

**Supplementary Table 2**

Results of tests for assignment of individual fish to 1 of 7 species groups analyzed in this study. **(A)** All specimens were tested with loci Elgr14, Elgr23, and Elgr31; **(B)** individuals scored as saffron cod (*Eleginus gracilis*) of the Chukchi Sea (CSC), saffron cod of the Gulf of Alaska (GSC), navaga (*E. nawaga*) (NAW), Pacific tomcod (*Microgadus proximus*) (PTC), or Pacific cod (*Gadus macrocephalus*) (PCO) in A were tested at loci Elgr7, Elgr11, Elgr13, Elgr14, Elgr23, and Elgr31; **(C)** individuals scored as CSC, GSC, or NAW in B were tested at loci Elgr7, Elgr11, Elgr13, Elgr14, Elgr23, Elgr31, Elgr44, and Elgr45; and **(D)** individuals scored as PTC, PCO, walleye pollock (*G. chalcogrammus*) (WPO), or Arctic cod (*Boreogadus saida*) (ACO) in A were tested at loci Elgr14, Elgr23, Elgr31, and Elgr38. *n*=number of samples.

**A**

<i>n</i>	Species group	Assigned to						
		CSC	GSC	NAW	PTC	PCO	WPO	ACO
30	CSC	19	5	6	0	0	0	0
41	GSC	5	36	0	0	0	0	0
81	NAW	9	1	70	1	0	0	0
23	PTC	0	0	0	23	0	0	0
14	PCO	0	0	0	1	11	0	2
6	WPO	0	0	0	3	1	2	0
53	ACO	0	0	0	0	2	1	50

**B**

<i>n</i>	Species group	CSC	GSC	NAW	PTC	PCO
30	CSC	28	2	0	0	0
41	GSC	1	40	0	0	0
81	NAW	0	0	81	0	0
23	PTC	0	0	0	23	0
12	PCO	0	0	0	0	12

**C**

<i>n</i>	Species group	CSC	GSC	NAW
30	CSC	29	1	0
41	GSC	0	41	0
81	NAW	0	0	81

**D**

<i>n</i>	Species group	PTC	PCO	WPO	ACO
23	PTC	23	0	0	0
14	PCO	0	14	0	0
6	WPO	0	0	6	0
53	ACO	0	0	1	52