

Supplementary Tables for "*Brachylaïma* spp. (Trematoda) parasitizing *Cornu aspersum* (Gastropoda) in France with potential risk for human consumption." Claudia Gérard, Armelle Ansart, Nolwenn Decanter, Marie-Claire Martin and Maxime Dahirel

Supplementary Table 1. Percentages of identity between the 28S sequences used in the present study. Values were estimated based on aligned sequences using the SeqinR package (Charif and Lobry 2007, doi:10.1007/978-3-540-35306-5_10)

Species/sample name	GenBank acc.n°	LC198310	MN817938	MN817939	MN817940	AY222167	DQ060330	AF182622	MN817937	LC349000	LC349001	KP938187	AF184261	AY222169	KP938186	MH915390	AB494468	AY222168	AY222170	FJ609423	GQ339114	
<i>Brachylaïma ezohelicis</i>	LC198310																					
AR-Sporo-2	MN817938	98.5																				
AR-Sporo-3	MN817939	98.5	100																			
AR-Sporo-4	MN817940	98.5	100	100																		
<i>Brachylaïma</i> sp. Australia	AY222167	96.99	96.83	96.83	96.83																	
<i>Brachylaïma virginianum</i>	DQ060330	96.12	96.2	96.2	96.2	97.93																
<i>Brachylaïma thompsoni</i>	AF182622	97.85	98.08	98.08	98.08	96.8	95.95															
AR-Sporo-1	MN817937	96.52	96.6	96.6	96.6	96.2	95.13	96.73														
<i>Brachylaïma asakawai</i>	LC349000	98.74	98.81	98.81	98.81	97.23	96.53	98.48	96.76													
<i>Brachylaïma asakawai</i>	LC349001	98.74	98.81	98.81	98.81	100	96.53	98.48	96.76	100												
<i>Leuconchidium paradoxum</i>	KP938187	88.76	89.31	89.31	89.31	88.57	87.76	88.41	87.97	89.15	89.15											
<i>Leuconchidium perturbatum</i>	AF184261	88.65	89.21	89.21	89.21	88.46	87.76	88.41	87.85	89.05	89.05	100										
<i>Leuconchidium perturbatum</i>	AY222169	88.76	89.31	89.31	89.31	88.57	87.76	88.41	87.97	89.15	89.15	100	100									
<i>Leuconchidium perturbatum</i>	KP938186	88.76	89.31	89.31	89.31	88.57	87.76	88.41	87.97	89.15	89.15	100	100	100								
<i>Postharmostomum commutatum</i>	MH915390	85.33	85.66	85.66	85.66	85.45	84.95	85.66	84.83	85.57	85.57	85.07	85.07	85.07	85.07	85.07						
<i>Urogenimus macrostomus</i>	AB494468	89.87	90.11	90.11	90.11	89.69	88.93	90.26	89	90.27	90.27	91.46	91.37	91.46	91.46	88.79						
<i>Urogenimus macrostomus</i>	AY222168	89.56	89.79	89.79	89.79	89.37	88.6	89.94	88.69	89.95	89.95	91.46	91.37	91.46	91.46	88.79	99.68					
<i>Zeylanotrema sperei</i>	AY222170	86.43	86.35	86.35	86.35	85.84	84.99	86.06	85.56	86.27	86.27	85.86	85.73	85.86	85.86	84.31	88.97	88.97				
<i>Clinostomum phalacrocoracis</i>	FJ609423	83.31	83.39	83.39	83.39	83.03	82.48	83.15	82.75	83.47	83.47	82.66	82.49	82.66	82.66	81.28	84.34	84.18	83.17			
<i>Clinostomum cutaneum</i>	GQ339114	83.31	83.39	83.39	83.39	83.03	82.48	83.15	82.75	83.47	83.47	82.66	82.49	82.66	82.66	81.28	84.34	84.18	83.17	99.92		
<i>Clinostomum complanatum</i>	MH491531	83.07	83.15	83.15	83.15	82.79	82.14	82.91	82.51	83.23	83.23	82.42	82.25	82.42	82.42	81.03	84.26	84.1	83.09	99.6	99.52	

Supplementary Table 2. Percentages of identity between the COI sequences used in the present study. Values were estimated based on aligned sequences using the SeqinR package (Charif and Lobry 2007, doi:10.1007/978-3-540-35306-5_10)

Species/sample name	GenBank acc.n°	MN849923	MN848408	KT074962	MN848409	MN848411	MN848410	KT074963	KP903684	LC198314	LC198315	LC198316	LC349006	LC349007	LC349008	MK882507	MK882508	MK882506	KP903654	KP903656	KP903667	KP903644	MK882503	MK882504	MK882502	MH919409	
TF-Meta-1	MN849923																										
AR-Sporo-1	MN848408	98.51																									
<i>Brachylaïma mesostoma</i>	KT074962	84.6	86.13																								
AR-Sporo-2	MN848409	85.2	85.77	97.63																							
AR-Sporo-4	MN848411	85.5	86.03	97.8	99.62																						
AR-Sporo-3	MN848410	85.5	86.03	97.8	99.62	100																					
<i>Brachylaïma mesostoma</i>	KT074963	89.57	87.01	96.3	98.14	98.14	98.14																				
<i>Brachylaïma mesostoma</i>	KP903684	89.3	86.87	95.68	98.16	98.16	98.16	99.45																			
<i>Brachylaïma ezohelicis</i>	LC198314	84.3	85.75	84.43	84.62	84.49	84.49	85.54	85.98																		
<i>Brachylaïma ezohelicis</i>	LC198315	84.16	85.75	84.43	84.74	84.62	84.62	86.28	85.84	99.62																	
<i>Brachylaïma ezohelicis</i>	LC198316	84.3	85.88	84.43	84.87	84.74	84.74	86.59	86.14	99.75																	
<i>Brachylaïma asakawai</i>	LC349006	86.4	88.04	84.94	85.26	85.26	85.26	86.28	85.84	86.13	85.88	86.01															
<i>Brachylaïma asakawai</i>	LC349007	86.7	88.3	85.28	85.64	85.64	85.64	86.59	86.14	86.26	86.01	86.13	99.62														
<i>Brachylaïma asakawai</i>	LC349008	86.7	88.3	85.11	85.51	85.51	85.51	86.59	86.14	86.26	86.01	86.13	99.49	99.87													
<i>Urogenimus macrostomus</i>	MK882507	74.66	74.78	73.1	75	75	75	75.07	75.07	74.26	73.96	74.26	76.33	76.04	76.04												
<i>Urogenimus macrostomus</i>	MK882508	74.21	74.49	72.41	74.7	74.7	74.7	75.07	74.79	74.56	74.26	74.56	76.63	76.33	76.33	99.19											
<i>Urogenimus macrostomus</i>	MK882506	76.75	77.56	77.44	76.73	76.73	76.73	76.08	76.07	76.45	76.18	75.9	77.56	77.29	77.29	96.14	96.14										
<i>Leuconchidium vogtianum</i>	KP903654	78.39	78.71	76.4	76.98	76.98	76.98	75.58	76.02	77.72	77.97	77.72	77.72	77.48	77.48	74.89	74.45	76.53									
<i>Leuconchidium vogtianum</i>	KP903656	78.39	78.71	76.4	76.98	76.98	76.98	75.58	76.02	77.72	77.97	77.72	77.72	77.48	77.48	74.89	74.45	76.53	100								
<i>Leuconchidium vogtianum</i>	KP903667	78.39	78.71	76.4	76.98	76.98	76.98	75.58	76.02	77.72	77.97	77.72	77.72	77.48	77.48	74.89	74.45	76.53	100	100							
<i>Leuconchidium perturbatum</i>	KP903644	76.75	77.06	73.03	77.58	77.58	77.58	78.02	77.98	77.94	77.35	77.94	78.24	77.94	77.94	78.98	79.28	78.62	83.33	83.33	83.33						
<i>Leuconchidium paradoxum</i>	MK882503	75.79	78.93	71.05	78.57	78.57	78.57	78.93	78.21	78.21	77.86	78.21	80	80.36	80.36	78.57	78.57	79.29	83.16	83.16	83.16	86.43					
<i>Leuconchidium paradoxum</i>	MK882504	75.26	78.57	70.18	78.21	78.21	78.21	78.57	77.86	77.86	77.5	78.21	80	80.36	80.36	78.57	78.57	79.29	82.65	82.65	82.65	86.43	99.64				
<i>Leuconchidium paradoxum</i>	MK882502	76.84	79.64	71.93	79.29	79.29	79.29	79.64	79.64	78.21	78.21	77.86	80.71	81.07	81.07	79.29	79.29	80	83.67	83.67	83.67	86.43	98.29	98.93			
<i>Postharmostomum commutatum</i>	MH919409	79.37	80.03	77.89	78.45	78.45	78.45	78.66	78.31	79.13	78.87	79	79.13	79.26	79.26	79.29	78.99	80.89	75.99	75.99	75.99	76.47	77.5	77.5	78.21		
<i>Clinostomum cutaneum</i>	KP110516	46.41	47.23	44.41	46.56	46.56	46.56	47.92	47.6	47.45	47.67	47.89	48.34	48.34	48.34	47.99	47.32	45.13	45.4	45.4	45.4	47.54	47.19	47.19	47.57	46.12	

Supplementary Table 3. Percentages of identity between the COI-28S supergene alignment sequences used in the present study. GenBank accession numbers refer respectively to 28S and COI sequences. Values were estimated based on aligned sequences using the SeqinR package (Charif and Lobry 2007, doi:10.1007/978-3-540-35306-5_10)

Species/sample name	GenBank acc.n°	MN817937/MN848408	MN817938/MN848409	MN817939/MN848410	MN817940/MN848411	LC349000/LC349006	LC198310/LC198316	MH915390/MH919409	KP938187/MK882502	KP938186/KP903644	AY222168/MK882507
AR-Sporo-1	MN817937/MN848408										
AR-Sporo-2	MN817938/MN848409	92.48									
AR-Sporo-3	MN817939/MN848410	92.58	99.85								
AR-Sporo-4	MN817940/MN848411	92.58	99.85	100							
<i>Brachylaïma asakawai</i>	LC349000/LC349006	93.38	93.6								