

Table S3 - Haplotype frequencies for partial cytochrome-c-oxidase I sequences for *Saccharina* spp. at various sampling locations. For abbreviations of sampling locations see Fig. 2 and Table 1.

	SL	SN	SF	SS	SD	SW	SI	SB	ARC*	NEP*	NWA*	FA*	IR*	S. c.**	S. j.**	total
a					3											3
b					1											1
c						25										25
d							1									1
e	19	29	1	2	18		29	1				1	1			101
f								32								32
g			29	1												30
h								7			42					49
i											1					1
j											1					1
k								16	5							21
l											1					1
m								1								1
n								4								4
o									1							1
p											1					1
q											1					1
r												3				3
s														8		8
t															1	1
u															2	2
v															14	14
total	19	29	30	3	22	25	30	33	28	6	47	4	1	8	17	302

*) re-analyzed from McDevit & Saunders (2010); **) re-analyzed from Balakirev *et al.* (2012); S. c. = *Saccharina cichoriodes*; S. j. = *Saccharina japonica*.