

Table S1 Summary of sampling localities for *Rhynchocypris oxycephalus* and outgroups. The locality numbers correspond to Figure 1. Site, coordinates (longitude/latitude), sample size, voucher ID number, *Cytb* haplotype and identified lineages, nuclear clade, and GenBank accession number for *Cytb* and *RAG2* are presented.

Species	Site (number)	Longitude	Latitude	Sample size	Voucher No.	<i>Cytb</i> Hap	MtDNA Lineage	<i>RAG2</i> clade	GenBank Accession No.	
									<i>Cytb</i>	<i>RAG2</i>
Ingroup										
<i>R. oxycephalus</i>	1	119.67	30.37	29	20101449	hap 1	C2		KM675120	
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					20101451	hap 1	C2		KM675120	
					20101452	hap 4	C2		KM675123	
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					20101454	hap 1	C2		KM675120	
					20101455	hap 1	C2		KM675120	
					20101456	hap 4	C2		KM675123	
					20101457	hap 1	C2	III	KM675120	KM675074
					20101458	hap 4	C2	III	KM675123	KM675074
					20101459	hap 1	C2		KM675120	
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					20101461	hap 4	C2		KM675123	
					20101463	hap 1	C2		KM675120	
					20101464	hap 1	C2		KM675120	
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					20101466	hap 1	C2		KM675120	
					20101467	hap 1	C2		KM675120	
					20101468	hap 1	C2		KM675120	
					20101469	hap 4	C2		KM675123	

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				20101471	hap 1	C2		KM675120	
				20101472	hap 1	C2		KM675120	
				20101473	hap 1	C2		KM675120	
				20101474	hap 1	C2		KM675120	
				20101475	hap 1	C2		KM675120	
				20101476	hap 4	C2		KM675123	
				20101477	hap 1	C2		KM675120	
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				20101338	hap 5	C2		KM675124	
				20101339	hap 5	C2	III	KM675124	KM675061
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				20101341	hap 5	C2		KM675124	
				20101342	hap 5	C2		KM675124	
				20101343	hap 5	C2		KM675124	
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				20101349	hap 5	C2		KM675124	
				20101350	hap 5	C2		KM675124	
				20101351	hap 2	C2		KM675121	
				20101352	hap 2	C2	III	KM675121	KM675061
				20101353	hap 2	C2		KM675121	

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				20101355	hap 2	C2		KM675121	
				20101356	hap 2	C2		KM675121	
				20101357	hap 2	C2		KM675121	
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				20101205	hap 8	C2		KM675127	
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				20101207	hap 8	C2		KM675127	
				20101208	hap 8	C2		KM675127	
				20101209	hap 6	C2		KM675125	
				20101210	hap 8	C2		KM675127	
				20101211	hap 8	C2	III	KM675127	KM675111
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				20101161	hap 8	C2		KM675127	
				20101163	hap 8	C2		KM675127	
				20101164	hap 11	C2	III	KM675127	KM675061
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				20101169	hap 8	C2		KM675127	
				20101170	hap 8	C2		KM675127	
				20101171	hap 7	C2	III	KM675126	KM675061
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				1004003	hap 3	C2		KM675122	
				1004004	hap 9	C2		KM675128	
				1004005	hap 3	C2		KM675122	
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				1004012	hap 3	C2		KM675122	
				1004014	hap 3	C2	III	KM675122	KM675067
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11 119.83 28.83 26

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20101102	hap 42	C2	III	KM675158	KM675062
20101103	hap 46	C2		KM675162	
20101104	hap 44	C2	III	KM675160	KM675062
20101106	hap 47	C2		KM675163	
20101107	hap 43	C2	III	KM675159	KM675062
20101108	hap 45	C2		KM675161	
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				1004078	hap 50	C2		KM675166	
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				20110333	hap 57	C1		KM675173	
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				20120803	hap 110	C1		KM675224	
				20120804	hap 105	C1		KM675219	KM675101
				20120805	hap 70	C1		KM675184	KM675103
				20120806	hap 71	C1		KM675185	KM675104
				20120807	hap 74	C1		KM675188	KM675087
				20120808	hap 75	C1		KM675189	KM675097
				20120809	hap 73	C1		KM675187	KM675105
				20120810	hap 77	C1		KM675191	
				20120811	hap 69	C1		KM675183	KM675096

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				20120813	hap 111	C1	KM675225	
				20120814	hap 123	C1	KM675237	
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				20120816	hap 78	C1	KM675192	
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				20120818	hap 71	C1	KM675185	
				20120819	hap 104	C1	KM675218	KM675100
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				20120821	hap 122	C1	KM675236	
				20120822	hap 112	C1	KM675226	
				20120823	hap 106	C1	KM675220	
				20120824	hap 102	C1	KM675216	KM675076
				20120825	hap 103	C1	KM675217	KM675091
				20120826	hap 107	C1	KM675221	
				20120827	hap 114	C1	KM675228	
				20120828	hap 109	C1	KM675223	
				20120829	hap 108	C1	KM675222	
				20120830	hap 113	C1	KM675227	
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				20120835	hap 81	C1	KM675195	
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				20120837	hap 118	C1	KM675232	KM675079
				20120838	hap 81	C1	KM675195	
				20120839	hap 86	C1	KM675200	
				20120840	hap 80	C1	KM675194	
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				20120845	hap 87	C1	KM675201	
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				20120847	hap 87	C1	KM675201	
				20120848	hap 82	C1	KM675196	KM675078
				20120849	hap 87	C1	KM675201	
				20120850	hap 80	C1	KM675194	
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				20101579	hap 60	B2	II	KM675176	KM675064
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				20101582	hap 60	B2	II	KM675176	KM675064
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32 111.84 34.93 27

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20120868	hap 90	B1	II	KM675204	KM675064
20120869	hap 101	B2		KM675215	
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20120874	hap 92	B1		KM675206	
20120876	hap 91	B1		KM675205	
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20120879	hap 101	B2	II	KM675215	KM675064
20120880	hap 92	B1		KM675206	

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20120885	hap 124	B2	II	KM675238	KM675064
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20120890	hap 101	B2		KM675215	
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20120904	hap 91	B1		KM675205	
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20120916	hap 96	B2		KM675210	
20120917	hap 99	B2	II	KM675213	KM675094
20120918	hap 96	B2		KM675210	
20120919	hap 97	B2		KM675211	
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20120924	hap 94	B2		KM675208	KM675064
20120925	hap 93	B2	II	KM675207	
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20120931	hap 94	B2	II	KM675208	
20120932	hap 94	B2		KM675208	
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20120934	hap 93	B2		KM675207	KM675064
20120935	hap 94	B2	II	KM675208	

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20120937	hap 94	B2		KM675208	
20120938	hap 94	B2		KM675208	
20120939	hap 94	B2		KM675208	
20120940	hap 89	A		KM675203	
20120941	hap 89	A		KM675203	
20120942	hap 89	A	I	KM675203	KM675095
20120943	hap 89	A		KM675203	
20120944	hap 89	A		KM675203	
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20120947	hap 89	A		KM675203	
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20120949	hap 89	A		KM675203	
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20120961	hap 89	A		KM675203	

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			20120963	hap 89	A	KM675203	
			20120964	hap 89	A	KM675203	
			20120965	hap 89	A	KM675203	
			20120966	hap 89	A	KM675203	
			20120967	hap 89	A	KM675203	
			20120968	hap 89	A	KM675203	
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				hap 67	A	AB236730	
Outgroup							
<i>R.lagowaskii</i>		4	20101595	hap 126		KM675117	
			20101596				KM675112
			20101597	hap 127		KM675118	KM675113
			20101608	hap 128		KM675119	
