0.5
		Median	48.5	9.0	4.0	11.0	19.0	11.0	15.0	8.0	6.8	6.1	5.5
	Cerclizza Ditch	Min	46.0	9.0	3.0	11.0	19.0	10.0	15.0	8.0	4.8	4.3	3.8
	(*n*=20)	Max	50.0	10.0	5.0	11.0	19.0	12.0	16.0	9.0	10.5	9.6	8.8
		Mean	48.3	9.1	4.0	11.0	19.0	11.1	15.4	8.1	6.2	5.6	5.0
		St. Dev	1.2	0.3	0.3	0.0	0.0	0.4	0.5	0.2	1.7	1.6	1.5
		Median	49.0	9.0	4.0	11.0	19.0	11.0	15.0	8.0	5.6	5.0	4.5
	Brentella Ditch	Min	46.0	8.0	4.0	10.0	19.0	10.0	14.0	8.0	6.4	5.8	5.2
	(*n*=20)	Max	51.0	10.0	5.0	11.0	19.0	12.0	16.0	9.0	11.9	10.9	10.0
		Mean	48.2	9.3	4.3	10.9	19.0	10.9	15.3	8.3	7.5	6.8	6.2
		St. Dev	1.3	0.6	0.5	0.4	0.0	0.4	0.7	0.4	1.2	1.1	1.0
		Median	48.0	9.0	4.0	11.0	19.0	11.0	15.0	8.0	7.2	6.5	5.9
	Cividina Ditch	Min	46.0	8.0	4.0	11.0	19.0	8.0	14.0	8.0	7.9	7.4	6.6
	(*n*=15)	Max	49.0	10.0	4.0	11.0	19.0	9.0	16.0	9.0	13.9	12.9	11.7
		Mean	47.5	9.1	4.0	11.0	19.0	8.9	15.0	8.1	11.4	10.3	9.5
		St. Dev	1.1	0.5	0.0	0.0	0.0	0.3	0.7	0.4	1.7	1.6	1.5
		Median	48.0	9.0	4.0	11.0	19.0	9.0	15.0	8.0	11.8	10.7	9.9
	Ledra River	Min	45.0	8.0	4.0	10.0	19.0	10.0	14.0	8.0	7.4	6.7	6.1
	(*n*=40)	Max	49.0	10.0	5.0	11.0	19.0	12.0	16.0	9.0	14.5	13.4	12.3
		Mean	47.0	9.0	4.1	11.0	19.0	11.0	15.2	8.0	9.7	8.9	8.1
		St. Dev	1.1	0.3	0.3	0.2	0.0	0.4	0.6	0.2	1.4	1.3	1.2
		Median	47.0	9.0	4.0	11.0	19.0	11.0	15.0	8.0	9.8	8.9	8.2
	Tagliamento River	Min	45.0	8.0	4.0	8.0	19.0	8.0	14.0	8.0	4.8	4.3	3.8
	(*n*=40)	Max	52.0	10.0	5.0	9.0	19.0	9.0	16.0	9.0	11.7	10.7	9.8
		Mean	47.7	9.1	4.2	9.0	19.0	9.0	15.5	8.0	7.9	7.1	6.5
		St. Dev	1.5	0.4	0.4	0.2	0.0	0.2	0.6	0.2	1.6	1.5	1.4
		Median	47.0	9.0	4.0	9.0	19.0	9.0	15.5	8.0	8.0	7.3	6.6

Table S2. List of GenBank accession numbers for each sample analyzed, including associated species and the amplified genetic marker. The markers analyzed include RAG1 and cytochrome b (cyt b)

Marker	ID seq	GenBank ID	Species
RAG1	VIP19	PQ621658	*T. souffia*
RAG1	VIP15	PQ621659	*T. souffia*
RAG1	VIP9	PQ621660	*T. souffia*
RAG1	VIP8	PQ621661	*T. souffia*
RAG1	VIP6	PQ621662	*T. souffia*
RAG1	VIP4	PQ621663	*T. souffia*
RAG1	VIP2	PQ621664	*T. souffia*
RAG1	VIA15	PQ621665	*T. souffia*
RAG1	VIA11	PQ621666	*T. souffia*
RAG1	VIA8	PQ621667	*T. souffia*
RAG1	VIA6	PQ621668	*T. souffia*
RAG1	VIA5	PQ621669	*T. souffia*
RAG1	VIA4	PQ621670	*T. souffia*
RAG1	VNP9	PQ621671	*T. souffia*
Cytb	VBP2	PQ623242	*T. muticellus*
Cytb	VBP3	PQ623241	*T. muticellus*
Cytb	VBP5	PQ623240	*T. muticellus*
Cytb	VBP6	PQ623239	*T. muticellus*
Cytb	VBP7	PQ623238	*T. muticellus*
Cytb	VBP9	PQ623237	*T. muticellus*
Cytb	VBP10	PQ623236	*T. muticellus*
Cytb	VBP11	PQ623235	*T. muticellus*
Cytb	VBP14	PQ623234	*T. muticellus*
Cytb	VCHA3	PQ623297	*T. muticellus*
Cytb	VCHA4	PQ623296	*T. muticellus*
Cytb	VCHA5	PQ623295	*T. muticellus*
Cytb	VCHA6	PQ623294	*T. muticellus*
Cytb	VCHA7	PQ623293	*T. muticellus*
Cytb	VCHA8	PQ623292	*T. muticellus*
Cytb	VCHA9	PQ623291	*T. muticellus*
Cytb	VCHA12	PQ623300	*T. muticellus*
Cytb	VCHA14	PQ623299	*T. muticellus*
Cytb	VCHA16	PQ623298	*T. muticellus*
Cytb	VIA3	PQ621677	*T. souffia*
Cytb	VIA4	PQ621678	*T. souffia*
Cytb	VIA5	PQ621679	*T. souffia*
Cytb	VIA6	PQ621680	*T. souffia*
Cytb	VIA7	PQ621681	*T. souffia*
Cytb	VIA8	PQ621682	*T. souffia*
Cytb	VIA11	PQ621672	*T. souffia*
Cytb	VIA12	PQ621673	*T. souffia*
Cytb	VIA14	PQ621674	*T. souffia*
Cytb	VIA15	PQ621675	*T. souffia*
Cytb	VIA19	PQ621676	*T. souffia*
Cytb	VIP2	PQ621685	*T. souffia*
Cytb	VIP4	PQ621686	*T. souffia*
Cytb	VIP6	PQ621687	*T. souffia*
Cytb	VIP7	PQ621688	*T. souffia*
Cytb	VIP8	PQ621689	*T. souffia*

Cytb	VIP9	PQ621690	*T. souffia*
Cytb	VIP15	PQ621683	*T. souffia*
Cytb	VIP19	PQ621684	*T. souffia*
Cytb	VLA1	PQ623290	*T. muticellus*
Cytb	VLA3	PQ623286	*T. muticellus*
Cytb	VLA4	PQ623285	*T. muticellus*
Cytb	VLA11	PQ623289	*T. muticellus*
Cytb	VLA12	PQ623288	*T. muticellus*
Cytb	VLA14	PQ623287	*T. muticellus*
Cytb	VLP14	PQ623284	*T. muticellus*
Cytb	VLP20	PQ623283	*T. muticellus*
Cytb	VMP1	PQ623273	*T. muticellus*
Cytb	VMP2	PQ623274	*T. muticellus*
Cytb	VMP3	PQ623276	*T. muticellus*
Cytb	VMP4	PQ623275	*T. muticellus*
Cytb	VMP5	PQ623277	*T. muticellus*
Cytb	VMP6	PQ623279	*T. muticellus*
Cytb	VMP7	PQ623280	*T. muticellus*
Cytb	VMP8	PQ623281	*T. muticellus*
Cytb	VMP9	PQ623282	*T. muticellus*
Cytb	VMP10	PQ623278	*T. muticellus*
Cytb	VNP9	PQ621691	*T. souffia*
Cytb	VNP11	PQ623272	*T. muticellus*
Cytb	VNP12	PQ623271	*T. muticellus*
Cytb	VNP15	PQ623270	*T. muticellus*
Cytb	VNP16	PQ623269	*T. muticellus*
Cytb	VNP20	PQ623268	*T. muticellus*
Cytb	VTA1	PQ623267	*T. muticellus*
Cytb	VTA2	PQ623259	*T. muticellus*
Cytb	VTA4	PQ623257	*T. muticellus*
Cytb	VTA5	PQ623256	*T. muticellus*
Cytb	VTA6	PQ623255	*T. muticellus*
Cytb	VTA7	PQ623254	*T. muticellus*
Cytb	VTA8	PQ623253	*T. muticellus*
Cytb	VTA9	PQ623252	*T. muticellus*
Cytb	VTA10	PQ623266	*T. muticellus*
Cytb	VTA13	PQ623265	*T. muticellus*
Cytb	VTA14	PQ623264	*T. muticellus*
Cytb	VTA15	PQ623263	*T. muticellus*
Cytb	VTA16	PQ623261	*T. muticellus*
Cytb	VTA17	PQ623262	*T. muticellus*
Cytb	VTA19	PQ623260	*T. muticellus*
Cytb	VTA20	PQ623258	*T. muticellus*
Cytb	VTP1	PQ623251	*T. muticellus*
Cytb	VTP2	PQ623247	*T. muticellus*
Cytb	VTP3	PQ623246	*T. muticellus*
Cytb	VTP5	PQ623245	*T. muticellus*
Cytb	VTP6	PQ623244	*T. muticellus*
Cytb	VTP9	PQ623243	*T. muticellus*
Cytb	VTP13	PQ623250	*T. muticellus*
Cytb	VTP14	PQ623249	*T. muticellus*
Cytb	VTP15	PQ623248	*T. muticellus*