

Additional file 1: Repeatability of measurements for flow cytometry values determining genome sizes.

Sub-family	Genus. species	Field reference	C value (pg) mean / triplicate	Measure STDEVA	Mean STDEVA
Trematomiinae	<i>Teu</i>	CE 4011	1.261	0.013	0.017
	<i>Tpe</i>	CE 4313	1.145	0.016	
	<i>Tbo</i>	CE 5560	1.052	0.024	
		CE 5561	1.078	0.023	
		CE 5562	0.994	0.018	
		CE 5656	1.061	0.018	
		CE 5655	0.970	0.011	
		CE 5662	1.174	0.004	
		CE 5664	1.313	0.031	
		CE 5662	1.124	0.003	
	<i>Tha</i>	CE 4002	1.257	0.015	0.010
		CE 4003	1.271	0.016	
		CE 4004	1.331	0.012	
		CE 4316	1.193	0.008	
		CE 5708	1.154	0.009	
		CE 5711	1.052	0.016	
		CE 5738	1.248	0.007	
		CE 5856	1.320	0.005	
		CE 5880	1.307	0.005	
		CE 5660 (M)	1.288	0.008	
		CE 5661 (F)	1.304	0.008	
		CE 5664	1.364	0.010	
	<i>Tbe</i>	Ich 1098	1.059	0.005	0.014
		Ich 1099	1.231	0.016	
		Ich 1100	1.081	0.020	
		Ich 1101	1.257	0.010	
		Ich 1102	1.141	0.021	
		Ich 1114	1.213	0.000	
		CE 4315	1.087	0.031	
		CE 4314	1.178	0.007	
		CE 5709	1.096	0.016	
		CE 5737	1.051	0.026	
		CE 6042	1.093	0.045	
		CE 6043	1.076	0.003	
		CE 6091	1.118	0.002	
		CE 6092	1.033	0.005	
		CE 5658	1.100	0.014	
		CE 5669	1.238	0.010	
		CE 5685	0.991	0.004	
<i>Tlo</i>	CE 5916	1.340	0.004	0.018	
<i>Tne</i>	CE 4319	1.007	0.021		
	TA 456	1.289	0.014		
Nototheniinae	<i>Tni</i>	Ich 1115 (F)	1.206	0.007	0.008
		CE 5684	1.127	0.009	
	<i>Nco</i>	Ich 1095 (F)	1.432	0.099	0.049
		Ich 1096 (F)	1.404	0.034	
		Ich 1097 (F)	1.236	0.013	
Dissostichinae	<i>Dma</i>	CE 4054 (M)	1.001	0.036	0.019
		CE 4055 (F)	1.004	0.009	
		CE 4056 (F)	1.050	0.011	
Mean			1.168	0.015	0.017

When identified, the sex of the specimen is indicated next to the field number M: male, F: female.