	Surface						Midwater			Deepwater			
	Scomber japonicus	Sardinops sagax	Engraulis mordax	Thaleichthys pacificus	Trachurus symmetricus	Clupea pallasii	Sebastes entomelas	Tarletonbeania crenularis	Stenobrachius leucopsarus	Tactostoma macropus	Leuroglossus stilbius	Microstomus pacificus	1
Scomber japonicus													
Sardinops sagax	0.76												- 0.8
Engraulis mordax	0.38	0.28	       										- 0.6
Thaleichthys pacificus	0.25	0.12	0.62										- 0.4
Trachurus symmetricus	0.60	0.56	0.54	0.36									- 0.2
Clupea pallasii	-0.07	-0.10	0.26	0.23	0.11	ا <u>ا</u> ا							
Sebastes entomelas	-0.23	-0.22	0.22	0.24		0.36							
Tarletonbeania crenularis		-0.14	0.25	0.42	0.19	0.00	0.05						0.2
Stenobrachius leucopsarus	-0.06	-0.02	-0.24	-0.43	-0.05	-0.12	-0.13	-0.17					0.4
Tactostoma macropus	0.07	-0.18	0.29	0.41	0.09	0.10	0.08	0.33	-0.12	   			0.6
Leuroglossus stilbius			-0.28	-0.17	-0.22	-0.23	-0.25		-0.04	-0.15			0.8
Microstomus pacificus	-0.40	-0.27	-0.16	-0.15	-0.49	-0.01	0.08	-0.20	0.09	0.00			-1