

**Table S2 Microsatellite alleles detected in wild Kiyosu Population.** Microsatellite alleles were tested in 109 fish from the wild Kiyosu Population. PCR amplification failed in 4 fish (samples 1, 5, 6, 7) giving allele results for 105 fish. For each microsatellite assay labeled as described in Supplementary Table 1, the two alleles identified in each assayed Kiyosu individual are listed.

Sample	D-loop		Microsatellite Assays																	
	Sequencing		LG3	LG3	LG6	LG6	LG13	LG13	LG14	LG14	LG16	LG16	LG17	LG17	LG18	LG18	LG22	LG22	LG24	LG24
1	C		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	G		L	M	C	H	A	A	A	A	A	C	C	B	B	K	K	A	B	
3	H		E	E	F	I	D	A	F	K	A	A	C	C	B	B	O	O	A	E
4	H		U	U	-	-	G	A	A	B	A	A	C	F	B	B	A	A	B	D
5	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	H		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	H		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	C		Q	S	A	E	G	G	A	A	A	A	A	A	A	B	E	H	B	C
9	H		N	N	-	-	-	-	-	-	A	A	A	A	-	-	-	-	-	-
10	C		B	O	-	-	-	-	-	-	A	B	F	F	-	-	-	-	-	-
11	H		M	Q	-	-	-	-	-	-	A	A	B	C	-	-	-	-	-	-
12	C		E	L	-	-	-	-	-	-	A	A	C	G	-	-	-	-	-	-
13	H		F	M	A	E	A	F	A	N	A	A	B	D	B	B	F	N	A	C
14	G		B	L	A	G	A	A	A	K	A	A	A	D	B	B	D	H	A	A
15	A		C	J	E	F	D	E	A	G	A	A	C	F	A	B	B	E	A	D
16	H		H	M	A	A	J	K	D	L	A	A	B	C	B	B	E	I	C	K
17	H		M	M	D	E	A	A	B	C	A	A	C	E	B	B	E	E	B	C
18	E		A	L	A	E	A	D	B	B	A	A	B	E	B	B	J	J	A	D
19	D		E	I	F	G	A	D	O	P	A	A	C	D	B	B	B	C	B	D
20	H		F	K	A	E	A	I	A	M	A	A	C	E	B	C	E	E	C	E
21	H		Q	Q	A	A	A	B	G	G	A	A	C	F	A	B	A	J	D	G
22	C		K	S	E	I	D	I	A	J	A	A	D	F	A	B	E	J	D	D
23	C		M	M	A	I	D	H	A	G	A	A	A	A	B	B	G	G	C	E
24	H		K	N	D	I	A	C	C	D	A	A	B	C	B	B	B	C	A	C
25	H		A	J	E	F	A	A	C	H	A	A	D	F	B	B	C	H	A	C
26	C		U	U	D	E	A	E	A	A	A	A	A	D	B	B	C	E	C	E
27	-		G	I	E	G	A	C	B	C	A	A	A	E	B	B	F	M	A	L
28	C		H	O	B	E	D	F	B	B	A	A	C	D	B	B	A	A	A	C

29	C	F	I	D	E	A	A	-	-	A	A	B	E	B	B	E	L	-	-
30	-	A	I	A	E	D	D	A	A	A	A	A	D	B	B	C	C	A	D
31	G	K	R	A	H	-	-	-	-	A	A	B	D	B	B	G	I	-	-
32	C	B	P	E	G	A	A	A	C	A	A	B	C	B	C	A	E	A	B
33	-	I	K	A	H	B	B	D	D	A	A	C	E	A	B	C	J	F	F
34	G	E	E	A	G	A	E	I	O	A	A	B	C	A	B	I	I	B	B
35	B	D	L	A	G	D	D	B	I	A	A	A	D	B	B	A	E	B	C
36	G	P	P	B	F	A	B	B	C	A	A	C	D	B	B	C	G	A	D
37	C	K	Q	E	G	B	D	A	M	A	A	B	D	A	B	C	N	A	E
38	C	D	G	A	G	A	C	B	G	A	A	C	D	B	B	E	E	A	A
39	C	E	J	A	C	D	F	C	J	A	A	A	F	A	B	C	H	C	E
40	H	L	O	A	F	C	D	D	F	A	A	B	D	A	B	C	E	A	C
41	G	E	O	A	A	E	H	A	B	A	A	B	D	B	B	K	K	A	E
42	C	D	J	E	G	A	C	B	M	A	B	C	H	A	B	E	M	B	C
43	H	R	R	C	G	B	B	I	O	C	D	C	C	A	B	E	E	F	J
44	H	C	P	F	I	A	H	D	K	A	A	D	D	A	B	E	P	E	E
45	H	-	-	F	G	B	B	B	B	A	B	A	G	A	B	C	E	F	F
46	C	A	S	A	I	A	C	A	A	A	A	A	G	B	B	N	N	C	C
47	C	L	M	E	G	C	G	C	H	A	A	A	E	B	B	A	E	C	C
48	H	E	R	A	E	A	D	B	F	A	A	C	D	B	B	C	G	A	D
49	H	I	L	-	-	-	-	-	-	A	A	B	C	-	-	-	-	-	-
50	C	-	-	-	-	-	-	-	-	A	A	B	B	-	-	-	-	-	-
51	E	F	G	B	E	A	D	A	M	A	A	A	A	A	B	A	H	A	D
52	H	G	L	E	E	A	C	F	F	A	A	A	J	B	B	C	C	A	A
53	H	A	G	A	D	F	I	B	I	A	A	C	E	B	B	H	I	A	D
54	C	B	K	F	F	E	F	A	A	A	A	C	C	B	B	E	O	A	E
55	H	O	Q	A	E	A	D	F	I	A	A	C	D	B	B	E	O	A	C
56	H	E	Q	F	J	A	A	G	I	A	A	B	B	B	B	F	L	B	C
57	H	M	P	A	E	E	G	E	J	A	A	B	C	B	B	C	G	A	C
58	C	A	L	A	A	C	H	A	B	A	A	A	A	B	B	B	E	C	E
59	H	L	O	D	G	D	E	N	N	A	A	A	A	B	B	C	O	A	C
60	B	H	O	A	A	A	C	H	N	A	A	A	F	B	B	D	L	A	B

61	H	M	S	A	H	D	D	C	J	A	A	C	F	B	B	B	O	B	D
62	C	H	Q	G	I	B	B	M	M	A	A	A	A	B	B	B	J	F	I
63	D	K	S	A	F	A	D	K	M	A	A	B	B	B	B	E	E	A	G
64	H	C	D	A	D	B	F	D	N	A	A	B	C	B	B	B	N	B	C
65	H	F	K	A	A	B	C	A	C	A	A	A	A	B	B	A	A	C	D
66	H	E	H	A	E	A	A	M	N	A	A	A	D	B	B	C	L	A	C
67	H	E	Q	A	E	A	D	A	L	A	A	B	B	A	B	B	B	A	C
68	H	K	O	D	E	A	A	A	I	A	A	E	E	B	B	E	I	E	E
69	H	E	F	E	G	A	C	A	B	A	A	B	B	B	B	N	P	B	F
70	C	P	S	A	G	C	D	B	K	A	A	B	B	B	B	D	J	B	C
71	H	K	N	E	G	C	D	A	B	A	A	A	J	B	B	G	L	C	D
72	C	E	M	C	G	C	D	G	N	A	A	A	F	B	B	-	-	A	C
73	G	K	P	G	G	D	H	C	O	A	A	A	A	B	B	B	E	A	B
74	H	D	K	A	A	A	D	B	B	A	A	C	F	B	B	C	M	A	B
75	D	E	H	E	G	A	C	A	C	A	A	B	B	B	B	C	K	C	C
76	C	A	L	A	F	A	C	A	C	A	A	C	E	B	B	B	C	B	D
77	C	N	Q	A	A	A	F	A	A	A	A	A	D	B	B	A	A	A	C
78	H	E	M	A	I	A	C	A	A	A	A	A	D	A	B	F	I	A	D
79	H	B	T	-	-	D	H	I	J	A	A	C	C	-	-	-	-	B	C
80	H	A	E	G	H	A	C	F	J	A	A	C	D	B	B	C	N	B	B
81	D	F	L	A	J	C	C	E	H	A	A	B	C	B	B	B	E	A	C
82	H	M	M	A	I	A	C	B	P	A	A	B	D	B	B	E	E	B	C
83	H	E	K	A	F	A	H	A	O	A	A	A	D	A	B	B	L	B	B
84	D	E	M	A	E	A	A	A	A	A	A	A	D	B	B	B	E	C	C
85	C	A	G	E	E	A	A	H	I	A	A	B	C	A	B	J	O	A	D
86	G	E	M	A	E	D	D	B	I	A	A	A	A	B	B	C	C	B	D
87	H	M	P	D	E	C	D	A	A	A	A	B	C	A	B	L	L	A	D
88	H	E	L	A	G	A	E	A	B	A	A	C	F	B	B	B	M	A	C
89	C	E	E	B	E	A	G	D	G	A	A	C	D	B	B	E	G	A	C
90	H	B	K	A	A	D	F	G	I	A	A	F	F	A	B	J	L	A	C
91	H	A	I	A	A	A	C	A	N	A	A	B	B	A	B	C	C	C	D
92	C	F	P	A	G	F	I	A	D	A	A	B	G	A	B	G	I	A	C

93	H	I	N	F	J	A	H	A	G	A	A	C	I	A	B	C	C	A	A
94	G	E	K	E	H	-	-	-	-	A	A	B	I	A	B	-	-	-	-
95	H	G	O	E	E	A	B	A	A	A	A	A	A	B	B	C	C	D	D
96	H	F	P	A	C	A	E	I	G	A	A	A	A	A	B	K	L	B	D
97	H	A	M	C	F	B	D	A	C	A	A	A	I	B	B	G	H	C	D
98	D	F	L	E	E	D	D	A	M	A	A	A	A	B	B	B	C	A	C
99	H	G	I	E	I	A	A	G	H	A	A	A	F	B	D	K	K	A	B
100	H	B	P	A	G	A	C	A	I	A	A	B	C	B	B	B	E	A	D
101	H	E	E	A	C	D	D	A	I	A	A	A	A	A	B	C	D	A	D
102	F	E	G	E	H	A	D	B	F	A	A	A	F	A	B	E	G	D	E
103	C	I	T	A	E	C	E	D	J	A	A	B	E	B	C	C	K	A	C
104	H	D	S	A	F	F	H	A	A	A	A	B	B	A	B	E	K	C	D
105	H	L	M	C	E	C	D	D	F	A	A	C	D	B	B	C	C	D	E
106	C	F	O	A	G	A	D	I	O	A	A	C	D	B	B	G	G	B	C
107	H	N	O	G	G	A	I	B	C	A	A	B	C	A	B	J	L	A	C
108	H	E	K	A	E	A	C	H	L	A	A	A	A	A	B	C	E	A	E
109	H	E	I	A	I	A	C	D	D	A	A	B	C	A	B	E	N	A	A