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Supplementary Table 1. The prevalence of human clonorchiasis, according to a range of local surveys in China, after the last national survey in 2003.

Province/city	Population Examined	infection	Prevalence % (mean)	Detection method	Years	Males examined	Males infected	Males infected %	Females examined	Females infected	Females infected %
Anhui ¹	720	3	0.42	Kato-katz	2008	360	2	0.56	360	1	0.28
Chongqing ²	2059	4	0.19	Kato-katz	2009						
Guangdong ³⁻⁴⁵	179756	15435	0.12-60.70(8.59)	Kato-katz or ELISA	2004-2012	76222	8179	10.73	65085	5029	7.73
Guangxi ⁴⁶⁻⁵⁸	144073	14234	1.19-56.58(9.88)	FECT, Kato-katz, ultrasound	2005-2014	33353	6976	20.92 ^b	21083	1511	7.17 ^b
Heilongjiang ^{59,60}	4177	518	0.28-21.75 ^a (12.40)	Kato-katz	2009-2012	3440	1157	33.63 ^b	1278	310	24.26 ^b
Hunan ^{61-63,c}	9313	3195	0.6-91.32(34.31)	Kato-katz	2006-2012	4134	1491	36.07	4099	1391	33.94
Jilin ^{64-68,c}	10694	1979	0.08-78.80(18.51)	FECT, Kato-katz	2006-2011	5532	1298	23.46 ^b	5162	675	13.08 ^b
Jiangsu ⁶⁹⁻⁷¹	10113	81	0.10-1.77(0.80)	Kato-katz	2005-2011	368	1	0.27	414	0	0
Liaoning ⁷²⁻⁷⁴	3972	123	0.46-17.6(3.10)	Kato-katz	2007-2011	1072	64	5.97	983	50	5.09
Shandong ^{75,76}	11580	10	0.06-0.37(0.08)	Kato-katz	2005-2009	1059	9	0.85	1092	1	0.09
Shanghai ⁷⁷	31239	0	0	Kato-katz	2005-2010						
Sichuan ⁷⁸	4016	4	0.1	Kato-katz	2005-2006						
Zhejiang ⁷⁹	821	19	0-6.32(2.31)	ELISA	2010						

^a40.44% of 2359 patients were positive with *C. sinensis* infection by ELISA detection in contrast to 21.75% by Kato-katz methods.

^bSignificantly higher infection rates were found in males than in females.

^cEndemic area data only in Hunan and Jilin provinces.

FECT: formalin ether concentration technique.

Supplementary Table 2: Prevalence of *Clonorchis sinensis* in various species of animal in China during the last decade.

Host type	Province/City	Species	Sample size	Positive	Prevalence%(mean)	Years	Detection Methods ^a
1 st intermediate host	Guangdong	<i>Alocinma longicornis</i> ⁸⁰⁻⁸²	865	14	0.88-8.24(1.62)	2002-2008	Microscopy and qPCR
		<i>Bithynia fuchsianus</i> ⁸⁰	97	12	12.37	2006-2008	qPCR
		<i>Parafossarulus sinensis</i> ⁸⁰	110	13	11.82	2006-2008	qPCR
		<i>Parafossarulus striatulus</i> ⁸⁰⁻⁸²	22352	104	0.28-20.10(0.47)	2002-2009	Microscopy and qPCR
	Hunan	<i>A. longicornis</i> ⁸³	27	2	7.41	2006-2009	Microscopy
		<i>P. striatulus</i> ⁸³	167	29	17.37	2006-2009	Microscopy
	Jiangsu	<i>A. longicornis</i> ⁸⁴	572	2	0.35	2006	Microscopy
		<i>P. striatulus</i> ⁸⁴	435	8	1.84	2006	Microscopy
	Liaoning	<i>P. striatulus</i> ⁷⁴	413	22	5.33	2007	Microscopy
	2 nd intermediate host	Anhui	<i>Carassius auratus</i> ⁸⁵	77	5	6.50	2003
<i>Criihina molitorella</i> ⁸⁵			39	1	2.60	2003	Microscopy
<i>Cyprinus carpio</i> ⁸⁵			65	4	6.20	2003	Microscopy
<i>Hypophthalmichthys molitrix</i> ⁸⁵			57	3	5.30	2003	Microscopy
<i>Parabramis pekinensis</i> ⁸⁵			26	0	0.00	2003	Microscopy
<i>Pseudorasbora parva</i> ⁸⁵			183	58	31.70	2003	Microscopy
Guangdong		<i>C. auratus</i> ^{6,33,86,87}	47	5	0-12(10.64)	2007-2012	Microscopy
		<i>Channa argus</i> ^{80,86,88}	104	15	0-16.60(14.42)	2005-2008	Microscopy and qPCR
		<i>Clarias fuscus</i> ^{86,89}	15	3	0-16.60(14.42)	2005-2008	Microscopy and qPCR
		<i>C. molitorella</i> ^{6,33,80,86-88,90,91}	541	170	0-52.10(31.42)	2005-2012	Microscopy and qPCR
		<i>Ctenopharyngodon idellus</i> ^{6,33,80-82,86-93}	1683	475	5.0-100(21.19)	2002-2012	Microscopy and qPCR
		<i>C. carpio</i> ^{80,86,88,89}	298	58	7.69-22.58(19.46)	2005-2009	Microscopy and qPCR
		<i>Fishes</i> ⁹⁴	25	4	16.00	2006	Microscopy
		<i>Hemiculter leucisculus</i> ⁹⁰	341	89	26.10	2006	Microscopy
		<i>H. molitrix</i> ^{81,82,86,87}	675	29	0-7.14(4.30)	2002-2008	Microscopy
		<i>Hypophthalmichthys nobilis</i> ^{6,33,80,86-88,90,91}	639	62	1.67-23.40(9.70)	2005-1012	Microscopy and qPCR
		<i>Micropterus salmoides</i> ⁸⁶	1	0	0.00	2007-2008	Microscopy
		<i>Monopterus albus</i> ⁸⁹	119	17	14.29	2008-2009	Microscopy
		<i>P. pekinensis</i> ⁸⁹	27	0	0.00	2008-2009	Microscopy
		<i>Parasilurus asotus</i> ^{86,89}	55	0	0.00	2007-2009	Microscopy
<i>P. parva</i> ^{81,82,89,90}	864	583	55.56-84.30(67.48)	2002-2009	Microscopy		
<i>Rhodeus sinensis</i> ^{81,82}	658	113	9.58-25.00(17.17)	2002-2007	Microscopy		

	<i>Shrimps</i> ^{5,90,92,94}	415	11	0-7.70(2.65)	2006-2012	Microscopy
	<i>Siniperca chuatsi</i> ⁸⁶	22	0	0.00	2007-2008	Microscopy
	<i>Spinibarbas yunnanensis</i> ³³	-	-	0.00	2007-2012	Microscopy
	<i>Tilapia mossambica</i> ^{33,80,86-88,90,91,93}	488	49	0-19.60(10.04)	2003-2012	Microscopy and qPCR
Guangxi	<i>C. auratus</i> ⁹⁵	1103	91	8.25	2008-2009	Microscopy
	<i>C. fuscus</i> ⁹⁵	67	4	5.97	2008-2009	Microscopy
	<i>Cranoglanis boudierus</i> ⁹⁵	71	0	0.00	2008-2009	Microscopy
	<i>C. molitorella</i> ⁹⁵	197	17	8.62	2008-2009	Microscopy
	<i>C. idellus</i> ⁹⁵	1352	172	12.72	2008-2009	Microscopy
	<i>C. carpio</i> ⁹⁵	981	79	8.05	2008-2009	Microscopy
	<i>Erythroculter hypselonotus</i> ⁹⁵	883	91	10.30	2008-2009	Microscopy
	<i>E. ilishaeformis</i> ⁹⁵	156	11	7.05	2008-2009	Microscopy
	<i>Gnathopogon argentatus</i> ⁹⁵	109	9	8.25	2008-2009	Microscopy
	<i>H. leucisculus</i> ^{95,96}	1766	283	11.25-17.70(16.02)	2006-2009	Microscopy
	<i>H. molitrix</i> ⁹⁵	563	60	10.65	2008-2009	Microscopy
	<i>H. nobilis</i> ⁹⁵	634	53	8.35	2008-2009	Microscopy
	<i>Longnose gudgeon</i> ⁹⁶	427	17	3.90	2006	Microscopy
	<i>Megalobrama skolkovii</i> ⁹⁵	57	3	5.26	2008-2009	Microscopy
	<i>Misgurnus anguillicaudatus</i> ⁹⁵	200	9	4.50	2008-2009	Microscopy
	<i>M. albus</i> ⁹⁵	200	5	2.50	2008-2009	Microscopy
	<i>Mystus guttatus</i> ⁹⁵	62	0	0.00	2008-2009	Microscopy
	<i>Onychosotoma gerlachi</i> ⁹⁵	93	7	7.52	2008-2009	Microscopy
	<i>Opsariichthys bidens</i> ⁹⁵	52	3	5.77	2008-2009	Microscopy
	<i>P. pekinensis</i> ⁹⁵	67	5	7.46	2008-2009	Microscopy
	<i>Pelteobagrus fulvidraco</i> ⁹⁵	279	3	1.07	2008-2009	Microscopy
	<i>Pseudohemiculter dispar</i> ⁹⁵	1207	195	16.15	2008-2009	Microscopy
	<i>Pseudolaubuca sinensis</i> ^{95,96}	1569	138	5.90-9.65(8.80)	2006-2009	Microscopy
	<i>P. parva</i> ⁹⁵	703	151	21.47	2008-2009	Microscopy
	<i>Ptychidio jordani</i> ⁹⁵	72	3	4.16	2008-2009	Microscopy
	<i>Saurogobio dabryi</i> ⁹⁵	1307	77	5.90	2008-2009	Microscopy
	<i>Sinilabeo decorus</i> ⁹⁵	73	5	6.85	2008-2009	Microscopy
	<i>Siniperca kneri</i> ⁹⁵	81	3	2.44	2008-2009	Microscopy
	<i>Siniperca scherzeri</i> ⁹⁵	117	3	2.56	2008-2009	Microscopy
	<i>Siniperca whiteheadi</i> ⁹⁵	60	0	0.00	2008-2009	Microscopy

	<i>Spualio barbatus Curriculus</i> ⁹⁵	783	92	11.74	2008-2009	Microscopy
	<i>T. mossambica</i> ⁹⁵	525	33	6.28	2008-2009	Microscopy
	<i>Xenocypris argentea</i> ⁹⁵	341	17	4.99	2008-2009	Microscopy
	<i>Xenocypris davidi</i> ⁹⁵	510	23	4.50	2008-2009	Microscopy
	<i>Zacco platypus</i> ⁹⁵	732	130	17.75	2008-2009	Microscopy
Heilongjiang	<i>C. auratus</i> ⁹⁷	68	25	36.76	2012	Microscopy
	<i>C. carpio</i> ⁹⁷	12	1	8.33	2012	Microscopy
	<i>M. anguillicaudatus</i> ⁹⁷	89	2	2.25	2012	Microscopy
	<i>P. asotus</i> ⁹⁷	21	0	0.00	2012	Microscopy
	<i>P. parva</i> ⁹⁷	181	72	39.78	2012	Microscopy
Hubei	<i>Fishes</i> ⁹⁸	1502	131	8.72	1985-2006	Microscopy
Hunan	<i>C. auratus</i> ^{83,99}	138	22	2.3-69.2(15.94)	2002-2006	Microscopy
	<i>C. idellus</i> ^{83,99}	56	3	0-9.38(5.36)	2005-2009	Microscopy
	<i>C. carpio</i> ^{83,99}	57	4	5.30-7.89(7.02)	2002-2009	Microscopy
	<i>H. molitrix</i> ⁹⁹	42	2	4.76	2002-2005	Microscopy
	<i>H. nobilis</i> ⁹⁹	36	3	8.33	2002-2005	Microscopy
	<i>P. pekinensis</i> ⁹⁹	45	5	11.11	2002-2005	Microscopy
Jiangsu	<i>Abbottina rivularis</i> ⁸⁴	125	8	6.40	2006	Microscopy
	<i>C. auratus</i> ¹⁰⁰	36	4	11.10	2004	Microscopy
	<i>C. idellus</i> ⁸⁴	62	0	0.00	2006	Microscopy
	<i>C. carpio</i> ⁸⁴	15	0	0.00	2006	Microscopy
	<i>Hemiculterella sauvagei</i> ¹⁰⁰	31	1	3.20	2004	Microscopy
	<i>H. molitrix</i> ⁸⁴	18	0	0.00	2006	Microscopy
	<i>M. anguillicaudatus</i> ¹⁰⁰	50	2	4.00	2004	Microscopy
	<i>P. pekinensis</i> ¹⁰⁰	30	2	6.70	2004	Microscopy
	<i>Procambarus clarkii</i> ¹⁰⁰	50	1	2.00	2004	Microscopy
	<i>P. parva</i> ^{84,100}	353	208	72.10-57.10(58.92)	2004-2006	Microscopy
	<i>R. sinensis</i> ¹⁰⁰	58	11	19.00	2004	Microscopy
Liaoning	<i>A. rivularis</i> ^{101,102}	580	532	88.30-95.80(91.72)	2004-2009	Microscopy
	<i>Canthorhodeus chankaensis</i> ^{101,102}	160	2	1.25	2004-2009	Microscopy
	<i>C. auratus</i> ^{74,103,104}	962	79	0-44.90(8.21)	2007-2011	Microscopy
	<i>C. idellus</i> ^{74,103,104}	75	9	10-28.57(12)	2007-2011	Microscopy
	<i>C. carpio</i> ^{73,74,101-104}	159	16	0-25.47(10.06)*	2004-2011	Microscopy
	<i>Erythroculter ilishae formis</i> ¹⁰³	93	57	61.59	2009	Microscopy

	<i>Gobio macrocephalus</i> ⁷⁴	119	9	7.56	2007	Microscopy
	<i>H. leucisculus</i> ⁷⁴	197	37	18.78	2007	Microscopy
	<i>H. molitrix</i> ¹⁰¹⁻¹⁰⁴	97	4	0-8.57(4.12)	2004-2011	Microscopy
	<i>H. nobilis</i> ¹⁰³	33	7	21.21	2009	Microscopy
	<i>M. anguillicaudatus</i> ^{74,101}	41	0	0.00	2007-2009	Microscopy
	<i>P. asotus</i> ⁷⁴	7	0	0.00	2007	Microscopy
	<i>P. asotus</i> ¹⁰¹⁻¹⁰³	83	7	0-15.38(8.43)	2008-2011	Microscopy
	<i>P. fulvidraco</i> ^{74,101}	83	7	0-13.21(8.43)	2007-2009	Microscopy
	<i>Percottus glehni</i> ¹⁰³	102	76	74.51	2009	Microscopy
	<i>Phoxinus lagowskii</i> ¹⁰³	65	1	1.54	2009	Microscopy
	<i>P. parva</i> ^{73,74,101-104}	1393	1046	42.20-98.41(75.09)	2004-2011	Microscopy
	<i>Rhinogobius giurinus</i> ^{101,102}	115	16	13.30-14.00(13.91)	2004-2009	Microscopy
	<i>S. dabryi</i> ⁷⁴	48	24	50.00	2007	Microscopy
	<i>Shrimps</i> ¹⁰⁴	50	0	0.00	2011	Microscopy
Shanghai	<i>A. rivularis</i> ⁷⁷	155	0	0.00	2005-2010	Microscopy
	<i>C. auratus</i> ⁷⁷	203	0	0.00	2005-2010	Microscopy
	<i>C. argus</i> ⁷⁷	27	0	0.00	2005-2010	Microscopy
	<i>Crucians</i> ⁷⁷	412	0	0.00	2005-2010	Microscopy
	<i>C. carpio</i> ⁷⁷	69	0	0.00	2005-2010	Microscopy
	<i>H. leucisculus</i> ⁷⁷	608	14	2.30	2005-2010	Microscopy
	<i>M. albus</i> ⁷⁷	304	0	0.00	2005-2010	Microscopy
	<i>P. fulvidraco</i> ⁷⁷	65	0	0.00	2005-2010	Microscopy
	<i>P. clarkii</i> ⁷⁷	740	0	0.00	2005-2010	Microscopy
	<i>P. parva</i> ⁷⁷	613	48	7.83	2005-2010	Microscopy
	<i>R. sinensis</i> ⁷⁷	667	9	1.35	2005-2010	Microscopy
	<i>Shrimps</i> ⁷⁷	212	0	0.00	2005-2010	Microscopy
Zhejiang	<i>A. rivularis</i> ⁷⁹	242	86	35.53	2009-2011	Microscopy
	<i>P. parva</i> ⁷⁹	254	49	19.29	2009-2011	Microscopy
Fujian	<i>Dogs</i> ¹⁰⁵	526	11	2.09	2009-2010	Autopsy or Microscopy
Gansu	<i>Cats</i> ¹⁰⁶	57	4	7.02	2008-2009	Autopsy or Microscopy
Definitive host	<i>Dogs</i> ¹⁰⁶	256	4	0.97	2008-2009	Autopsy or Microscopy
Guangdong	<i>Cats</i> ^{6,81,82}	86	44	0-100(51.16)	2002-2012	Autopsy or Microscopy
	<i>Dogs</i> ^{6,81,82}	203	47	17.45-50(23.15)	2002-2012	Autopsy or Microscopy

Hunan	<i>Cats</i> ¹⁰⁷	57	12	21.05	2006-2007	Autopsy or Microscopy
	<i>Dogs</i> ^{83,107,108}	1910	213	8.03-85.70(11.15)	2006-2009	Autopsy or Microscopy
Jiangsu	<i>Cats</i> ⁸⁴	30	22	73	2006	Autopsy or Microscopy
	<i>Dogs</i> ⁸⁴	10	6	60	2006	Autopsy or Microscopy
Jilin	<i>Dogs</i> ⁶⁵	11	3	27.3	2006-2009	Autopsy or Microscopy
Liaoning	<i>Cats</i> ¹⁰¹	6	0	0	2008-2009	Autopsy or Microscopy
	<i>Dogs</i> ^{101,109,110}	1240	49	2.40-17.50(3.95)	2008-2010	Autopsy or Microscopy

^aMicroscopy implies detection of any larva stages in 1st or 2nd intermediate host, or eggs in definitive host; qPCR indicates detection of DNA sample; autopsy implies detection on adult worms in liver of definitive host.

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