

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

Sampling locality						mt16S sequencing analysis		No. of inds examined in microsatellite analysis
Geographical range of <i>H. takanoi</i>	Country or region	No. of localities	Prefecture (Japan only)	Locality names	Sample source	Latitude (°N)	longitude (°E)	
Native, Japan	Japan	1	Hokkaido	Cape Noshappu	Daiki Tazono	45.449	141.645	15
		2	Hokkaido	Lake Tofutsu	Susumu Chiba, Takeshi Sonoda	43.935	144.394	16
		3	Hokkaido	Yoichi Bay	Akiyoshi Shinada	43.205	140.775	10
		4	Hokkaido	Lake Akkeshi	Kentaro Watanabe, Kento Matsuo, Massa Nakaoka	43.053	144.896	10
		5	Hokkaido	Cape Kattoshi	the authors	41.742	140.601	10
		6	Iwate	Miyako Bay	the authors	39.588	141.948	13
		7	Iwate	Hirota Bay	Kyoko Kinoshita, the authors	38.996	141.680	8
		8	Miyagi	Shizugawa Bay	Takao Suzuki	38.646	141.459	7
		9	Miyagi	Matsushima Bay (Hitsugaura)	the authors	38.351	141.055	16
			Miyagi	Matsushima Bay (Sokanzan)	the authors	38.355	141.063	16
		10	Miyagi	Mangokuura (Lake Mangoku)	Takao Suzuki	38.434	141.420	24
		11	Miyagi	Torinoumi (Lake Torinoumi)	the authors	38.031	140.915	12
		12	Miyagi	Matsukawaura (Lake Matsukawaura)	the authors	37.781	140.979	13
		13	Ibaraki	Momiya River	Shin'ichiro Tsuchihashi	36.489	140.610	9
		14	Tokyo	Tokyo Bay (Shinhamako)	Takeshi Yuhara	35.413	139.898	16
			Chiba	Tokyo Bay (Yoro River)	Takeshi Yuhara	35.532	140.077	8
			Chiba	Tokyo Bay (Obitsu River)	Takeshi Yuhara	35.672	139.922	11
			Kanagawa	Tokyo Bay (Yokohama)	Takeshi Yuhara	35.467	139.629	8
		15	Kanagawa	Miura Peninsula (Ena Bay)	Takao Suzuki	35.144	139.663	1
			Kanagawa	Miura Peninsula (Koajiro Bay)	Takao Suzuki	35.163	139.628	6
		16	Toyama	Toyama Bay (Miyazaki fishing port)	the authors	36.974	137.590	8
			Toyama	Toyama Bay (Uozu)	the authors	36.835	137.399	3
			Toyama	Toyama Bay (Iwasehama fishing port)	the authors	36.765	137.234	3
		17	Kyoto	Miyazu Bay	Masamu Fujiwara	35.559	135.185	16
		18	Mie	Kushida River	Taeko Kimura	34.607	136.574	5
		19	Mie	Ago Bay (Kosainiwa)	Taeko Kimura	34.312	136.848	11
			Mie	Ago Bay (Tomoyama)	Taeko Kimura	34.290	136.835	6
		20	Osaka	Osaka Bay (Kogi River)	Koji Yamada	34.442	135.338	8
			Osaka	Osaka Bay (Tsuda River)	Koji Yamada	34.457	135.358	2
			Hyogo	Osaka Bay (Awajisano Undoko)	Koji Yamada	34.450	134.924	3
		21	Wakayama	Kii Straits (Wakanoura)	Tomohiro Koizumi	34.185	135.180	14
			Wakayama	Kii Straits (Nishihiro)	Tomohiro Koizumi	34.008	135.151	4
		22	Wakayama	Cape Shionomisaki (Oma River)	Atsushi Hirai	33.549	135.494	7
			Wakayama	Cape Shionomisaki (Yukashigata)	Atsushi Hirai	33.613	135.924	6
		23	Shimane	Sakai Straits	Masayuki Osawa	35.547	133.215	5
		24	Hiroshima	Hiroshima Bay	the authors	34.393	132.454	8
		25	Yamaguchi	Kanmon Straits (Shimonoseki)	Hiroyuki Doi	34.033	131.019	11
			Fukuoka	Kanmon Straits (Kitakyushu)	Jiro Kawahara	33.920	130.754	12
		26	Kochi	Tosa Bay (Kodono Rive)	Yoshihiko Machida	33.475	133.511	2
			Kochi	Tosa Bay (Haikata, Uranouchi Inlet)	Yoshihiko Machida	33.450	133.421	4
			Kochi	Tosa Bay (Izumi River, Uranouchi Inlet)	Yoshihiko Machida	33.444	133.396	2
			Kochi	Tosa Bay (Okuura River, Uranouchi Inlet)	Yoshihiko Machida	33.427	133.360	8
		27	Oita	Saiki Bay	Jun'ya Tachikawa, Naotaka Miyajima	32.948	131.909	8
		28	Saga	Ariake Bay	Yoshio Kawamura, Kotaro Kan, Masanori Sato	33.030	130.178	8
		29	Nagasaki	Aiura River	Yosuke Yamaguchi	33.185	129.664	14
		30	Kumamoto	Yatsushiro Bay	Motohiro Shimanaga	32.636	130.640	14
		31	Miyazaki	Nojima River, Uchiumi Bay	Tomoyuki Miura	31.759	131.469	11
		32	Kagoshima	Shigenobu, Kagoshima Bay	the authors	31.707	130.622	16
Native, around the Yellow Sea, Continental Asia	Korea	33		Incheon (Jumondo)	Shin'ichi Sato	37.635	126.241	7
				Incheon (Kanghwado)	Shin'ichi Sato	37.622	126.376	7
		34		Songrim-ri	Shin'ichi Sato	36.041	126.661	13
		35		Yeosu (Myodo)	Shin'ichi Sato	34.893	127.733	19
	China	36		Shandong Peninsula coastal area*	the authors	-	-	20
Introduced	Europe	37		List, Sylt Island, Germany	Jonas Geburzi	55.029	8.434	22
		38		Heligoland Island, Germany	Jan Beermann, Maarten Boersma	54.11	7.88	6
		39		Brunsbuettel, Elbe Estuary, Germany	Karsten Reise	53.889	9.123	22
		40		Yerseke, Eastern Scheldt Estuary, Netherlands	Sander Wijnhoven	51.491	4.055	15
		41		Walsoorden, Western Scheldt Estuary, Netherlands	Sander Wijnhoven	51.382	4.036	15
		42		Honfleur, Bay of Seine, France	Jean-Philippe Pezy, Jean-Claude Dauvin	49.428	0.229	15
		43		Ouistreham, Bay of Seine, France	Jean-Philippe Pezy, Jean-Claude Dauvin	49.287	-0.248	15
		44		Banc d'Arguin, Bay of Biscay, France	Benoît Gouillieux, Guy Bachelet	44.582	-1.236	23

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