Supplemental Table S1. Information on sampling locality and genetic analysis for *Hemigrapsus takanoi*.

Sampling locality Geographical							mt16S sequencing analysis		No. of inds examined	
ange of I. takanoi	Country or region	No. of localities	Prefecture (Japan only)	Locality names	Sample source	Latitude (°N)	longitude (°E)	No. of inds sequenced	mt16S haplotype ID (No. of inds)	in microsatellite analysis
		localities	Hokkaido	Cape Noshappu	Daiki Tazono	45.449	141.645	15	HTJP002 (14), HTJP014 (1)	
Native, Japan	Japan	1				43.449	141.045			15
		2	Hokkaido Hokkaido	Lake Tofutsu	Susumu Chiba, Takeshi Sonoda	43.935	144.394	16 10	HTJP002 (16)	16
		3	Hokkaido	Yoichi Bay Lake Akkeshi	Akiyoshi Shinada Kentaro Watanabe, Kento Matsuo, Massa Nakaoka	43.205	140.775	10	HTJP002 (10)	none
		4							HTJP002 (9), HTJP009 (1)	none
		5	Hokkaido	Cape Kattoshi	the authors	41.742	140.601	10	HTJP001 (1), HTJP002 (7), HTJP005 (2)	10
		6	Iwate	Miyako Bay	the authors	39.588 38.996	141.948	13	HTJP001 (1), HTJP002 (5), HTJP005 (4), HTJP006 (1), HTJP022 (1), HTJP023 (1)	none
		/	Iwate	Hirota Bay	Kyoko Kinoshita, the authors		141.680	0	HTJP001 (6), HTJP002 (1), HTJP007 (1)	none
		8	Miyagi	Shizugawa Bay	Takao Suzuki	38.646	141.459	7	HTJP001 (1), HTJP002 (4), HTJP005 (2)	none
		9	Miyagi	Matsushima Bay (Hitsugaura)	the authors	38.351	141.055	16	HTJP001 (16)	16
			Miyagi	Matsushima Bay (Sokanzan)	the authors	38.355	141.063	16	HTJP001 (9), HTJP002 (6), HTJP031 (1)	16
		10	Miyagi	Mangokuura (Lake Mangoku)	Takao Suzuki	38.434	141.420	24	HTJP001 (20), HTJP002 (2), HTJP003 (2)	24
		11	Miyagi	Torinoumi (Lake Torinoumi)	the authors	38.031	140.915	12	HTJP001 (10), HTJP002 (2)	none
		12	Miyagi	Matsukawaura (Lake Matsukawaura)	the authors	37.781	140.979	13	HTJP001 (9), HTJP002 (2), HTJP005 (1), HTJP008 (1)	none
		13	Ibaraki	Momiya River	Shin'ichiro Tsuchihashi	36.489	140.610	9	HTJP001 (4), HTJP002 (4), HTJP005 (1)	none
		14	Tokyo	Tokyo Bay (Shinhamako)	Takeshi Yuhara	35.413	139.898	16	HTJP001 (10), HTJP002 (6)	14
			Chiba	Tokyo Bay (Yoro River)	Takeshi Yuhara	35.532	140.077	8	HTJP001 (3), HTJP002 (5)	8
			Chiba	Tokyo Bay (Obitsu River)	Takeshi Yuhara	35.672	139.922	11	HTJP001 (4), HTJP002 (5), HTJP003 (1), HTJP004 (1)	8
			Kanagawa	Tokyo Bay (Yokohama)	Takeshi Yuhara	35.467	139.629	8	HTJP001 (3), HTJP002 (4), HTJP003 (1)	8
		15	Kanagawa	Miura Peninsula (Ena Bay)	Takao Suzuki	35.144	139.663	1	HTJP001 (1)	none
			Kanagawa	Miura Peninsula (Koajiro Bay)	Takao Suzuki	35.163	139.628	6	HTJP001 (1), HTJP002 (2), HTJP008 (1), HTJP009 (1), HTJP027 (1)	none
		16	Toyama	Toyama Bay (Miyazaki fishing port)	the authors	36.974	137.590	8	HTJP002 (3), HTJP005 (5)	8
			Toyama	Toyama Bay (Uozu)	the authors	36.835	137.399	3	HTJP005 (2), HTJP032 (1)	3
			Toyama	Toyama Bay (Iwasehama fishing port)	the authors	36.765	137.234	3	HTJP002 (2), HTJP005 (1)	3
		17	Kyoto	Miyazu Bay	Masamu Fujiwara	35.559	135.185	16	HTJP002 (13), HTJP002sup (2), HTJP014 (1)	16
		18	Mie	Kushida River	Taeko Kimura	34.607	136.574	5	HTJP002 (3), HTJP012 (1), HTJP028 (1)	none
		19	Mie	Ago Bay (Kosainiwa)	Taeko Kimura	34.312	136.848	11	HTJP001 (2), HTJP002 (8), HTJP003 (1)	none
		17	Mie	Ago Bay (Tomoyama)	Taeko Kimura	34.290	136.835	6	HTJP001 (3), HTJP002 (3)	none
		20	Osaka	Osaka Bay (Kogi River)	Koji Yamada	34.442	135.338	8	HTJP002 (6), HTJP018 (1), HTJP019 (1)	none
		20	Osaka	Osaka Bay (Rogi River)	Koji Yamada	34.457	135.358	2	HTJP002 (2)	none
					Koji Yamada	34.450	133.336	3	HTJP002 (2) HTJP002 (3)	
		21	Hyogo	Osaka Bay (Awajisano Undokoen) Kii Straits (Wakanoura)	Tomohiro Koizumi	34.185	134.924	14	HTJP002 (3) HTJP002 (12), HTJP014 (1), HTJP016 (1)	none 15
		21	Wakayama Wakayama	Kii Straits (Wakanoura) Kii Straits (Nishihiro)	Tomohiro Koizumi	34.008	135.151	4	HTJP002 (4)	
		22				33.549		7		none
		22	Wakayama	Cape Shionomisaki (Oma River)	Atsushi Hirai		135.494	,	HTJP001 (2), HTJP002 (3), HTJP020 (1), HTJP021 (1)	none
		22	Wakayama	Cape Shionomisaki (Yukashigata)	Atsushi Hirai	33.613 35.547	135.924	5	HTJP001 (1), HTJP002 (4), HTJP024 (1)	none
		23	Shimane	Sakai Straits	Masayuki Osawa		133.215	-	HTJP002 (5)	none
		24	Hiroshima	Hiroshima Bay	the authors	34.393	132.454	8	HTJP002 (8)	none
		25	Yamaguchi	Kanmon Straits (Shimonoseki)	Hiroyuki Doi	34.033	131.019	11	HTJP002 (9), HTJP002sub (1), HTJP011 (1)	11
			Fukuoka	Kanmon Straits (Kitakyushu)	Jiro Kawahara	33.920	130.754	12	HTJP002 (12)	I
		26	Kochi	Tosa Bay (Kodono Rive)	Yoshihiko Machida	33.475	133.511	2	HTJP002 (2)	2
			Kochi	Tosa Bay (Haikata, Uranouchi Inlet)	Yoshihiko Machida	33.450	133.421	4	HTJP002 (4)	2
			Kochi	Tosa Bay (Izumi River, Uranouchi Inlet)	Yoshihiko Machida	33.444	133.396	2	HTJP001 (1), HTJP002 (1)	none
			Kochi	Tosa Bay (Okuura River, Uranouchi Inlet)	Yoshihiko Machida	33.427	133.360	8	HTJP001 (1), HTJP002 (5), HTJP009 (1), HTJP015 (1)	7
		27	Oita	Saiki Bay	Jun'ya Tachikawa, Naotaka Miyajima	32.948	131.909	8	HTJP002 (7), HTJP010 (1)	none
		28	Saga	Ariake Bay	Yoshio Kawamura, Kotaro Kan, Masanori Sato	33.030	130.178	8	HTJP002 (8)	none
		29	Nagasaki	Aiura River	Yosuke Yamaguchi	33.185	129.664	14	HTJP002 (13), HTJP017 (1)	14
		30	Kumamoto	Yatsushiro Bay	Motohiro Shimanaga	32.636	130.640	14	HTJP002 (14)	none
		31	Miyazaki	Nojima River, Uchiumi Bay	Tomoyuki Miura	31.759	131.469	11	HTJP002 (10), HTJP012 (1)	none
		32	Kagoshima	Shigenobu, Kagoshima Bay	the authors	31.707	130.622	16	HTJP002 (14), HTJP025 (1), HTJP026 (1)	16
e, around	Korea	33	-	Incheon (Jumondo)	Shin'ichi Sato	37.635	126.241	7	HTAC002 (6), HTAC012 (1)	7
ellow Sea,				Incheon (Kanghwado)	Shin'ichi Sato	37.622	126.376	7	HTAC002 (6), HTAC002sub (1)	8
Continental Asia		34		Songrim-ri	Shin'ichi Sato	36.041	126.661	13	HTAC001 (1), HTAC002 (9), HTAC003 (1), HTAC004 (1), HTAC008 (1)	13
		35		Yeosu (Myodo)	Shin'ichi Sato	34.893	127.733	19	HTAC002 (15), HTAC002sup (1), HTAC005 (1), HTAC006 (1), HTAC007 (1)	18
	China	36		Shandong Peninsula coastal area*	the authors	-	-	20	HTAC002 (17), HTAC009 (1), HTAC010 (1), HTAC011 (1)	20
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ntroduced	Europe	37		List, Sylt Island, Germany	Jonas Geburzi	55.029	8.434	22	HTJP001 (18), HTJP002 (4)	22
		38		Heligoland Island, Germany	Jan Beermann, Maarten Boersma	54.11	7.88	6	HTJP001 (6)	6
		39		Brunsbuettel, Elbe Estuary, Germany	Karsten Reise	53.889	9.123	22	HTJP001 (0) HTJP001 (20), HTJP002 (2)	22
		40		Yerseke, Eastern Scheldt Estuary, Netherlands	Sander Wijnhoven	51.491	4.055	15	HTJP001 (20), HTJP002 (2)	15
		41		Walsoorden, Western Scheldt Estuary, Netherlands	Sander Wijnhoven	51.382	4.035	15	HTJP001 (12), HTJP002 (3)	15
		41				49.428	0.229	15		15
				Honfleur, Bay of Seine, France	Jean-Philippe Pezy, Jean-Claude Dauvin				HTJP001 (4), HTJP002 (2), HTJP005 (1), HTAC002 (8)	
		43		Ouistreham, Bay of Seine, France	Jean-Philippe Pezy, Jean-Claude Dauvin	49.287	-0.248	15	HTJP001 (5), HTJP005 (1), HTAC002 (9)	15

^{*)} The crabs were exported to Japan as commercial live fishing bait. The exact locality where they were collected is not disclosed.