



MARINE BIODIVERSITY IN KOREA: A REVIEW OF MACROZOOBENTHIC ASSEMBLAGES, THEIR DISTRIBUTIONS, AND LONG-TERM COMMUNITY CHANGES FROM HUMAN IMPACTS

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Supplementary tables

Table S1. Data summary for the regional occurrences of macrozoobenthos along the Korean coastal waters; number of taxa in each subregion was provided. Information of subregions refers to Figure 6.S2

Table S2. List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.S3

Table S3. List of reviewed articles ($n = 128$) constructing the meta-data of Korean macrozoobenthos; information of study region in each sea (the West Sea, South Sea, and East Sea) and associated habitats including intertidal, subtidal, estuary) is given with article title.S90

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Table S1. Data summary for the regional occurrences of macrozoobenthos along the Korean coastal waters; number of taxa in each subregion was provided. Information of subregions refers to Figure 6.

Phylum	West Sea										South Sea										East Sea										Total																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ΣW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ΣS	1	2	3	4	5	6	7	8	9	10	11	12	ΣE	Σ
	ΣW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ΣW	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ΣS	1	2	3	4	5	6	7	8	9	10	11	12	ΣE
Annelida	37	133	39	27	29	192	31	0	44	89	12	10	7	26	7	10	287	16	193	98	11	128	22	26	21	0	31	274	0	0	0	17	35	10	0	5	0	0	0	112	149	469						
Mollusca	11	71	9	54	19	124	10	0	27	46	1	8	3	23	0	3	249	57	95	45	2	32	18	5	2	0	254	416	0	0	0	1	5	1	0	2	0	0	0	183	190	670						
Arthropoda	17	86	7	0	16	154	8	0	13	47	4	5	2	12	3	4	219	30	101	36	1	43	19	1	2	0	70	210	0	0	0	1	8	1	0	3	0	0	0	132	142	434						
Echinodermata	3	9	2	1	1	8	2	0	2	7	0	0	0	1	0	2	21	5	21	14	4	10	0	0	0	0	25	51	0	0	0	2	1	0	0	0	0	0	0	28	31	79						
Cnidaria	1	5	0	8	0	14	0	0	0	1	0	0	0	1	0	0	25	3	0	1	0	3	0	0	0	0	45	51	0	0	0	0	0	0	0	0	0	0	0	0	55	55	103					
Chordata	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	0	0	3	0	0	0	0	9	12	0	0	0	0	0	0	0	0	0	0	0	0	14	14	25					
Bryozoa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	30	32	0	0	0	0	0	0	0	0	0	0	0	0	7	7	37					
Brachiopoda	0	1	0	1	1	1	1	0	1	1	1	0	0	0	0	0	3	2	1	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5			
Nemertea	0	2	0	0	0	3	1	0	0	1	0	0	0	0	1	0	4	0	0	0	0	0	0	0	1	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	3	3	8				
Porifera	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	42	43	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	55				
Phoronida	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
Chaetognatha	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
Ctenophora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3				
Sipuncula	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	1	0	0	0	0	1	4	0	0	0	1	0	0	0	0	0	0	0	0	0	2	3	7				
Platyhelminthes	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10	1	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	15				
Priapulida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
Hemichordata	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
Total	70	308	57	95	66	510	53	0	87	193	18	23	12	63	11	19	829	120	417	195	18	220	59	33	25	0	511	1103	0	0	0	20	50	13	0	10	0	0	1	562	621	1915						

Table S2. List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat		
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary Total
1	Porifera	<i>Asteropus simplex</i>			1	1	v		1
2	Porifera	<i>Callyspongia (Callyspongia) serpentina</i>			1	1	v		1
3	Porifera	<i>Callyspongia (Cladochalina) johannesthielei</i>			1	1	v		1
4	Porifera	<i>Callyspongia confoederata</i>		1	1	2	v		1
5	Porifera	<i>Callyspongia differentiata</i>			1	1	v		1
6	Porifera	<i>Callyspongia patula</i>			1	1	v		1
7	Porifera	<i>Callyspongia variabilis</i>			1	1	v		1
8	Porifera	<i>Caminus awashimensis</i>			1	1	v		1
9	Porifera	<i>Chondrilla australiensis</i>			1	1	v		1
10	Porifera	<i>Chondrilla</i> sp.		1	1	1	v		1
11	Porifera	<i>Clathria gombawuiensis</i>			1	1	v		1
12	Porifera	<i>Cliona celata</i>		1	1	2	v		1
13	Porifera	<i>Cliona lobata</i>			1	1	v		1
14	Porifera	<i>Demospongiae</i> sp.	1			1	v		1
15	Porifera	<i>Dictyonella hirta</i>			1	1	v		1
16	Porifera	<i>Erylus bahamensis</i>			1	1	v		1
17	Porifera	<i>Esperiopsis plumosa</i>			1	1	v		1
18	Porifera	<i>Forcepia (Forcepia) japonica</i>			1	1	v		1
19	Porifera	<i>Geodia</i> sp.			1	1	v		1
20	Porifera	<i>Halichondria japonica</i>			1	1	v		1
21	Porifera	<i>Halichondria okadai</i>		1	1	2	v	v	2
22	Porifera	<i>Halichondria oshoro</i>		1	1	2	v		1
23	Porifera	<i>Halichondria panicea</i>		2	1	3	v	v	2
24	Porifera	<i>Halichondria</i> sp.			1	1	v		1
25	Porifera	<i>Haliclona cinerea</i>			1	1	v	v	2
26	Porifera	<i>Haliclona densaspicula</i>			1	1	v		1
27	Porifera	<i>Haliclona</i> sp.			1	1			0
28	Porifera	<i>Hymeniacion sinapium</i>		1	1	2	v	v	2
29	Porifera	<i>Ircinia</i> sp.			1	1	v		1
30	Porifera	<i>Jaspis coreana</i>			1	1	v		1
31	Porifera	<i>Lissodendoryx (Lissodendoryx) firma</i>			1	1	v		1
32	Porifera	<i>Myxilla (Burtonanchora) sigmatifera</i>			1	1	v		1
33	Porifera	<i>Myxilla (Myxilla) producta</i>			1	1	v		1
34	Porifera	<i>Myxilla calepumosa</i>			1	1	v		1
35	Porifera	<i>Myxilla incrustans</i>		1	1	2	v		1
36	Porifera	<i>Myxilla setoensis</i>		1	1	2	v		1
37	Porifera	<i>Myxilla</i> sp.			1	1	v		1
38	Porifera	<i>Oscarella lobularis</i>			1	1	v		1
39	Porifera	<i>Penares incrustans</i>			1	1	v		1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
40	Porifera	<i>Petrosia corticata</i>		1	1	2		v		1
41	Porifera	<i>Petrosia</i> sp.			1	1		v		1
42	Porifera	<i>Petrosia ushitsuensis</i>		1		1		v		1
43	Porifera	<i>Plakortis simplex</i>		1		1		v		1
44	Porifera	<i>Poecillastra doederleini</i>		1		1		v		1
45	Porifera	<i>Raspailia hirsuta</i>		1		1		v		1
46	Porifera	<i>Rhabdastrella wondoensis</i>		1		1		v		1
47	Porifera	<i>Sphaciospongia panis</i>		1		1		v		1
48	Porifera	<i>Spirastrella abata</i>		1		1		v		1
49	Porifera	<i>Spirastrella insignis</i>		1		1		v		1
50	Porifera	<i>Stelletta crassispicula</i>		1		1		v		1
51	Porifera	<i>Stelletta</i> sp.			1	1	v			1
52	Porifera	<i>Suberites excellens</i>		1		1		v		1
53	Porifera	<i>Tedania brevispiculata</i>		1		1		v		1
54	Porifera	<i>Tethya aurantium</i>		1		1		v		1
55	Porifera	<i>Topsentia salomonensis</i>		1		1		v		1
56	Cnidaria	<i>Abietinaria abietina</i>		1		1		v		1
57	Cnidaria	<i>Acanthogorgia inermis</i>		1		1		v		1
58	Cnidaria	<i>Acanthogorgia radians</i>		1		1		v		1
59	Cnidaria	<i>Actinia equina</i>		1	1	2		v		1
60	Cnidaria	<i>Actinia</i> sp.		1		1	v			1
61	Cnidaria	<i>Actiniaria</i> sp.		2		2		v		1
62	Cnidaria	<i>Aequorea coeruleascens</i>			1	1		v		1
63	Cnidaria	<i>Aglaophenia suensonii</i>		1		1		v		1
64	Cnidaria	<i>Aglaophenia whiteleggei</i>	1	1	1	3	v	v		2
65	Cnidaria	<i>Alveopora japonica</i>		1		1		v		1
66	Cnidaria	<i>Anemonactis mazeli</i>	1			1	v			1
67	Cnidaria	<i>Antennella secundaria</i>		1		1		v		1
68	Cnidaria	<i>Anthopleura japonica</i>	1	1	1	3	v	v		2
69	Cnidaria	<i>Anthopleura kurogane</i>		1	1	2		v		1
70	Cnidaria	<i>Anthopleura midori</i>	1		1	2	v	v		2
71	Cnidaria	<i>Anthopleura</i> sp.	2	1		3	v	v		2
72	Cnidaria	<i>Anthoplexaura dimorpha</i>		1		1		v		1
73	Cnidaria	<i>Anthozoa</i> sp.	4	1		5	v	v		2
74	Cnidaria	<i>Antipathes</i> sp.			1	1				0
75	Cnidaria	<i>Aurelia aurita</i>			1	1		v		1
76	Cnidaria	<i>Bebryce bocki</i>		1		1		v		1
77	Cnidaria	<i>Bebryce thomsoni</i>		1		1		v		1
78	Cnidaria	<i>Bellonella</i> sp.			1	1		v		1
79	Cnidaria	<i>Calibelemonn indicum</i>	1			1	v			1
80	Cnidaria	<i>Caryophyllia japonica</i>			1	1	v			1
81	Cnidaria	<i>Cavernularia obesa</i>	1			1	v			1
82	Cnidaria	<i>Cerianthus filiformis</i>		1	1	2	v	v	v	3

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
83	Cnidaria	<i>Cervera komaii</i>			1	1		v		1
84	Cnidaria	<i>Charisea saxicola</i>	1			1	v			1
85	Cnidaria	<i>Clavularia mikado</i>			1	1	v	v		2
86	Cnidaria	<i>Clavularia racemosa</i>			1	1		v		1
87	Cnidaria	<i>Clytia paradoxa</i>			1	1	v			1
88	Cnidaria	<i>Corymorpha anthoformis</i>			1	1		v		1
89	Cnidaria	<i>Corynactis</i> sp.		1	1	2	v	v		2
90	Cnidaria	<i>Corynactis viridis</i>			1	1		v		1
91	Cnidaria	<i>Coryne pusilla</i>		1	1	2	v	v		2
92	Cnidaria	<i>Dendronephthya castanea</i>		1		1		v		1
93	Cnidaria	<i>Dendronephthya gigantea</i>		1		1		v		1
94	Cnidaria	<i>Dendronephthya putteri</i>		1		1		v		1
95	Cnidaria	<i>Dendronephthya spinulosa</i>		1		1		v		1
96	Cnidaria	<i>Dendrophyllia arbuscula</i>			1	1		v		1
97	Cnidaria	<i>Diadumene lineata</i>	1		1	2	v	v		2
98	Cnidaria	<i>Ectopleura crocea</i>	1		1	2	v	v		2
99	Cnidaria	<i>Edwardsia japonica</i>	1			1	v			1
100	Cnidaria	<i>Edwardsia sipunculoides</i>	1			1	v			1
101	Cnidaria	<i>Eleutherobia rigida</i>		1	1	2	v			1
102	Cnidaria	<i>Eleutherobia rubra</i>		1	1	2	v	v		2
103	Cnidaria	<i>Epiactis japonica</i>			1	1		v		1
104	Cnidaria	<i>Eudendrium capillare</i>			1	1		v		1
105	Cnidaria	<i>Eudendrium Eudendrium</i> sp.			1	1	v			1
106	Cnidaria	<i>Eudendrium tenellum</i>			1	1	v			1
107	Cnidaria	<i>Euplexaura abietina</i>		1	1	2	v			1
108	Cnidaria	<i>Euplexaura crassa</i>		1		1		v		1
109	Cnidaria	<i>Euplexaura</i> sp.		1	1	2	v			1
110	Cnidaria	<i>Filellum serratum</i>			1	1	v			1
111	Cnidaria	<i>Flosmaris mutsuensis</i>	1			1	v			1
112	Cnidaria	<i>Halcampella maxima</i>	1			1	v			1
113	Cnidaria	<i>Halcurias carlgreni</i>			1	1		v		1
114	Cnidaria	<i>Halecium delicatulum</i>			1	1	v			1
115	Cnidaria	<i>Hormathia andersoni</i>		1		1		v		1
116	Cnidaria	<i>Hydrocoryne miurensis</i>	1		1	2	v	v		2
117	Cnidaria	Hydrozoa sp.	1	1		2	v			1
118	Cnidaria	<i>Javana insignis</i>		1		1		v		1
119	Cnidaria	<i>Lafoea dumosa</i>			1	1	v			1
120	Cnidaria	<i>Macrorhynchia phoenicea</i>		1		1		v		1
121	Cnidaria	<i>Melithaea bicolor</i>			1	1		v		1
122	Cnidaria	<i>Melithaea japonica</i>	1	1	1	3	v	v		2
123	Cnidaria	<i>Melithaea</i> sp.			1	1	v	v		2
124	Cnidaria	<i>Melithaea tenuis</i>		1		1		v		1
125	Cnidaria	<i>Melithaea undulata</i>			1	1		v		1
126	Cnidaria	<i>Metedwardsia akkeshi</i>	1			1	v			1

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
127	Cnidaria	<i>Metridium senile</i>			1	1		v		1
128	Cnidaria	<i>Montipora efflorescens</i>		1	1	2	v	v		2
129	Cnidaria	<i>Myriopathes japonica</i>		1	1	2	v			1
130	Cnidaria	<i>Myriopathes lata</i>			1	1		v		1
131	Cnidaria	<i>Obelia geniculata</i>			1	1		v		1
132	Cnidaria	<i>Orthopyxis integra</i>			1	1	v			1
133	Cnidaria	<i>Paracondylactis hertwigi</i>	2			2	v			1
134	Cnidaria	<i>Paraspongodes spiculosa</i>		1		1		v		1
135	Cnidaria	<i>Pennaria disticha</i>			1	1		v		1
136	Cnidaria	<i>Plexauroides</i> sp.		1		1		v		1
137	Cnidaria	<i>Plumularia filicaulis</i>			1	1	v			1
138	Cnidaria	<i>Plumularia setacea</i>		1		1		v		1
139	Cnidaria	<i>Plumularia spiralis</i>		1		1	v			1
140	Cnidaria	<i>Porpita porpita</i>			1	1				0
141	Cnidaria	<i>Psammocora profundacella</i>		1		1		v		1
142	Cnidaria	<i>Rhizopsammia minuta</i>	1			1	v			1
143	Cnidaria	<i>Rhizopsammia minuta</i> var. <i>mutsuensis</i>			1	1		v		1
144	Cnidaria	<i>Rhizorhagium sagamiense</i>			1	1		v		1
145	Cnidaria	<i>Scleronephthya gracillimum</i>		1		1		v		1
146	Cnidaria	<i>Sertularella levigata</i>	1	1	1	3	v	v		2
147	Cnidaria	<i>Sertularella miurensis</i>		1	1	2		v		1
148	Cnidaria	<i>Sertularella sagamina</i>			1	1	v			1
149	Cnidaria	<i>Solanderia misakinensis</i>			1	1	v			1
150	Cnidaria	<i>Solanderia secunda</i>		1		1		v		1
151	Cnidaria	<i>spirocodon saltatrix</i>			1	1				0
152	Cnidaria	<i>Synandwakia hozawai</i>	1			1	v			1
153	Cnidaria	<i>Thecocarpus niger</i>		1		1		v		1
154	Cnidaria	<i>Urticina coriacea</i>			1	1	v			1
155	Cnidaria	<i>Verrillactis paguri</i>	1	1		2		v		1
156	Cnidaria	<i>Verrucella umbraculum</i>		1		1		v		1
157	Cnidaria	<i>Virgularia gustaviana</i>	1			1	v			1
158	Cnidaria	<i>Xingyurella gotoi</i>		1		1		v		1
159	Ctenophora	<i>Beroe cucumis</i>			1	1		v		1
160	Ctenophora	<i>Beroe</i> sp.			1	1	v			1
161	Ctenophora	<i>Lampea pancerina</i>			1	1				0
162	Nemertea	<i>Baseodiscus hemprichii</i>	1			1	v			1
163	Nemertea	<i>Baseodiscus</i> sp.		1		1		v		1
164	Nemertea	<i>Emplectonema mitsuui</i>	1			1	v			1
165	Nemertea	<i>Emplectonema</i> sp.			1	1		v		1
166	Nemertea	<i>Lineus fuscoviridis</i>			1	1	v	v		2
167	Nemertea	<i>Lineus</i> sp.	3			3		v		1
168	Nemertea	<i>Micrura</i> sp.	3			3	v			1
169	Nemertea	<i>Notospermus geniculatus</i>			1	1		v		1
170	Sipuncula	<i>Apionsoma misakianum</i>	1			1	v	v		2

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat		
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary Total
171	Sipuncula	<i>Golfingia</i> sp.	1			1	v		1
172	Sipuncula	<i>Nephasoma</i> sp.		1		1		v	1
173	Sipuncula	<i>Phascolion</i> sp.		1	1	2		v	1
174	Sipuncula	<i>Phascolosoma scolops</i>		1	1	2		v	1
175	Sipuncula	<i>Siphonosoma cumanense</i>	1			1	v		1
176	Sipuncula	<i>Sipuncula</i> sp.		1	1	2		v	1
177	Platyhelminthes	<i>Bdellocephala brunnea</i>	1			1	v		1
178	Platyhelminthes	<i>Discocelis japonica</i>	1			1	v		1
179	Platyhelminthes	<i>Imogine ijimai</i>	1			1	v		1
180	Platyhelminthes	<i>Kaburakia oceanica</i>	1			1	v		1
181	Platyhelminthes	<i>Noptoplana parasitica</i>	1			1	v		1
182	Platyhelminthes	<i>Notocomplana humilis</i>		1	1	2	v	v	2
183	Platyhelminthes	<i>Notoplana delicata</i>	1			1	v		1
184	Platyhelminthes	<i>Notoplana</i> sp.	1	2		3	v		1
185	Platyhelminthes	<i>Paraplanocera oligoglena</i>	1			1	v		1
186	Platyhelminthes	<i>Planocera reticulata</i>	1			1	v		1
187	Platyhelminthes	<i>Planocera</i> sp.			1	1		v	1
188	Platyhelminthes	<i>Plaocera multitentaculata</i>		1		1	v		1
189	Platyhelminthes	<i>Pseudobiceros gratus</i>			1	1	v		1
190	Platyhelminthes	<i>Pseudostylochus obscurus</i>	1			1	v		1
191	Platyhelminthes	<i>Thysanozoon brocchii</i>			1	1	v		1
192	Bryozoa	<i>Adeonella lichenoides</i>		1		1		v	1
193	Bryozoa	<i>Adeonella</i> sp.		1		1		v	1
194	Bryozoa	<i>Alcyonidium hirsutum</i>		1		1		v	1
195	Bryozoa	<i>Amastigia rudis</i>		1		1		v	1
196	Bryozoa	<i>Amastigia xishaensis</i>		1		1		v	1
197	Bryozoa	<i>Amathia distans</i>		1		1	v		1
198	Bryozoa	<i>Bugula californica</i>		1		1	v		1
199	Bryozoa	<i>Bugula neritina</i>		1		1		v	1
200	Bryozoa	<i>Bugula subglobosa</i>		1		1		v	1
201	Bryozoa	<i>Caberea boryi</i>		1		1		v	1
202	Bryozoa	<i>Caberea lata</i>		1		1		v	1
203	Bryozoa	<i>Canda retiformis</i>		1		1		v	1
204	Bryozoa	<i>Catenicella</i> sp.			1	1	v	v	2
205	Bryozoa	<i>Catenicella triangulifera</i>		1		1		v	1
206	Bryozoa	<i>Celleporaria brunnea</i>		1		1		v	1
207	Bryozoa	<i>Crisia eburneodenticulata</i>			1	1	v	v	2
208	Bryozoa	<i>Disporella novaehollandiae</i>		1		1		v	1
209	Bryozoa	<i>Flustra</i> sp.			1	1			0
210	Bryozoa	<i>Flustrellidra akkeshiensis</i>		1		1		v	1
211	Bryozoa	<i>Hippomenella avicularis</i>		1		1		v	1
212	Bryozoa	<i>Hippopodina feegeensis</i>		1		1		v	1
213	Bryozoa	<i>Iodictyum axillare</i>		1		1		v	1

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
214	Bryozoa	<i>Iodictyum deliciosum</i>			1	1		v		1
215	Bryozoa	<i>Iodictyum</i> sp.			1	1		v		1
216	Bryozoa	<i>Jellyella tuberculata</i>		1		1		v		1
217	Bryozoa	<i>Lichenopora</i> sp.		1		1		v		1
218	Bryozoa	<i>Membranipora villosa</i>		1		1		v		1
219	Bryozoa	<i>Onchoporella selenoides</i>		1		1		v		1
220	Bryozoa	<i>Parasmittina pyriformis</i>		1		1		v		1
221	Bryozoa	<i>Petraliella magna</i>		1		1		v		1
222	Bryozoa	<i>Reteporellina denticulata</i>		1		1		v		1
223	Bryozoa	<i>Schizoporella unicornis</i>		1		1		v		1
224	Bryozoa	<i>Scrupocellaria diadema</i>		1		1		v		1
225	Bryozoa	<i>Tricellaria occidentalis</i>		1	1	2		v		1
226	Bryozoa	<i>Tubulipora pulchra</i>		1		1		v		1
227	Bryozoa	<i>Virididentula dentata</i>		1		1		v		1
228	Bryozoa	<i>Watersipora cucullata</i>		1	1	2		v		1
229	Mollusca	<i>Abra</i> sp.	1			1		v		1
230	Mollusca	<i>Acanthochitona achates</i>	1	1	1	3	v	v		2
231	Mollusca	<i>Acanthochitona circellata</i>			1	1		v		1
232	Mollusca	<i>Acanthochitona defilippii</i>	1	3	1	5	v	v		2
233	Mollusca	<i>Acanthochitona rubrolineata</i>	1	1		2	v			1
234	Mollusca	<i>Acanthochitona</i> sp.			1	1		v		1
235	Mollusca	<i>Acar plicatum</i>		1		1		v		1
236	Mollusca	<i>Acila divaricata</i>		2		2		v		1
237	Mollusca	<i>Aclophoropsis mcMichaeli</i>		1		1		v		1
238	Mollusca	<i>Acrosterigma maculosum</i>		1		1		v		1
239	Mollusca	<i>Acteocina exilis</i>	1			1	v			1
240	Mollusca	<i>Acteon</i> sp.	1			1	v			1
241	Mollusca	<i>Agatha virgo</i>	2			2	v			1
242	Mollusca	<i>Agriodesma navicula</i>		1		1		v		1
243	Mollusca	<i>Alaba picta</i>	2			2	v			1
244	Mollusca	<i>Alcyna ocellata</i>		1		1		v		1
245	Mollusca	<i>Aldisa cooperi</i>			1	1		v		1
246	Mollusca	<i>Alvania ogasawarana</i>		1		1		v		1
247	Mollusca	<i>Alveinus ojanus</i>	1	1	1	3	v	v		2
248	Mollusca	<i>Amphichama argentata</i>		1	1	2				0
249	Mollusca	<i>Amphioctopus fangsiao</i>	1			1	v			1
250	Mollusca	<i>Anachis miser</i>		1	1	2		v		1
251	Mollusca	<i>Anadara broughtonii</i>	1	2		3	v	v	v	3
252	Mollusca	<i>Anadara kagoshimensis</i>		2		2	v	v		2
253	Mollusca	<i>Anadara satowi</i>	1			1	v			1
254	Mollusca	<i>Angustassiminea castanea</i>		1		1	v			1
255	Mollusca	<i>Anodontia</i> sp.		1		1		v		1
256	Mollusca	<i>Anomia chinensis</i>		1	1	2	v			1
257	Mollusca	<i>Ansola angustata</i>	2	1		3	v			1
258	Mollusca	<i>Aplysia extraordinaria</i>			1	1		v		1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
259	Mollusca	<i>Aplysia juliana</i>			1	1	v			1
260	Mollusca	<i>Aplysia kurodai</i>		1	1	2		v		1
261	Mollusca	<i>Aplysia oculifera</i>			1	1	v			1
262	Mollusca	<i>Aplysia parvula</i>		1	1	2		v		1
263	Mollusca	<i>Aplysia sagamiana</i>			1	1		v		1
264	Mollusca	<i>Arca avellana</i>	1	2	1	4		v		1
265	Mollusca	<i>Arca boucardi</i>	1	2	1	4	v	v		2
266	Mollusca	<i>Arca</i> sp.		1		1		v		1
267	Mollusca	<i>Arcuatula senhousia</i>	9	3		12	v	v	v	3
268	Mollusca	<i>Assiminea japonica</i>	1	1		2	v		v	2
269	Mollusca	<i>Assiminea lutea</i>	1			1	v			1
270	Mollusca	<i>Assiminea</i> sp.	1			1	v			1
271	Mollusca	<i>Astrarium haematragum</i>		1		1		v		1
272	Mollusca	<i>Atagama intecta</i>		1		1		v		1
273	Mollusca	<i>Atrina pectinata</i>		3		3	v	v		2
274	Mollusca	<i>Austrocochlea piperina</i>			1	1		v		1
275	Mollusca	<i>Axinopsida subquadrata</i>			3	3		v		1
276	Mollusca	<i>Azorinus chamasolen</i>	1			1	v			1
277	Mollusca	<i>Azumapekten farreri</i>		1		1		v		1
278	Mollusca	<i>Bacteridium vittatum</i>	1			1	v			1
279	Mollusca	<i>Barbatia decussata</i>		1		1		v		1
280	Mollusca	<i>Barbatia stearnsii</i>		1		1		v		1
281	Mollusca	<i>Barbatia virescens</i>		2		2	v			1
282	Mollusca	<i>Barleeia simplex</i>		1		1		v		1
283	Mollusca	<i>Barleeia trifasciata</i>	1			1	v			1
284	Mollusca	<i>Barnea inornata</i>		1		1		v		1
285	Mollusca	<i>Barrimysia cumingii</i>	1			1	v			1
286	Mollusca	<i>Batillaria cumingii</i>	7	2		9	v			1
287	Mollusca	<i>Batillaria flectosiphonata</i>		1		1		v		1
288	Mollusca	<i>Batillaria multiformis</i>	3	2		5	v		v	2
289	Mollusca	<i>Batillaria</i> sp.	1			1	v			1
290	Mollusca	<i>Bedeva birileffi</i>		1		1		v		1
291	Mollusca	<i>Berthellina citrina</i>			1	1		v		1
292	Mollusca	<i>Bittium glareosum</i>		1		1		v		1
293	Mollusca	<i>Boonea umboniocola</i>	1			1	v			1
294	Mollusca	<i>Bornella stellifer</i>		1		1		v		1
295	Mollusca	<i>Borniopsis ariakensis</i>	1			1	v			1
296	Mollusca	<i>Borniopsis subsinuata</i>		1		1		v		1
297	Mollusca	<i>Borniopsis tsurumaru</i>	2			2	v	v		2
298	Mollusca	<i>Bostrycapulus aculeatus</i>		2		2		v		1
299	Mollusca	<i>Bostrycapulus gravispinosus</i>			1	1		v		1
300	Mollusca	<i>Bothropoma pilula</i>			1	1				0
301	Mollusca	<i>Bouchettriphora otsuensis</i>		1		1		v		1
302	Mollusca	<i>Brachidontes mutabilis</i>			1	1				0
303	Mollusca	<i>Brachystomia omaensis</i>	1			1		v		1

(Continued)



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No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
304	Mollusca	<i>Brachystomia</i> sp.	1			1	v			1
305	Mollusca	<i>Bullacta caurina</i>	6	2		8	v	v	v	3
306	Mollusca	<i>Cacozeliana variegata</i>		1		1		v		1
307	Mollusca	<i>Cadella delta</i>		1		1		v		1
308	Mollusca	<i>Cadella narutoensis</i>	1			1	v			1
309	Mollusca	<i>Cadella semitorta</i>	1			1		v		1
310	Mollusca	<i>Cadlina japonica</i>			1	1	v			1
311	Mollusca	<i>Caecum glabellum</i>	1			1		v		1
312	Mollusca	<i>Calliostoma consors</i>	1			1	v			1
313	Mollusca	<i>Calliostoma koma</i>		1		1		v		1
314	Mollusca	<i>Calliostoma multiliratum</i>	1			1	v			1
315	Mollusca	<i>Calyptrea morbida</i>	1	1		2	v		v	2
316	Mollusca	<i>Cantharidus bisbalteatus</i>		1	1	2	v			1
317	Mollusca	<i>Cantharidus callichroa</i>		2		2	v	v		2
318	Mollusca	<i>Cantharidus hirasei</i>		1		1		v		1
319	Mollusca	<i>Cantharidus japonicus</i>		1	1	2		v		1
320	Mollusca	<i>Cantharidus jessoensis</i>		1	1	2		v		1
321	Mollusca	<i>Cantharus cecillei</i>	1	2		3	v			1
322	Mollusca	<i>Capulus danieli</i>			1	1				0
323	Mollusca	<i>Cardita leana</i>		1	1	2	v	v		2
324	Mollusca	<i>Carditella hanzawai</i>		1		1		v		1
325	Mollusca	<i>Carminodoris armata</i>			1	1		v		1
326	Mollusca	<i>Cautor granulatus</i>		1		1		v		1
327	Mollusca	<i>Cecina manchurica</i>	1			1	v			1
328	Mollusca	<i>Cellana grata</i>			1	1		v		1
329	Mollusca	<i>Cellana nigrolineata</i>			1	1		v		1
330	Mollusca	<i>Cellana toreuma</i>			1	1	v	v	v	3
331	Mollusca	<i>Ceratosoma tenue</i>		1		1		v		1
332	Mollusca	<i>Ceratosoma trilobatum</i>		1		1		v		1
333	Mollusca	<i>Ceratostoma burnetti</i>		1		1	v			1
334	Mollusca	<i>Ceratostoma fournieri</i>		1		1		v		1
335	Mollusca	<i>Ceratostoma rorifluum</i>	1	1		2	v			1
336	Mollusca	<i>Cerithidea balteata</i>	1	1	1	3	v	v		2
337	Mollusca	<i>Cerithidea largillierti</i>		1		1		v		1
338	Mollusca	<i>Cerithidea rhizophorarum</i>		1		1	v			1
339	Mollusca	<i>Cerithideopsisilla djadjariensis</i>		1		1	v			1
340	Mollusca	<i>Cerithideopsis largillierti</i>		1		1	v			1
341	Mollusca	<i>Cerithiopsis marileutes</i>		1		1		v		1
342	Mollusca	<i>Cerithiopsis subreticulata</i>		1		1		v		1
343	Mollusca	<i>Cerithium alutaceum</i>		1		1		v		1
344	Mollusca	<i>Cerithium dialeucum</i>		1		1		v		1
345	Mollusca	<i>Chama dunkeri</i>		1	1	2				0
346	Mollusca	<i>Chama fraga</i>		1		1		v		1
347	Mollusca	<i>Chama fragum</i>			1	1	v			1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
348	Mollusca	<i>Chama japonica</i>		1	1	2	v			1
349	Mollusca	<i>Chama limbula</i>		1	1	2		v		1
350	Mollusca	<i>Chama</i> sp.			1	1				0
351	Mollusca	<i>Charonia lampas</i>		1		1		v		1
352	Mollusca	<i>Chitonida</i> sp.	1			1		v		1
353	Mollusca	<i>Chlamys farreeri</i>			1	1				0
354	Mollusca	<i>Chlamys irregularis</i>		1		1		v		1
355	Mollusca	<i>Chlamys jousseaumei</i>		1		1		v		1
356	Mollusca	<i>Chlamys lemniscata</i>		1		1		v		1
357	Mollusca	<i>Chlorostoma argyrostoma</i>			1	1				0
358	Mollusca	<i>Chlorostoma lischkei</i>		2	1	3	v	v		2
359	Mollusca	<i>Chlorostoma turbinatum</i>		1	1	2		v		1
360	Mollusca	<i>Chlorostoma xanthostigma</i>		1	1	2		v		1
361	Mollusca	<i>Chromodoris annae</i>			1	1		v		1
362	Mollusca	<i>Chromodoris orientalis</i>		1	1	2		v		1
363	Mollusca	<i>Cingulina cingulata</i>	2			2	v	v		2
364	Mollusca	<i>Cipangopaludina chinensis</i>		1		1	v			1
365	Mollusca	<i>Citharomangalia radulina</i>		1		1		v		1
366	Mollusca	<i>Clanculus denticulatus</i>		1		1		v		1
367	Mollusca	<i>Clanculus margaritarius</i>		1		1		v		1
368	Mollusca	<i>Clanculus microdon</i>		1		1		v		1
369	Mollusca	<i>Clathrodrillia flavidula</i>		1		1		v		1
370	Mollusca	<i>Clithon retropictum</i>		1		1	v			1
371	Mollusca	<i>Collonista glareosa</i>		1		1		v		1
372	Mollusca	<i>Conotalopia mustelina</i>	1	1		2	v			1
373	Mollusca	<i>Conus fulmen</i>		1		1		v		1
374	Mollusca	<i>Conus lischkeanus</i>		1		1		v		1
375	Mollusca	<i>Corbicula japonica</i>		4		4	v	v	v	3
376	Mollusca	<i>Corbicula leana</i>		2		2	v	v		2
377	Mollusca	<i>Corbicula</i> sp.		1		1	v			1
378	Mollusca	<i>Corbula smithiana</i>	1	1		2		v		1
379	Mollusca	<i>Corbula yokoyamai</i>	1			1		v		1
380	Mollusca	<i>Coriophora fusca</i>		1		1		v		1
381	Mollusca	<i>Crassostrea gigas</i>		1		1		v		1
382	Mollusca	<i>Crassostrea nigromarginata</i>		1		1		v		1
383	Mollusca	<i>Crassostrea nippona</i>		1		1		v		1
384	Mollusca	<i>Crassostrea</i> sp.	2			2		v		1
385	Mollusca	<i>Crenomytilus grayanus</i>			1	1	v	v		2
386	Mollusca	<i>Crepidula onyx</i>	1	2	1	4	v	v	v	3
387	Mollusca	<i>Cryptomya busoensis</i>		2		2		v	v	2
388	Mollusca	<i>Cryptomya elliptica</i>	1			1	v			1
389	Mollusca	<i>Cryptomya sinensis</i>	1			1	v			1
390	Mollusca	<i>Cryptonatica janthostomoides</i>		1		1	v			1
391	Mollusca	<i>Cryptonatica</i> sp.	1	1		2	v			1

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
392	Mollusca	<i>Cryptoplax japonica</i>		1	1	2		v		1
393	Mollusca	<i>Ctena bella</i>		1		1		v		1
394	Mollusca	<i>Ctenoides lischkei</i>	1	1		2		v		1
395	Mollusca	<i>Cucurbitula cymbium</i>		2		2		v	v	2
396	Mollusca	<i>Cuspeulima</i> sp.		1		1		v		1
397	Mollusca	<i>Cycladicama lunaria</i>	2	2		4	v	v		2
398	Mollusca	<i>Cyclina sinensis</i>	5	2		7	v	v		2
399	Mollusca	<i>Cylichna biplicata</i>		1		1		v		1
400	Mollusca	<i>Cylichnatys angusta</i>	1			1	v			1
401	Mollusca	<i>Decorifer insignis</i>		1		1		v		1
402	Mollusca	<i>Decorifer matusimana</i>	1			1	v			1
403	Mollusca	<i>Dendostrea sandvichensis</i>		1		1		v		1
404	Mollusca	<i>Dendrodoris arborescens</i>		1		1		v		1
405	Mollusca	<i>Dendrodoris krusensternii</i>			1	1		v		1
406	Mollusca	<i>Dendropoma maximum</i>		1	1	2				0
407	Mollusca	<i>Dermatobranchus otome</i>			1	1		v		1
408	Mollusca	<i>Devonia semperi</i>	1			1	v			1
409	Mollusca	<i>Diala semistriata</i>		1		1		v		1
410	Mollusca	<i>Didimacar tenebrica</i>		1		1	v			1
411	Mollusca	<i>Diminovula whitworthi</i>		1		1		v		1
412	Mollusca	<i>Diodora quadriradiata</i>		1		1		v		1
413	Mollusca	<i>Diodora sieboldii</i>		1		1		v		1
414	Mollusca	<i>Diplodonta gouldi</i>	1			1		v		1
415	Mollusca	<i>Donax veneriformis</i>	1			1	v			1
416	Mollusca	<i>Dorisca nana</i>	1			1		v		1
417	Mollusca	<i>Dosinia corrugata</i>	1			1	v			1
418	Mollusca	<i>Dosinia japonica</i>	4	2		6	v	v		2
419	Mollusca	<i>Duplicaria</i> sp.	1			1	v			1
420	Mollusca	<i>Echinolittorina radiata</i>			1	1		v	v	2
421	Mollusca	<i>Ellobium chinense</i>		1		1	v			1
422	Mollusca	<i>Elysia abei</i>			1	1		v		1
423	Mollusca	<i>Elysia amakusana</i>			1	1		v		1
424	Mollusca	<i>Elysia flavomaculata</i>			1	1		v		1
425	Mollusca	<i>Emarginella incisura</i>		1		1		v		1
426	Mollusca	<i>Engina menkeana</i>			1	1		v		1
427	Mollusca	<i>Ennucula niponica</i>	1	2		3		v	v	2
428	Mollusca	<i>Ennucula tenuis</i>	4	2		6	v	v	v	3
429	Mollusca	<i>Enteractopus dofleini</i>			1	1		v		1
430	Mollusca	<i>Entodesma navicula</i>			1	1				0
431	Mollusca	<i>Eocylichna braunsi</i>	1			1		v		1
432	Mollusca	<i>Eocylichna sigmolabris</i>	1			1	v			1
433	Mollusca	<i>Epitonium eusculptum</i>	1			1	v			1
434	Mollusca	<i>Epitonium latifasciatum</i>		1		1	v			1
435	Mollusca	<i>Ergaea walshi</i>	1			1	v			1
436	Mollusca	<i>Ergalatax contracta</i>		1	1	2		v		1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
437	Mollusca	<i>Erginus moskalevi</i>		1		1		v		1
438	Mollusca	<i>Estellacar galactodes</i>		1		1	v			1
439	Mollusca	<i>Estellacar olivacea</i>	2			2	v			1
440	Mollusca	<i>Etrema subauriformis</i>		1		1		v		1
441	Mollusca	<i>Euchelus rubra</i>		1		1		v		1
442	Mollusca	<i>Eulima paria</i>	1			1	v			1
443	Mollusca	<i>Eulima</i> sp.	1			1	v			1
444	Mollusca	<i>Eunaticina papilla</i>	1			1	v			1
445	Mollusca	<i>Euplica scripta</i>		1		1		v		1
446	Mollusca	<i>Eurytrochus cognatus</i>		1		1		v		1
447	Mollusca	<i>Euspira gilva</i>	1	1		2	v			1
448	Mollusca	<i>Euspira</i> sp.	1			1	v			1
449	Mollusca	<i>Exolaternula spengleri</i>	1	1		2	v		v	2
450	Mollusca	<i>Felaniella sowerbyi</i>	2		1	3	v	v		2
451	Mollusca	<i>Felaniella usta</i>	1			1	v			1
452	Mollusca	<i>Fiona pinnata</i>			1	1		v		1
453	Mollusca	<i>Fluviocingula nipponica</i>		1	1	2	v		v	2
454	Mollusca	<i>Fossarina picta</i>			1	1		v		1
455	Mollusca	<i>Fulvia mutica</i>	2	3		5	v	v		2
456	Mollusca	<i>Fusitriton galea</i>			1	1		v		1
457	Mollusca	<i>Gafrarium</i> sp.		1		1		v		1
458	Mollusca	<i>Gastrochaena cuneiformis</i>		1	1	2				0
459	Mollusca	<i>Gastrochaena</i> sp.			1	1				0
460	Mollusca	<i>Geitodoris lutea</i>		1		1		v		1
461	Mollusca	<i>Genkaimurex varicosa</i>		1		1		v		1
462	Mollusca	<i>Glaucanome chinensis</i>	4	1		5	v		v	2
463	Mollusca	<i>Glossodoris misakinosibogae</i>		1		1		v		1
464	Mollusca	<i>Glossodoris pallida</i>		1		1		v		1
465	Mollusca	<i>Glycymeris aspersa</i>			1	1		v		1
466	Mollusca	<i>Goniobranchus aureopurpureus</i>			1	1		v		1
467	Mollusca	<i>Goniobranchus tinctoria</i>		1		1		v		1
468	Mollusca	<i>Goniobranchus tinctorius</i>			1	1		v		1
469	Mollusca	<i>Granata lyrata</i>		1		1		v		1
470	Mollusca	<i>Granuliterebra bathyrhaphe</i>	1	1		2	v	v		2
471	Mollusca	<i>Gregariella semigranata</i>			1	1				0
472	Mollusca	<i>Guraleus deshayesii</i>	1			1	v			1
473	Mollusca	<i>Gyrineum pulchellum</i>		2		2		v		1
474	Mollusca	<i>Gyroscalea commutata</i>			1	1		v		1
475	Mollusca	<i>Haliotis discus</i>			1	1		v		1
476	Mollusca	<i>Haliotis gigantea</i>			1	1		v		1
477	Mollusca	<i>Haliotis supertexta</i>		1	1	2				0
478	Mollusca	<i>Haloa japonica</i>		1	1	2	v			1
479	Mollusca	<i>Haloa</i> sp.		1		1		v		1
480	Mollusca	<i>Hanleyanus vestalioides</i>		2		2		v		1
481	Mollusca	<i>Hawaiarca uwaensis</i>		1		1		v		1

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea			Habitat					
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total	
482	Mollusca	<i>Hemifusus ternatanus</i>		1		1	v			1	
483	Mollusca	<i>Hermisenda crassicornis</i>			1	1		v		1	
484	Mollusca	<i>Herpetopoma lischkei</i>		1		1		v		1	
485	Mollusca	<i>Heteroligo bleekeri</i>			1	1				0	
486	Mollusca	<i>Hiatella arctica</i>			1	1				0	
487	Mollusca	<i>Hiloa variabilis</i>			1	1				0	
488	Mollusca	<i>Hima hypolia</i>		1		1		v		1	
489	Mollusca	<i>Homalopoma amussitatum</i>	1		1	2		v		1	
490	Mollusca	<i>Homalopoma nocturnum</i>		1	1	2		v		1	
491	Mollusca	<i>Homalopoma sangarense</i>			1	1		v		1	
492	Mollusca	<i>Homoiodoris japonica</i>			1	1		v		1	
493	Mollusca	<i>Hormomya mutabilis</i>		1		1		v		1	
494	Mollusca	<i>Hybochelus orientalis</i>		1		1		v		1	
495	Mollusca	<i>Hydatina albocincta</i>	1			1		v	v	2	
496	Mollusca	<i>Hyotissa hyotis</i>		1		1		v		1	
497	Mollusca	<i>Hypotriphora sagamiensis</i>		1		1		v		1	
498	Mollusca	<i>Hypselodoris festiva</i>		1	1	2		v		1	
499	Mollusca	<i>Inella japonica</i>		1		1		v		1	
500	Mollusca	<i>Iniforis alba</i>		1		1		v		1	
501	Mollusca	<i>Iniforis fusiformis</i>		1		1		v		1	
502	Mollusca	<i>Iniforis</i> sp.			1	1				0	
503	Mollusca	<i>Inquisitor</i> sp.	2			2		v	v	2	
504	Mollusca	<i>Iravadia</i> sp.	1			1		v		1	
505	Mollusca	<i>Iridona iridescens</i>	4	1		5		v	v	2	
506	Mollusca	<i>Irus irus</i>		1	1	2		v		1	
507	Mollusca	<i>Irus mitis</i>		1	1	2				0	
508	Mollusca	<i>Ischnochiton boninensis</i>		1	1	2		v		1	
509	Mollusca	<i>Ischnochiton comptus</i>		1	1	2		v		1	
510	Mollusca	<i>Ischnochiton hakodadensis</i>	1	1	1	3		v	v	2	
511	Mollusca	<i>Ischnochiton</i> sp.			1	1				0	
512	Mollusca	<i>Isotriphora kurodai</i>		1		1		v		1	
513	Mollusca	<i>Iwakawatrochus urbanus</i>		1		1		v		1	
514	Mollusca	<i>Japeuthria ferrea</i>		1		1		v		1	
515	Mollusca	<i>Japonactaeon nipponensis</i>	1			1		v		1	
516	Mollusca	<i>Joannisiella cumingii</i>	2	1		3		v	v	2	
517	Mollusca	<i>Jolya elongata</i>	1	2		3		v	v	v	3
518	Mollusca	<i>Kelletia lischkei</i>		1	1	2		v		1	
519	Mollusca	<i>Kellia porculus</i>		1		1		v		1	
520	Mollusca	<i>Kellia suborbicularis</i>	1			1		v		1	
521	Mollusca	<i>Komaitrochus pulcher</i>		1		1		v		1	
522	Mollusca	<i>Koreameya arcuata</i>	1	1		2		v	v	2	
523	Mollusca	<i>Lactiforis takii</i>		1		1		v		1	
524	Mollusca	<i>Lacuna smithii</i>	2			2		v		1	
525	Mollusca	<i>Laevichlamys cuneata</i>		1	1	2		v		1	
526	Mollusca	<i>Laevidentalium</i> sp.		1		1		v		1	

(Continued)

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No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
527	Mollusca	<i>Laguncula pulchella</i>	2			2	v	v		2
528	Mollusca	<i>Lamellaria kiiensis</i>			1	1	v			1
529	Mollusca	<i>Lasaea undulata</i>	2		1	3	v	v		2
530	Mollusca	<i>Lataxiena fimbriata</i>		1		1		v		1
531	Mollusca	<i>Laternula anatina</i>	3			3	v			1
532	Mollusca	<i>Laternula boschasina</i>	2			2	v			1
533	Mollusca	<i>Laternula gracilis</i>	4	1		5	v			1
534	Mollusca	<i>Laternula navicula</i>	1			1	v			1
535	Mollusca	<i>Laternula rostrata</i>		1		1	v			1
536	Mollusca	<i>Laternula</i> sp.	2	1		3	v	v	v	3
537	Mollusca	<i>Leiosolenus lischkei</i>			1	1		v		1
538	Mollusca	<i>Lepidozonia coreanica</i>	1	2	1	4	v	v		2
539	Mollusca	<i>Leucosphaera oyamai</i>		1		1		v		1
540	Mollusca	<i>Leukoma jedoensis</i>		1		1	v	v		2
541	Mollusca	<i>Lima</i> sp.		1		1		v		1
542	Mollusca	<i>Limaria basilanica</i>		2		2		v	v	2
543	Mollusca	<i>Limaria hakodatensis</i>		1		1			v	1
544	Mollusca	<i>Limaria hirasei</i>		1	1	2		v		1
545	Mollusca	<i>Limatula japonica</i>			1	1		v		1
546	Mollusca	<i>Limecola contabulata</i>		1		1	v		v	2
547	Mollusca	<i>Liocyma</i> sp.	1			1	v			1
548	Mollusca	<i>Liolophura japonica</i>		2	1	3	v	v		2
549	Mollusca	<i>Lirularia iridescens</i>	1			1	v			1
550	Mollusca	<i>Lithophaga cura</i>		1		1		v		1
551	Mollusca	<i>Littopa nipponica</i>		1		1		v		1
552	Mollusca	<i>Littoraria scabra</i>	1			1	v			1
553	Mollusca	<i>Littoraria sinensis</i>		1		1	v			1
554	Mollusca	<i>Littorina brevicula</i>	3	2	1	6	v	v		2
555	Mollusca	<i>Littorina mandshurica</i>			1	1				0
556	Mollusca	<i>Lottia dorsuosa</i>			1	1		v	v	2
557	Mollusca	<i>Lottia kogamogai</i>	1	1		2	v			1
558	Mollusca	<i>Lottia langfordi</i>	1	1	1	3	v			1
559	Mollusca	<i>Lottia</i> sp.	1			1	v			1
560	Mollusca	<i>Lottia tenuisculpta</i>			1	1				0
561	Mollusca	<i>Lunella coreensis</i>	3	1		4	v			1
562	Mollusca	<i>Lusepiola birostrata</i>	1			1	v			1
563	Mollusca	<i>Lyncina vitellus</i>		1		1		v		1
564	Mollusca	<i>Macoma incongrua</i>	1	2	1	4	v	v		2
565	Mollusca	<i>Macoma moesta</i>	1			1	v			1
566	Mollusca	<i>Macoma nipponica</i>	1			1			v	1
567	Mollusca	<i>Macoma</i> sp.	1	2		3		v		1
568	Mollusca	<i>Macoma tokyoensis</i>	2	1		3	v	v	v	3
569	Mollusca	<i>Macridiscus aequilatera</i>	1			1	v	v		2
570	Mollusca	<i>Macridiscus melanaegis</i>	1			1		v		1
571	Mollusca	<i>Macroschisma sinense</i>		1		1		v		1

(Continued)



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No.	Phylum	Scientific name	Korean Sea			Habitat				
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
572	Mollusca	<i>Macroschisma</i> sp.		1		1		v		1
573	Mollusca	<i>Macra antiquata</i>	1			1	v			1
574	Mollusca	<i>Macra chinensis</i>	4			4	v	v		2
575	Mollusca	<i>Macra crossei</i>		1		1			v	1
576	Mollusca	<i>Macra quadrangularis</i>	4	1		5	v	v		2
577	Mollusca	<i>Maculotriron serriale</i>		1		1		v		1
578	Mollusca	<i>Magallana gigas</i>	5	1	1	7	v	v		2
579	Mollusca	<i>Magallana nippona</i>			1	1		v		1
580	Mollusca	<i>Mancinella echinata</i>		1		1		v		1
581	Mollusca	<i>Mangelia</i> sp.	1			1	v			1
582	Mollusca	<i>Mastonia</i> sp.			1	1				0
583	Mollusca	<i>Megacardita</i> sp.		1		1		v		1
584	Mollusca	<i>Megangulus venulosus</i>		1		1		v		1
585	Mollusca	<i>Megastomia</i> sp.	1			1	v			1
586	Mollusca	<i>Melanella</i> sp.	1			1		v		1
587	Mollusca	<i>Mercenaria stimpsoni</i>		1		1	v			1
588	Mollusca	<i>Meretrix lusoria</i>	2			2	v			1
589	Mollusca	<i>Meretrix petechialis</i>	4	1		5	v	v		2
590	Mollusca	<i>Metaachis marquesa</i>		1		1		v		1
591	Mollusca	<i>Mipus arbutum</i>		1		1		v		1
592	Mollusca	<i>Mitrella albuginosa</i>	1	1		2	v			1
593	Mollusca	<i>Mitrella anachisoides</i>		1		1		v		1
594	Mollusca	<i>Mitrella bella</i>		1		1		v		1
595	Mollusca	<i>Mitrella bicincta</i>	1	1	1	3	v	v		2
596	Mollusca	<i>Mitrella burchardi</i>	1	1		2	v	v		2
597	Mollusca	<i>Mitrella lischkei</i>		1		1		v		1
598	Mollusca	<i>Mitrella nympha</i>		1		1		v		1
599	Mollusca	<i>Mitrella tenuis</i>	1	1		2	v			1
600	Mollusca	<i>Mitrella yabei</i>	1	1		2	v	v		2
601	Mollusca	<i>Modiolus agripeta</i>		2		2	v			1
602	Mollusca	<i>Modiolus auriculatus</i>		1		1		v		1
603	Mollusca	<i>Modiolus auriculatus</i>			1	1	v	v		2
604	Mollusca	<i>Modiolus comptus</i>		1		1		v		1
605	Mollusca	<i>Modiolus elongatus</i>	2	1		3	v	v		2
606	Mollusca	<i>Modiolus kurilensis</i>		1	1	2				0
607	Mollusca	<i>Modiolus modiolus</i>		1		1		v		1
608	Mollusca	<i>Modiolus philippinarum</i>			1	1				0
609	Mollusca	<i>Modiolus</i> sp.			1	1		v		1
610	Mollusca	<i>Moerella hilaris</i>	4	3		7	v	v	v	3
611	Mollusca	<i>Moerella iridescens</i>	2			2	v			1
612	Mollusca	<i>Moerella rutila</i>	6	2		8	v	v		2
613	Mollusca	<i>Moerella</i> sp.	3	2		5	v	v	v	3
614	Mollusca	<i>Monodonta confusa</i>			1	1		v		1
615	Mollusca	<i>Monodonta labio</i>	1	1		2	v			1
616	Mollusca	<i>Monodonta neritoides</i>		1	1	2	v	v		2

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
617	Mollusca	<i>Monodonta perplexa</i>			1	1	v	v		2
618	Mollusca	<i>Monoplex echo</i>		1		1	v			1
619	Mollusca	<i>Monoplex parthenopeus</i>		1		1	v			1
620	Mollusca	<i>Montfortia pulchra</i>		1		1	v			1
621	Mollusca	<i>Mopalia retifera</i>	1	1	1	3	v	v		2
622	Mollusca	<i>Morula iostoma</i>		1		1	v			1
623	Mollusca	<i>Morula spinosa</i>		1		1	v			1
624	Mollusca	<i>Munditiella ammonoceras</i>		1		1	v			1
625	Mollusca	<i>Musculus cumingiana</i>		1		1	v			1
626	Mollusca	<i>Musculus cumingianus</i>	1			1	v			1
627	Mollusca	<i>Musculus cupreus</i>	1		1	2	v			1
628	Mollusca	<i>Musculus nanua</i>		1		1	v			1
629	Mollusca	<i>Musculus pusio</i>		1		1	v			1
630	Mollusca	<i>Musculus viridulus</i>		1	1	2				0
631	Mollusca	<i>Myadora</i> sp.		1		1	v			1
632	Mollusca	<i>Mytilisepta keenae</i>	1		1	2	v			1
633	Mollusca	<i>Mytilus coruscus</i>		1		1	v			1
634	Mollusca	<i>Mytilus edulis</i>	1		1	2	v	v		2
635	Mollusca	<i>Mytilus galloprovincialis</i>	2	1		3	v			1
636	Mollusca	<i>Mytilus</i> sp.	1	1		2	v	v		2
637	Mollusca	<i>Mytilus unguiculatus</i>			1	1	v			1
638	Mollusca	<i>Naria helvola</i>		1		1	v			1
639	Mollusca	<i>Nassaria magnifica</i>		1		1	v			1
640	Mollusca	<i>Nassarius caelatus</i>	1			1	v			1
641	Mollusca	<i>Nassarius castus</i>	1			1	v			1
642	Mollusca	<i>Nassarius fraterculus</i>	2	3	1	6	v	v		2
643	Mollusca	<i>Nassarius glans</i>			1	1				0
644	Mollusca	<i>Nassarius livescens</i>	1	2		3	v	v		2
645	Mollusca	<i>Nassarius reeveanus</i>		2		2	v	v	v	2
646	Mollusca	<i>Nassarius sinarum</i>		1		1	v			1
647	Mollusca	<i>Nassarius</i> sp.	1	1		2	v	v		2
648	Mollusca	<i>Neopycnodonte cochlear</i>		1	1	2	v			1
649	Mollusca	<i>Neotrapezium liratum</i>		2		2	v			1
650	Mollusca	<i>Neptunea cumingii</i>	1			1	v			1
651	Mollusca	<i>Nerita japonica</i>	1	1		2	v			1
652	Mollusca	<i>Neverita didyma</i>	4	3		7	v	v	v	3
653	Mollusca	<i>Nipponacmea concinna</i>	1		1	2	v			1
654	Mollusca	<i>Nipponacmea gloriosa</i>	1		1	2	v	v		2
655	Mollusca	<i>Nipponacmea radula</i>		1		1	v			1
656	Mollusca	<i>Nipponacmea schrenckii</i>	1	1	1	3	v	v		2
657	Mollusca	<i>Nipponomysella oblongata</i>	3	1		4	v	v		2
658	Mollusca	<i>Nipponomysella subtruncata</i>	1			1	v			1
659	Mollusca	<i>Nitidotellina hokkaidoensis</i>	3	1		4	v	v		2
660	Mollusca	<i>Nitidotellina lischkei</i>	4	2		6	v	v	v	3
661	Mollusca	<i>Nitidotellina</i> sp.	2	1		3	v	v		2

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea			Habitat			Total	
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal		estuary
662	Mollusca	<i>Nitidotellina valtonis</i>		2		2		v	v	2
663	Mollusca	<i>Niveotectura pallida</i>	2			2	v			1
664	Mollusca	<i>Notarchus punctatus</i>			1	1	v			1
665	Mollusca	<i>Notoacmea concinna</i>			1	1		v		1
666	Mollusca	<i>Notoacmea nigrans</i>			1	1		v		1
667	Mollusca	<i>Notoacmea schrenckii1</i>	1			1	v			1
668	Mollusca	<i>Notoacmea schrenckii2</i>	1	1		2	v			1
669	Mollusca	<i>Notobryon clavigerum</i>			1	1		v		1
670	Mollusca	<i>Notobryon wardi</i>			1	1		v		1
671	Mollusca	<i>Nozema ziczac</i>	1			1	v			1
672	Mollusca	<i>Nucella freycineti</i>		1		1		v		1
673	Mollusca	<i>Nucula paulula</i>		2		2		v	v	2
674	Mollusca	<i>Nuculana yokoyamai</i>			1	1		v		1
675	Mollusca	<i>Nudibranchia</i> sp.	1	1		2		v	v	2
676	Mollusca	<i>Nuttallia japonica</i>	2	2		4	v	v	v	3
677	Mollusca	<i>Nuttallia olivacea</i>		1		1	v		v	2
678	Mollusca	<i>Obesotoma tenuilirata</i>		1		1		v		1
679	Mollusca	<i>Obesula turricula</i>		1		1		v		1
680	Mollusca	<i>Ocenebra inornata</i>	1	1		2	v			1
681	Mollusca	<i>Ocinebrellus inornatum</i>		1		1		v		1
682	Mollusca	<i>Octopus</i> sp.		1		1		v		1
683	Mollusca	<i>Octopus vulgaris</i>			1	1		v		1
684	Mollusca	<i>Odostomia aomori</i>	1			1		v		1
685	Mollusca	<i>Odostomia</i> sp.	1			1		v		1
686	Mollusca	<i>Odostomia sublirulata</i>	1			1		v		1
687	Mollusca	<i>Oenopota okudai</i>	1			1		v		1
688	Mollusca	<i>Okenia hiroi</i>			1	1		v		1
689	Mollusca	<i>Oliva mustelina</i>		1		1		v		1
690	Mollusca	<i>Olivella fulgurata</i>	1			1		v		1
691	Mollusca	<i>Omphalius carpenteri</i>		1		1		v		1
692	Mollusca	<i>Omphalius nigerrimus</i>			1	1		v		1
693	Mollusca	<i>Omphalius rusticus</i>	1	1	1	3	v	v		2
694	Mollusca	<i>Onithochiton hirasei</i>		1	1	2		v		1
695	Mollusca	<i>Oscilla tricordata</i>	1			1		v		1
696	Mollusca	<i>Ostrea circumpicta</i>		1	1	2		v		1
697	Mollusca	<i>Ostrea denselamellosa</i>		1		1		v		1
698	Mollusca	<i>Ostrea</i> sp.			1	1				0
699	Mollusca	<i>Palmadusta artuffeli</i>		1		1		v		1
700	Mollusca	<i>Paludinellassiminea japonica</i>	1			1		v		1
701	Mollusca	<i>Paludinellassiminea</i> sp.	2			2		v	v	2
702	Mollusca	<i>Paphia</i> sp.	1			1		v		1
703	Mollusca	<i>Paradrillia inconstans</i>		1		1		v		1
704	Mollusca	<i>Paratapes undulatus</i>		2		2		v		1
705	Mollusca	<i>Patelloida conulus</i>	1		1	2		v	v	2
706	Mollusca	<i>Patelloida heroldi</i>	1	1	1	3		v	v	2

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
707	Mollusca	<i>Patelloida lanx</i>		1		1		v		1
708	Mollusca	<i>Patelloida pygmaea</i>	1	2		3	v			1
709	Mollusca	<i>Patelloida saccharina</i>			1	1	v	v		2
710	Mollusca	<i>Patelloida signata</i>			1	1		v		1
711	Mollusca	<i>Peasiella infracostata</i>	1			1	v			1
712	Mollusca	<i>Peasiella</i> sp.	1			1	v			1
713	Mollusca	<i>Pecten albicans</i>		1		1	v			1
714	Mollusca	<i>Pectinodonta orientalis</i>		1		1	v			1
715	Mollusca	<i>Pendaloma otohimeae</i>		1		1			v	1
716	Mollusca	<i>Perna viridis</i>	1			1		v		1
717	Mollusca	<i>Petalochonchus tokyoensis</i>		1		1	v			1
718	Mollusca	<i>Petricola habeii</i>		1		1	v			1
719	Mollusca	<i>Phacosoma japonicum</i>	1			1	v			1
720	Mollusca	<i>Phasianella solida</i>		1		1		v		1
721	Mollusca	<i>Philbertia leuckarti</i>		1		1		v		1
722	Mollusca	<i>Philine orientalis</i>	6	2		8	v	v	v	3
723	Mollusca	<i>Philine ornatissima</i>	1			1			v	1
724	Mollusca	<i>Philine scalpta</i>		3		3		v		1
725	Mollusca	<i>Phlyctiderma japonicum</i>		1		1		v		1
726	Mollusca	<i>Phyllidia picta</i>		1		1		v		1
727	Mollusca	<i>Phyllidiella pustulosa</i>		1		1		v		1
728	Mollusca	<i>Phyllodesmium serratum</i>			1	1		v		1
729	Mollusca	<i>Pillucina pisdium</i>			1	1		v		1
730	Mollusca	<i>Pirenella cingulata</i>	1	2		3	v			1
731	Mollusca	<i>Pisania tritonoidea</i>		1		1		v		1
732	Mollusca	<i>Pitar indecorus</i>	3			3		v	v	2
733	Mollusca	<i>Placida cremoniana</i>			1	1	v			1
734	Mollusca	<i>Placiphorella stimpsoni</i>		1	1	2	v			1
735	Mollusca	<i>Platydoris speciosa</i>		1		1		v		1
736	Mollusca	<i>Platydoris tabulata</i>		1	1	2		v		1
737	Mollusca	<i>Pleurobranchaea japonica</i>			1	1		v		1
738	Mollusca	<i>Pleurobranchaea maculata</i>	1			1		v		1
739	Mollusca	<i>Plicatula australis</i>		1		1		v		1
740	Mollusca	<i>Plicatula horrida</i>		1		1		v		1
741	Mollusca	<i>Polinices fortunei</i>		1		1		v		1
742	Mollusca	<i>Pollia mollis</i>		1		1		v		1
743	Mollusca	<i>Pollia subrubiginosa</i>			1	1				0
744	Mollusca	<i>Pollia subrubiginosus</i>		1		1		v		1
745	Mollusca	<i>Pomaulax japonicus</i>		1	1	2		v		1
746	Mollusca	<i>Porterius dalli</i>			1	1	v			1
747	Mollusca	<i>Potamocorbula amurensis</i>	5			5	v	v	v	3
748	Mollusca	<i>Potamocorbula laevis</i>	2			2	v			1
749	Mollusca	<i>Potamocorbula</i> sp.	2	1		3	v	v		2
750	Mollusca	<i>Praetextellina praetexta</i>	2	2		4		v		1
751	Mollusca	<i>Pristiterebra taylori</i>		1		1			v	1

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea			Habitat				
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
752	Mollusca	<i>Protaeolidiella atra</i>			1	1		v		1
753	Mollusca	<i>Proterato pura</i>		1		1		v		1
754	Mollusca	<i>Pseudochama retroversa</i>		1	1	2				0
755	Mollusca	<i>Pseudoetrema fortilirata</i>	1			1	v			1
756	Mollusca	<i>Pseudoliotia pulchella</i>		1		1		v		1
757	Mollusca	<i>Pseudomphala latericea</i>		1		1	v			1
758	Mollusca	<i>Pseudomphala</i> sp.		1		1	v			1
759	Mollusca	<i>Pseudonoba yendoi</i>	1			1	v			1
760	Mollusca	<i>Pteria brevilata</i>		1		1		v		1
761	Mollusca	<i>Pteria maura</i>		1		1		v		1
762	Mollusca	<i>Puncturella fastigiata</i>		1		1		v		1
763	Mollusca	<i>Pupa strigosa</i>	1			1	v			1
764	Mollusca	<i>Purpuradusta gracilis</i>		1	1	2				0
765	Mollusca	<i>Pyrene flaua</i>		1		1		v		1
766	Mollusca	<i>Pyrene subcribraria</i>		1		1		v		1
767	Mollusca	<i>Pyrene tylerae</i>		1		1		v		1
768	Mollusca	<i>Pyreneola pleurotomoides</i>		1		1		v		1
769	Mollusca	<i>Pyrgiscilla</i> sp.	1			1	v			1
770	Mollusca	<i>Quadrimaera pacifica</i>		2		2		v		1
771	Mollusca	<i>Raeta pulchella</i>	5	2		7		v	v	2
772	Mollusca	<i>Rapana bezoar</i>		1		1	v			1
773	Mollusca	<i>Rapana venosa</i>	3	1		4	v			1
774	Mollusca	<i>Reishia bronni</i>	1	1		2	v	v		2
775	Mollusca	<i>Reishia clavigera</i>	2	2		4	v			1
776	Mollusca	<i>Reishia luteostoma</i>			1	1		v		1
777	Mollusca	<i>Reticunassa festiva</i>	5	2		7	v	v		2
778	Mollusca	<i>Retusa matsusimanus</i>		1		1		v		1
779	Mollusca	<i>Rhinoclavis kochi</i>		1		1		v		1
780	Mollusca	<i>Rhyssoplax kurodai</i>		1	1	2		v		1
781	Mollusca	<i>Rhyssoplax tectiformis</i>			1	1				0
782	Mollusca	<i>Ringicula doliaris</i>	2			2	v	v		2
783	Mollusca	<i>Ringicula</i> sp.	1			1		v		1
784	Mollusca	<i>Rissoina costulata</i>		1		1		v		1
785	Mollusca	<i>Rissoina plicatula</i>		1		1		v		1
786	Mollusca	<i>Ruditapes philippinarum</i>	4	3		7	v	v	v	3
787	Mollusca	<i>Sabia conica</i>			1	1		v		1
788	Mollusca	<i>Saccostrea echinata</i>		1	1	2	v	v		2
789	Mollusca	<i>Sakuraeolis gerberina</i>			1	1		v		1
790	Mollusca	<i>Sakuraeolis japonica</i>			1	1		v		1
791	Mollusca	<i>Samacar strabo</i>		1		1		v		1
792	Mollusca	<i>Sandalia rhodia</i>	1			1	v			1
793	Mollusca	<i>Sandalia triticea</i>	1		1	2	v			1
794	Mollusca	<i>Saxidomus</i> sp.		1		1		v		1
795	Mollusca	<i>Scaechlamys lemniscata</i>	1			1	v			1
796	Mollusca	<i>Scalptia scalariformis</i>		2		2		v	v	2

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
797	Mollusca	<i>Scapharca subcrenata</i>	1	1		2	v		v	2
798	Mollusca	<i>Scintilla violescens</i>		3		3		v	v	2
799	Mollusca	<i>Seila japonica</i>		1		1		v		1
800	Mollusca	<i>Semelangulus tenuiliratus</i>	1			1	v			1
801	Mollusca	<i>Semelangulus tokubeii</i>	1			1	v			1
802	Mollusca	<i>Sepiola</i> sp.		1		1		v		1
803	Mollusca	<i>Septifer bilocularis</i>			1	1				0
804	Mollusca	<i>Septifer keenae</i>		1		1		v		1
805	Mollusca	<i>Septifer virgatus</i>		1	1	2	v			1
806	Mollusca	<i>Siliqua pulchella</i>	1			1	v			1
807	Mollusca	<i>Sinonovacula constricta</i>	3	2		5	v			1
808	Mollusca	<i>Siphonalia cassidariaeformis</i>		1		1		v		1
809	Mollusca	<i>Siphonalia modificata</i>	1			1	v			1
810	Mollusca	<i>Siphonaria acmaeoides</i>		1		1		v		1
811	Mollusca	<i>Siphonaria japonica</i>	1	1		2	v			1
812	Mollusca	<i>Siphonaria laciniosa</i>			1	1				0
813	Mollusca	<i>Siphonaria sirius</i>			1	1	v	v		2
814	Mollusca	<i>Siphonaria</i> sp.			1	1				0
815	Mollusca	<i>Solecurtus divaricatus</i>	1			1	v			1
816	Mollusca	<i>Solemya pusilla</i>		1		1		v		1
817	Mollusca	<i>Solen corneus</i>	1			1	v			1
818	Mollusca	<i>Solen grandis</i>	1			1	v			1
819	Mollusca	<i>Solen</i> sp.		1		1		v		1
820	Mollusca	<i>Solen strictus</i>	4			4	v	v		2
821	Mollusca	<i>Sphenia coreanica</i>		1		1		v		1
822	Mollusca	<i>Spondylus americanus</i>		1		1		v		1
823	Mollusca	<i>Spondylus butleri</i>			1	1		v		1
824	Mollusca	<i>Spondylus varius</i>		1	1	2	v			1
825	Mollusca	<i>Stenothyra edogawensis</i>	2			2	v			1
826	Mollusca	<i>Stenothyra glabra</i>	1			1	v			1
827	Mollusca	<i>Stenothyra</i> sp.	2	1		3	v			1
828	Mollusca	<i>Stenotis smithi</i>	1			1	v			1
829	Mollusca	<i>Stomatolina rubra</i>	1	1		2	v			1
830	Mollusca	<i>Striarca symmetrica</i>	1	2		3		v	v	2
831	Mollusca	<i>Strioterebrum japonicum</i>	1			1	v			1
832	Mollusca	<i>Styliferina goniochila</i>			1	1				0
833	Mollusca	<i>Sydaphera iredale</i>	1			1	v			1
834	Mollusca	<i>Tegillarca granosa</i>		2		2	v	v		2
835	Mollusca	<i>Tegula pfeifferi</i>		1	1	2	v	v		2
836	Mollusca	<i>Tenagodus cumingii</i>		1	1	2		v		1
837	Mollusca	<i>Terebra amanda</i>		1		1		v		1
838	Mollusca	<i>Terebra awajiensis</i>		1		1		v		1
839	Mollusca	<i>Thais bronni</i>		1		1		v		1
840	Mollusca	<i>Thais clavigera</i>		1		1		v		1
841	Mollusca	<i>Thais luteostoma</i>		1		1		v		1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
842	Mollusca	<i>Theora fragilis</i>	4	3		7	v	v	v	3
843	Mollusca	<i>Theora lata</i>	5	5		10	v	v	v	3
844	Mollusca	<i>Theora lubrica</i>	1			1		v		1
845	Mollusca	<i>Thracia concinna</i>	1			1	v			1
846	Mollusca	<i>Thyasira tokunagai</i>	1			1		v		1
847	Mollusca	<i>Thylacodes adamsii</i>		1	1	2		v		1
848	Mollusca	<i>Tiberia ebarana</i>		2		2		v	v	2
849	Mollusca	<i>Tiberia pulchella</i>	1			1		v		1
850	Mollusca	<i>Tibersyrnola lepidula</i>	1			1	v			1
851	Mollusca	<i>Tonicella zotini</i>			1	1				0
852	Mollusca	<i>Tricomusculus semigranatus</i>		1		1		v		1
853	Mollusca	<i>Triphora confusa</i>		1		1		v		1
854	Mollusca	<i>Triphora multigrata</i>		1		1		v		1
855	Mollusca	<i>Triphora thetis</i>		1		1		v		1
856	Mollusca	<i>Triphora undata</i>		1		1		v		1
857	Mollusca	<i>Tristichotrochus aculeatus</i>		1		1		v		1
858	Mollusca	<i>Tristichotrochus haliarchus</i>		1	1	2	v			1
859	Mollusca	<i>Tristichotrochus simodense</i>			1	1				0
860	Mollusca	<i>Tristichotrochus unicus</i>		2	1	3	v	v		2
861	Mollusca	<i>Tritia</i> sp.	1			1		v	v	2
862	Mollusca	<i>Tritonia festiva</i>			1	1		v		1
863	Mollusca	<i>Trochus sacellum</i>		1		1		v		1
864	Mollusca	<i>Tugali decussata</i>			1	1				0
865	Mollusca	<i>Turbo cornutus</i>		1	1	2		v		1
866	Mollusca	<i>Turbo excellens</i>		1	1	2				0
867	Mollusca	<i>Turbo stenogyrus</i>			1	1		v		1
868	Mollusca	<i>Turritatirus nagasakiensis</i>			1	1		v		1
869	Mollusca	<i>Umbonium costatum</i>	1	2		3	v	v		2
870	Mollusca	<i>Umbonium moniliferum</i>	1			1	v	v		2
871	Mollusca	<i>Umbonium</i> sp.			1	1				0
872	Mollusca	<i>Umbonium thomasi</i>	7			7	v	v		2
873	Mollusca	<i>Uroteuthis chinensis</i>			1	1		v		1
874	Mollusca	<i>Venerupis aspera</i>		3		3	v	v	v	3
875	Mollusca	<i>Venerupis philippinarum</i>	6	2		8	v	v		2
876	Mollusca	<i>Venus cassinaeformis</i>	1			1		v		1
877	Mollusca	<i>Vermetus renisectus</i>		1		1		v		1
878	Mollusca	<i>Vermetus vitreus</i>		1		1		v		1
879	Mollusca	<i>Vexillum inermis</i>		1		1		v		1
880	Mollusca	<i>Vexillum kraussi</i>		2		2		v		1
881	Mollusca	<i>Viriola tricincta</i>		1		1		v		1
882	Mollusca	<i>Vitrinella orbella</i>	1			1	v			1
883	Mollusca	<i>Volutharpa perryi</i>		2		2		v	v	2
884	Mollusca	<i>Volvulella radiola</i>	1			1		v		1
885	Mollusca	<i>Voorwindia</i> sp.	1			1	v			1
886	Mollusca	<i>Xenostrobus atratus</i>	1	1		2	v	v		2

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat					
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total		
887	Mollusca	<i>Yayoiacmea oyamai</i>			1	1			v		1	
888	Mollusca	<i>Yoldia aeolica</i>	1			1				v	1	
889	Mollusca	<i>Yoldia amygdalea</i>			3	3			v	v	2	
890	Mollusca	<i>Yoldia johanni</i>				1	1		v		1	
891	Mollusca	<i>Yoldia notabilis</i>			2		2		v	v	2	
892	Mollusca	<i>Yoldia similis</i>	1			1			v		1	
893	Mollusca	<i>Yoldia</i> sp.			1	1			v		1	
894	Mollusca	<i>Zafra albomarginata</i>			1	1			v		1	
895	Mollusca	<i>Zafra divaricata</i>			1	1			v		1	
896	Mollusca	<i>Zafra mitriformis</i>			1	1			v		1	
897	Mollusca	<i>Zemysina orbella</i>	1			1			v	v	2	
898	Mollusca	<i>Zeuxis castus</i>			1	1			v		1	
899	Annelida	<i>Acoetes jogasimae</i>			1	1			v		1	
900	Annelida	<i>Acrocirrus validus</i>	1	3	1	5			v	v	v	3
901	Annelida	<i>Aglaophamus gippslandicus</i>			2	2			v	v	2	
902	Annelida	<i>Aglaophamus malmgreni</i>				1	1		v		1	
903	Annelida	<i>Aglaophamus sinensis</i>	2	2		4			v	v	v	3
904	Annelida	<i>Aglaophamus</i> sp.	1	1		2			v		1	
905	Annelida	<i>Alitta succinea</i>	3	3		6			v	v	v	3
906	Annelida	<i>Alitta virens</i>	1	1		2			v		1	
907	Annelida	<i>Amaeana occidentalis</i>	3	1		4			v	v	2	
908	Annelida	<i>Amaeana</i> sp.	2	2		4			v		1	
909	Annelida	<i>Amaeana trilobata</i>	1	1		2			v		1	
910	Annelida	<i>Amage auricula</i>	1	2		3			v	v	v	3
911	Annelida	<i>Amage</i> sp.			1	1			v		1	
912	Annelida	<i>Ampharete arctica</i>	10	3	1	14			v	v	v	3
913	Annelida	<i>Ampharete</i> sp.	1			1			v		1	
914	Annelida	<i>Amphicteis gunneri</i>	2	3		5			v	v	v	3
915	Annelida	<i>Amphictene japonica</i>	2			2			v		1	
916	Annelida	<i>Amphinome rostrata</i>	1		1	2			v	v	2	
917	Annelida	<i>Amphinome</i> sp.			1	1	2		v	v	2	
918	Annelida	<i>Amphisamytha japonica</i>	6	2		8			v	v	2	
919	Annelida	<i>Amphisamytha</i> sp.			1	1			v		1	
920	Annelida	<i>Amphitrite cirrata</i>				1	1		v		1	
921	Annelida	<i>Amphitrite edwardsii</i>			2	2			v	v	2	
922	Annelida	<i>Amphitrite oculata</i>			3	1	4		v	v	2	
923	Annelida	<i>Amphitrite</i> sp.			2	1	3		v	v	2	
924	Annelida	<i>Amphitritinae</i> sp.	1			1			v		1	
925	Annelida	<i>Ancistargis matsunagaensis</i>	1	2		3			v	v	v	3
926	Annelida	<i>Anoplispione</i> sp.	1			1			v		1	
927	Annelida	<i>Aonides oxycephala</i>	2	2	1	5			v	v	v	3
928	Annelida	<i>Aphelochaeta monilaris</i>	1	2		3			v	v	2	
929	Annelida	<i>Aphelochaeta</i> sp.	2	2		4			v	v	2	
930	Annelida	<i>Aphrodita aculeata</i>			2	2			v	v	2	
931	Annelida	<i>Aphrodita japonica</i>	1	1		2			v	v	2	

(Continued)

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No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
932	Annelida	<i>Aphrodita</i> sp.			1	1		v		1
933	Annelida	<i>Arabella iricolor</i>			1	1		v		1
934	Annelida	<i>Arabella semimaculata</i>	1			1	v			1
935	Annelida	<i>Arenicola brasiliensis</i>	1			1	v			1
936	Annelida	<i>Arenicolid indet.</i>	1			1	v			1
937	Annelida	<i>Aricidea antennata</i>	1			1	v			1
938	Annelida	<i>Aricidea assimilis</i>	5	1		6	v	v		2
939	Annelida	<i>Aricidea belgicae</i>		2		2		v	v	2
940	Annelida	<i>Aricidea cerrutii</i>	3			3	v	v		2
941	Annelida	<i>Aricidea elongata</i>	2	1		3	v	v		2
942	Annelida	<i>Aricidea hartleyi</i>				0				0
943	Annelida	<i>Aricidea horikoshii</i>	1			1	v			1
944	Annelida	<i>Aricidea pacifica</i>	3	2		5	v	v	v	3
945	Annelida	<i>Aricidea ramosa</i>			1	1		v		1
946	Annelida	<i>Aricidea simplex</i>		1		1		v		1
947	Annelida	<i>Aricidea</i> sp.	7		1	8	v	v		2
948	Annelida	<i>Aricidea wassi</i>	1			1		v		1
949	Annelida	<i>Armandia lanceolata</i>	3	3	1	7	v	v	v	3
950	Annelida	<i>Artacama proboscidea</i>				0		v		1
951	Annelida	<i>Asychis biceps</i>				0		v		1
952	Annelida	<i>Asychis pigmentata</i>				0		v		1
953	Annelida	<i>Asychis</i> sp.		2		2		v	v	2
954	Annelida	<i>Axiothella quadrimaculata</i>			1	1		v		1
955	Annelida	<i>Axiothella rubrocincta</i>	1			1		v		1
956	Annelida	<i>Axiothella</i> sp.	1			1		v		1
957	Annelida	<i>Boccardia proboscidea</i>		3		3	v	v	v	3
958	Annelida	<i>Boccardia</i> sp.	1			1		v		1
959	Annelida	<i>Boccardiella hamata</i>		1		1		v		1
960	Annelida	<i>Boccardiella</i> sp.	1			1	v			1
961	Annelida	<i>Brada</i> sp.		1		1		v		1
962	Annelida	<i>Bradabyssa villosa</i>	2	3		5	v	v	v	3
963	Annelida	<i>Branchiomma cingulatum</i>			1	1		v		1
964	Annelida	<i>Cabira pilargiformis</i>	1			1	v			1
965	Annelida	<i>Capitella capitata</i>	6	5	1	12	v	v	v	3
966	Annelida	<i>Capitella</i> sp.	1			1		v		1
967	Annelida	<i>Ceratonereis hircinicola</i>		1		1	v			1
968	Annelida	<i>Chaetopterus</i> sp.	1	1		2		v	v	2
969	Annelida	<i>Chaetozone setosa</i>	5	4	5	14	v	v	v	3
970	Annelida	<i>Chaetozone</i> sp.	4	1	2	7	v	v		2
971	Annelida	<i>Chaetozone spinosa</i>	2	2		4		v		1
972	Annelida	<i>Chone infundibuliformis</i>	3	4	3	10	v	v	v	3
973	Annelida	<i>Chone</i> sp.	3	2	1	6		v		1
974	Annelida	<i>Chrysopetalum occidentale</i>			1	1		v		1
975	Annelida	<i>Chrysopetalum</i> sp.		1	1	2		v		1
976	Annelida	<i>Cirratulus cirratus</i>	1	4	1	6	v	v		2

(Continued)

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No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
977	Annelida	<i>Cirratulus gilchristi</i>			1	1				0
978	Annelida	<i>Cirratulus</i> sp.	1	1		2	v	v		2
979	Annelida	<i>Cirriformia tentaculata</i>	5	3	1	9	v	v	v	3
980	Annelida	<i>Cirrophorus branchiatus</i>	2			2		v		1
981	Annelida	<i>Cirrophorus furcatus</i>	4			4	v	v		2
982	Annelida	<i>Cirrophorus miyakoensis</i>		2		2		v	v	2
983	Annelida	<i>Cirrophorus</i> sp.	3	1	1	5	v	v		2
984	Annelida	<i>Cistenides okudai</i>	2	1		3	v	v		2
985	Annelida	<i>Clymenella koellikeri</i>		2		2		v	v	2
986	Annelida	<i>Clymenella koreana</i>		2	1	3		v		1
987	Annelida	<i>Clymenella</i> sp.	3		1	4	v			1
988	Annelida	<i>Clymenopsis cingulata</i>				0		v		1
989	Annelida	<i>Cossura longocirrata</i>			1	1		v		1
990	Annelida	<i>Cossura</i> sp.	2			2	v	v		2
991	Annelida	<i>Daylithos parmatius</i>		1		1	v			1
992	Annelida	<i>Diopatra bilobata</i>	1	2	1	4	v	v		2
993	Annelida	<i>Diopatra sugokai</i>	5	4		9	v	v	v	3
994	Annelida	<i>Diplocirrus capensis</i>	1			1	v			1
995	Annelida	<i>Dipolydora cardalia</i>		1		1		v		1
996	Annelida	<i>Dipolydora socialis</i>	1			1	v			1
997	Annelida	<i>Dispia</i> sp.	1			1	v			1
998	Annelida	<i>Ditrupe arietina</i>			1	1		v		1
999	Annelida	<i>Dodecaceria concharum</i>			1	1		v		1
1000	Annelida	<i>Dorvillea moniloceras</i>				0		v		1
1001	Annelida	<i>Dorvillea rubrovittata</i>		1		1		v		1
1002	Annelida	<i>Dorvillea</i> sp.		2	1	3		v		1
1003	Annelida	<i>Drilonereis filum</i>				0		v		1
1004	Annelida	<i>Drilonereis</i> sp.	2	2		4	v	v		2
1005	Annelida	<i>Echiurus</i> sp.	1			1	v			1
1006	Annelida	<i>Eteone japonensis</i>	1			1		v		1
1007	Annelida	<i>Eteone longa</i>	5	3	1	9	v	v	v	3
1008	Annelida	<i>Eteone</i> sp.	2	2		4	v			1
1009	Annelida	<i>Euchone alicaudata</i>		2	1	3		v	v	2
1010	Annelida	<i>Euchone analis</i>		3	1	4		v		1
1011	Annelida	<i>Euchone</i> sp.	2	2		4	v		v	2
1012	Annelida	<i>Euclymene oerstedii</i>	2	1	1	4		v		1
1013	Annelida	<i>Eulaeospira orientalis</i>			1	1		v		1
1014	Annelida	<i>Eulalia</i> sp.		1		1		v		1
1015	Annelida	<i>Eulalia viridis</i>		2	1	3		v	v	2
1016	Annelida	<i>Eumida sanguinea</i>	1	2		3	v	v		2
1017	Annelida	<i>Eumida</i> sp.	1	2		3	v	v		2
1018	Annelida	<i>Eunice aphroditois</i>		2		2		v		1
1019	Annelida	<i>Eunice indica</i>		1		1		v		1
1020	Annelida	<i>Eunice mucronata</i>			1	1				0
1021	Annelida	<i>Eunice</i> sp.		3	1	4		v	v	2

(Continued)



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No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1022	Annelida	<i>Euphrosine superba</i>			1	1		v		1
1023	Annelida	<i>Euthalenessa digitata</i>		2	1	3		v		1
1024	Annelida	<i>Euzonus dillonensis</i>	1			1	v			1
1025	Annelida	<i>Exogone verugera</i>			1	1		v		1
1026	Annelida	<i>Filograna</i> sp.			1	1		v		1
1027	Annelida	<i>Galathowenia oculata</i>	1			1		v		1
1028	Annelida	<i>Gattyana pohaiensis</i>	1			1	v			1
1029	Annelida	<i>Gattyana</i> sp.	1	1		2		v		1
1030	Annelida	<i>Glycera alba</i>	1	2		3	v	v	v	3
1031	Annelida	<i>Glycera capitata</i>	3	1		4	v	v		2
1032	Annelida	<i>Glycera chirori</i>	12	5	3	20	v	v	v	3
1033	Annelida	<i>Glycera decipiens</i>	2	5		7	v	v	v	3
1034	Annelida	<i>Glycera dentribranchia</i>				0		v		1
1035	Annelida	<i>Glycera nicobarica</i>	13	1	1	15	v	v	v	3
1036	Annelida	<i>Glycera onomichiensis</i>	4	1		5	v	v		2
1037	Annelida	<i>Glycera</i> sp.	3	3	1	7	v	v	v	3
1038	Annelida	<i>Glycera subaenea</i>	5			5	v	v		2
1039	Annelida	<i>Glycera tenuis</i>	1			1	v			1
1040	Annelida	<i>Glycera tessellata</i>	1			1	v			1
1041	Annelida	<i>Glycera tridactyla</i>				0		v		1
1042	Annelida	<i>Glycera unicornis</i>	2	1		3	v	v		2
1043	Annelida	<i>Glycinde gurjanovae</i>	8			8	v	v	v	3
1044	Annelida	<i>Glycinde</i> sp.	7	3	1	11	v	v	v	3
1045	Annelida	<i>Goniada japonica</i>	3	4	3	10	v	v	v	3
1046	Annelida	<i>Goniada maculata</i>	2	1		3		v	v	2
1047	Annelida	<i>Goniada</i> sp.	1		1	2	v	v		2
1048	Annelida	<i>Halosydna brevisetosa</i>	2	4	1	7	v	v	v	3
1049	Annelida	<i>Halosydropsis pilosa</i>	1	1		2	v	v		2
1050	Annelida	<i>Haploscoloplos</i> sp.	1			1		v		1
1051	Annelida	<i>Haplosyllis spongiphila</i>			1	1		v		1
1052	Annelida	<i>Harmothoe forcipata</i>	1			1	v			1
1053	Annelida	<i>Harmothoe imbricata</i>	1	3		4	v	v	v	3
1054	Annelida	<i>Harmothoe</i> sp.	2	2		4		v	v	2
1055	Annelida	<i>Hediste diversicolor</i>	1			1	v			1
1056	Annelida	<i>Hediste japonica</i>	5	1		6	v	v	v	3
1057	Annelida	<i>Hemipodia yenourensis</i>	5	1	1	7	v	v		2
1058	Annelida	<i>Herminia acantholepis</i>		1		1	v			1
1059	Annelida	<i>Hesione reticulata</i>			1	1		v		1
1060	Annelida	<i>Hesione</i> sp.	2			2	v	v		2
1061	Annelida	<i>Hesperonoe</i> sp.	1	1		2	v			1
1062	Annelida	<i>Heteromastus filiformis</i>	13	6		19	v	v	v	3
1063	Annelida	<i>Heteromastus</i> sp.	10	2		12	v	v		2
1064	Annelida	<i>Heterospio longissima</i>		1		1		v		1
1065	Annelida	<i>Heterospio sinica</i>				0		v		1
1066	Annelida	<i>Heterospio</i> sp.		2		2		v		1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1067	Annelida	<i>Hyboscolex pacificus</i>	1		1	2	v	v		2
1068	Annelida	<i>Hydroides ezoensis</i>	1	2		3	v	v		2
1069	Annelida	<i>Hydroides</i> sp.		1		1		v		1
1070	Annelida	<i>Hydroides uncinatus</i>	1			1	v			1
1071	Annelida	<i>Idanthyrsus macropaleus</i>	1			1	v			1
1072	Annelida	<i>Imajimaea tsugara</i>			1	1		v		1
1073	Annelida	<i>Inermonephthys inermis</i>	1	1		2		v	v	2
1074	Annelida	<i>Iphione muricata</i>			1	1		v		1
1075	Annelida	<i>Isolda pulchella</i>	1	2		3	v	v	v	3
1076	Annelida	<i>Kirkegaardia tessellata</i>		2		2		v	v	2
1077	Annelida	<i>Kuwaita heteropoda</i>	4	3		7	v	v		2
1078	Annelida	<i>Labioleanira yhleni</i>	1	2		3	v	v		2
1079	Annelida	<i>Lacydonia</i> sp.	1			1		v		1
1080	Annelida	<i>Lagis bocki</i>	4	4	1	9	v	v	v	3
1081	Annelida	<i>Laonice cirrata</i>	2	4	1	7	v	v	v	3
1082	Annelida	<i>Laonome</i> sp.	1			1		v		1
1083	Annelida	<i>Laonome tridentata</i>	1			1	v	v		2
1084	Annelida	<i>Leiochrus</i> sp.		1		1		v		1
1085	Annelida	<i>Leitoscoloplos pugettensis</i>	4	2	2	8	v	v	v	3
1086	Annelida	<i>Leodice antennata</i>		3	1	4		v		1
1087	Annelida	<i>Leonnates nipponicus</i>	2			2	v			1
1088	Annelida	<i>Leonnates persica</i>	3			3	v	v		2
1089	Annelida	<i>Leonnates</i> sp.	1			1	v			1
1090	Annelida	<i>Lepidasthenia izukai</i>	1	1		2	v	v		2
1091	Annelida	<i>Lepidasthenia</i> sp.	1	1		2	v	v		2
1092	Annelida	<i>Lepidonotus dentatus</i>	1			1	v			1
1093	Annelida	<i>Lepidonotus elongatus</i>		1		1	v			1
1094	Annelida	<i>Lepidonotus helotypus</i>		2		2	v	v		2
1095	Annelida	<i>Lepidonotus</i> sp.	2	3		5	v	v	v	3
1096	Annelida	<i>Lepidonotus squamatus</i>		1	1	2	v	v		2
1097	Annelida	<i>Lepidonotus tenuisetosus</i>		1		1	v			1
1098	Annelida	<i>Levinsenia gracilis</i>	1			1	v			1
1099	Annelida	<i>Loimia medusa</i>	3	4	1	8	v	v		2
1100	Annelida	<i>Loimia</i> sp.	1	1		2	v	v		2
1101	Annelida	<i>Lumbriclymene japonica</i>				0		v		1
1102	Annelida	<i>Lumbriconereis</i> sp.			1	1		v		1
1103	Annelida	<i>Lumbrinerides dayi</i>			1	1		v		1
1104	Annelida	<i>Lumbrineris bifurcata</i>			1	1		v		1
1105	Annelida	<i>Lumbrineris cruzensis</i>	6			6	v	v		2
1106	Annelida	<i>Lumbrineris japonica</i>	6	4	1	11	v	v	v	3
1107	Annelida	<i>Lumbrineris latreilli</i>	2	1		3	v	v		2
1108	Annelida	<i>Lumbrineris longifolia</i>	13	7	3	23	v	v	v	3
1109	Annelida	<i>Lumbrineris nipponica</i>	7	1	2	10	v	v		2
1110	Annelida	<i>Lumbrineris</i> sp.	2	3	1	6	v	v	v	3
1111	Annelida	<i>Lygdamis giardi</i>	3	2		5	v	v	v	3

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
1112	Annelida	<i>Lysidice collaris</i>		1	1	2		v		1
1113	Annelida	<i>Magelona californica</i>				0		v		1
1114	Annelida	<i>Magelona japonica</i>	8	7	2	17	v	v	v	3
1115	Annelida	<i>Magelona johnstoni</i>			1	1		v		1
1116	Annelida	<i>Magelona</i> sp.	3	2	1	6	v	v		2
1117	Annelida	<i>Maldane cristata</i>		2	3	5		v		1
1118	Annelida	<i>Maldane sarsi</i>			1	1		v		1
1119	Annelida	<i>Marphysa sanguinea</i>	3	3	1	7	v	v		2
1120	Annelida	<i>Marphysa</i> sp.	1	1		2	v	v		2
1121	Annelida	<i>Mediomastus californiensis</i>	7	2		9	v	v		2
1122	Annelida	<i>Mediomastus</i> sp.	7	2		9	v	v	v	3
1123	Annelida	<i>Melinna cristata</i>		2	2	4		v		1
1124	Annelida	<i>Melinna elisabethae</i>		2	1	3		v	v	2
1125	Annelida	<i>Mesochaetopterus japonicus</i>				0		v		1
1126	Annelida	<i>Mesochaetopterus minutus</i>	1	1		2	v	v		2
1127	Annelida	<i>Mesochaetopterus</i> sp.	1	2	1	4	v	v		2
1128	Annelida	<i>Microclymene propecaudata</i>				0		v		1
1129	Annelida	<i>Micronephthys oligobranchia</i>	4	4		8	v	v	v	3
1130	Annelida	<i>Micronephthys</i> sp.	1			1	v			1
1131	Annelida	<i>Micronephthys sphaerocirrata</i>	1			1	v	v		2
1132	Annelida	<i>Microphthalmus japonicus</i>		2		2	v			1
1133	Annelida	<i>Micropodarke dubia</i>	1	2		3	v	v	v	3
1134	Annelida	<i>Micropodarke</i> sp.	2	2	1	5	v	v	v	3
1135	Annelida	<i>Minuspia japonica</i>	4	1		5	v	v	v	3
1136	Annelida	<i>Myriochele</i> sp.	1		1	2		v		1
1137	Annelida	<i>Mysta ornata</i>	1			1	v			1
1138	Annelida	<i>Mysta tchangsii</i>	1			1	v			1
1139	Annelida	<i>Myxicola aesthetica</i>			1	1		v		1
1140	Annelida	<i>Myxicola infundibulum</i>		1	1	2		v		1
1141	Annelida	<i>Myxicola</i> sp.		1		1		v		1
1142	Annelida	<i>Naineris laevigata</i>	1		1	2	v	v		2
1143	Annelida	<i>Neanthes acuminata</i>	1	1	1	3	v	v		2
1144	Annelida	<i>Neanthes pachychaeta</i>	1			1	v			1
1145	Annelida	<i>Neanthes</i> sp.	1			1	v			1
1146	Annelida	<i>Nectoneanthes japonica</i>	1			1		v		1
1147	Annelida	<i>Nectoneanthes oxypoda</i>	4	2		6	v	v	v	3
1148	Annelida	<i>Nectoneanthes</i> sp.	1			1	v			1
1149	Annelida	<i>Nectoneanthes uchiwa</i>	4			4	v	v	v	3
1150	Annelida	<i>Neodexiospira foraminosa</i>			1	1		v		1
1151	Annelida	<i>Nephtys brachycephala</i>	1			1		v		1
1152	Annelida	<i>Nephtys caeca</i>	5	1	2	8	v	v		2
1153	Annelida	<i>Nephtys californiensis</i>	6			6	v	v		2
1154	Annelida	<i>Nephtys chemulpoensis</i>	1			1	v			1
1155	Annelida	<i>Nephtys ciliata</i>	2	1	1	4	v	v		2
1156	Annelida	<i>Nephtys longosetosa</i>	1			1	v	v		2

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1157	Annelida	<i>Nephtys neopolybranchia</i>	3			3	v	v		2
1158	Annelida	<i>Nephtys oligobranchia</i>	2	2		4	v		v	2
1159	Annelida	<i>Nephtys polybranchia</i>	8	4	2	14	v	v	v	3
1160	Annelida	<i>Nephtys schmitti</i>	1			1		v		1
1161	Annelida	<i>Nephtys</i> sp.	3	2		5	v	v	v	3
1162	Annelida	<i>Nereiphylla castanea</i>	1	2		3	v	v	v	3
1163	Annelida	<i>Nereiphylla</i> sp.		1		1		v		1
1164	Annelida	<i>Nereis heterocirrata</i>	1			1	v			1
1165	Annelida	<i>Nereis longior</i>	1	2		3	v	v		2
1166	Annelida	<i>Nereis multignatha</i>	1	2	1	4	v	v		2
1167	Annelida	<i>Nereis neoneanthes</i>		1	1	2		v		1
1168	Annelida	<i>Nereis paxtonae</i>		1		1			v	1
1169	Annelida	<i>Nereis pelagica</i>	1	1	1	3	v	v		2
1170	Annelida	<i>Nereis</i> sp.	1	3		4	v	v	v	3
1171	Annelida	<i>Nereis surugaense</i>	1	2	1	4		v		1
1172	Annelida	<i>Nereis zonata</i>			1	1		v		1
1173	Annelida	<i>Nicolea gracilibranchis</i>				0		v		1
1174	Annelida	<i>Nicomache japonica</i>		2		2		v		1
1175	Annelida	<i>Nicomache lumbricalis</i>				0		v		1
1176	Annelida	<i>Nicomache minor</i>		2		2		v		1
1177	Annelida	<i>Ninoe palmata</i>		1		1		v		1
1178	Annelida	<i>Nothria geophiliformis</i>				0		v		1
1179	Annelida	<i>Nothria shirikishinaiensis</i>				0		v		1
1180	Annelida	<i>Nothria</i> sp.		1		1		v		1
1181	Annelida	<i>Notomastus latericeus</i>	5	4		9	v	v	v	3
1182	Annelida	<i>Notomastus</i> sp.	5	3		8	v	v		2
1183	Annelida	<i>Notoproctus oculatus</i>			1	1		v		1
1184	Annelida	<i>Octobranchus japonicus</i>		2		2		v	v	2
1185	Annelida	<i>Odontosyllis undecimdonta</i>			1	1		v		1
1186	Annelida	<i>Onuphis eremita</i>	1			1	v			1
1187	Annelida	<i>Onuphis holobranchiata</i>	1			1	v			1
1188	Annelida	<i>Onuphis iridescens</i>	1			1		v		1
1189	Annelida	<i>Onuphis longisetosa</i>	1			1	v			1
1190	Annelida	<i>Onuphis shirikishinaiensis</i>	1			1	v			1
1191	Annelida	<i>Onuphis</i> sp.	1	2		3	v	v		2
1192	Annelida	<i>Ophelia limacina</i>	2			2	v	v		2
1193	Annelida	<i>Ophelina acuminata</i>	1	3	2	6	v	v		2
1194	Annelida	<i>Ophelina aulogaster</i>				0		v		1
1195	Annelida	<i>Ophioglycera</i> sp.	1			1		v		1
1196	Annelida	<i>Owenia fusiformis</i>	5	1		6	v	v		2
1197	Annelida	<i>Oxydromus pugettensis</i>	1			1	v	v		2
1198	Annelida	<i>Oxydromus</i> sp.		1		1		v		1
1199	Annelida	<i>Palola siciliensis</i>			1	1		v		1
1200	Annelida	<i>Palola</i> sp.		1		1		v		1
1201	Annelida	<i>Paradoneis armata</i>	2			2		v		1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1202	Annelida	<i>Paradoneis nipponica</i>		2		2		v	v	2
1203	Annelida	<i>Paralacydonia paradoxa</i>	3	2		5	v	v	v	3
1204	Annelida	<i>Paraleonnates</i> sp.		1		1		v		1
1205	Annelida	<i>Paraleonnates uschakovi</i>	4	1		5	v		v	2
1206	Annelida	<i>Paraonis gracilis</i>	3			3	v	v		2
1207	Annelida	<i>Paraprionospio coora</i>	6	2		8		v	v	2
1208	Annelida	<i>Paraprionospio cordifolia</i>	1	1		2			v	1
1209	Annelida	<i>Paraprionospio patiens</i>		2		2		v		1
1210	Annelida	<i>Paraprionospio pinnata</i>	5	6	1	12		v	v	2
1211	Annelida	<i>Paraprionospio</i> sp.		2	1	3		v		1
1212	Annelida	<i>Perinereis aibuhitensis</i>	6	2		8	v			1
1213	Annelida	<i>Perinereis euini</i>		1		1	v			1
1214	Annelida	<i>Perinereis floridana</i>	1		1	2	v	v		2
1215	Annelida	<i>Perinereis linea</i>	4			4	v			1
1216	Annelida	<i>Perinereis nuntia1</i>	1	1		2	v			1
1217	Annelida	<i>Perinereis nuntia2</i>	1			1	v			1
1218	Annelida	<i>Perinereis vancaurica</i>	1	1		2	v			1
1219	Annelida	<i>Perolepis</i> sp.	1	2		3	v	v		2
1220	Annelida	<i>Petaloproctus macrodentatus</i>				0		v		1
1221	Annelida	<i>Pherusa plumosa</i>		3		3		v	v	2
1222	Annelida	<i>Pherusa</i> sp.		1		1		v		1
1223	Annelida	<i>Phyllocomus sovjeticus</i>				0		v		1
1224	Annelida	<i>Phyllodoce chinensis</i>	1	1		2	v	v		2
1225	Annelida	<i>Phyllodoce koreana</i>	5	3		8	v	v	v	3
1226	Annelida	<i>Phyllodoce maculata</i>	1	3	1	5	v	v		2
1227	Annelida	<i>Phyllodoce papillosa</i>				0		v		1
1228	Annelida	<i>Phyllodoce</i> sp.	2	2	1	5	v	v	v	3
1229	Annelida	<i>Phylo felix</i>	1	2		3		v	v	2
1230	Annelida	<i>Phylo fimbriata</i>		2		2		v		1
1231	Annelida	<i>Phylo</i> sp.	1	1		2	v	v		2
1232	Annelida	<i>Pilargis berkeleyae</i>	1			1	v			1
1233	Annelida	<i>Pilargis matsunagaensis</i>	1	1		2	v		v	2
1234	Annelida	<i>Pilargis</i> sp.	1	1		2	v	v		2
1235	Annelida	<i>Pista cristata</i>	3	3	1	7		v	v	2
1236	Annelida	<i>Pista</i> sp.	1	1		2		v		1
1237	Annelida	<i>Platynereis bicanaliculata</i>	1	2	1	4	v			1
1238	Annelida	<i>Platynereis dumerilii</i>			1	1		v		1
1239	Annelida	<i>Podarkeopsis</i> sp.	1			1	v			1
1240	Annelida	<i>Podolepis stylolepis</i>		1		1		v		1
1241	Annelida	<i>Poecilochaetus johnsoni</i>	2	2		4	v	v	v	3
1242	Annelida	<i>Poecilochaetus</i> sp.	1	1		2	v	v		2
1243	Annelida	<i>Poecilochaetus trilobatus</i>	1			1	v			1
1244	Annelida	<i>Polycirrus nervosus</i>		2		2		v	v	2
1245	Annelida	<i>Polydora carunculata</i>		1		1		v		1
1246	Annelida	<i>Polydora ciliata</i>		1		1		v		1

(Continued)

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No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1247	Annelida	<i>Polydora cornuta</i>	2	3		5	v	v	v	3
1248	Annelida	<i>Polydora</i> sp.	3	4		7	v	v		2
1249	Annelida	<i>Polynoella</i> sp.	1			1	v			1
1250	Annelida	<i>Polyophthalmus pictus</i>		1	1	2	v			1
1251	Annelida	<i>Praxillella affinis</i>	7	4	2	13	v	v	v	3
1252	Annelida	<i>Praxillella gracilis</i>		1	1	2		v		1
1253	Annelida	<i>Praxillella praetermissa</i>		1		1		v		1
1254	Annelida	<i>Praxillella</i> sp.		2		2		v	v	2
1255	Annelida	<i>Prionospio aucklandica</i>	2		1	3		v		1
1256	Annelida	<i>Prionospio bocki</i>		2		2		v	v	2
1257	Annelida	<i>Prionospio cirrifer</i>	5	4		9	v	v		2
1258	Annelida	<i>Prionospio ehlersi</i>		3		3		v	v	2
1259	Annelida	<i>Prionospio elongata</i>		1		1		v		1
1260	Annelida	<i>Prionospio japonica</i>	7	1	1	9	v	v	v	3
1261	Annelida	<i>Prionospio krusadensis</i>		1		1	v		v	2
1262	Annelida	<i>Prionospio membranacea</i>	2	1	1	4	v	v	v	3
1263	Annelida	<i>Prionospio multibranchiata</i>	1			1	v			1
1264	Annelida	<i>Prionospio paradisea</i>	5	2		7	v	v	v	3
1265	Annelida	<i>Prionospio pulchra</i>	1			1	v			1
1266	Annelida	<i>Prionospio</i> sp.	3	3	2	8		v	v	2
1267	Annelida	<i>Prionospio steenstrupi</i>	2	1		3		v	v	2
1268	Annelida	<i>Protocirrinieris chrysotherma</i>		1		1		v		1
1269	Annelida	<i>Protodiopatra willemoesii</i>	1			1	v			1
1270	Annelida	<i>Protodorvillea</i> sp.		1		1		v		1
1271	Annelida	<i>Protula tubularia</i>			1	1		v		1
1272	Annelida	<i>Pseudopolydora antennata</i>		3		3		v	v	2
1273	Annelida	<i>Pseudopolydora kemp</i>	5	2		7	v	v	v	3
1274	Annelida	<i>Pseudopolydora paucibranchiata</i>	2	2		4	v			1
1275	Annelida	<i>Pseudopolydora</i> sp.	1	3		4	v	v		2
1276	Annelida	<i>Pseudopotamilla myriops</i>	1			1	v			1
1277	Annelida	<i>Pseudopotamilla ocellata</i>	1	3		4	v	v		2
1278	Annelida	<i>Pygospio</i> sp.	1			1	v			1
1279	Annelida	<i>Rhodine loveni</i>				0		v		1
1280	Annelida	<i>Rhodine</i> sp.			1	1		v		1
1281	Annelida	<i>Rhynchospio glutaea</i>			1	1		v		1
1282	Annelida	<i>Rhynchospio</i> sp.			1	1		v		1
1283	Annelida	<i>Sabella</i> sp.		1		1		v		1
1284	Annelida	<i>Sabellaria ishikawai</i>	1			1		v		1
1285	Annelida	<i>Sabellastarte</i> sp.			1	1		v		1
1286	Annelida	<i>Sabellastarte zebuensis</i>	1			1		v		1
1287	Annelida	<i>Salmacina dysteri</i>			1	1		v		1
1288	Annelida	<i>Salvatoria clavata</i>			1	1		v		1
1289	Annelida	<i>Scalibregma inflatum</i>			1	1		v		1
1290	Annelida	<i>Scalibregma</i> sp.		1		1		v		1

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total	
1291	Annelida	<i>Schistomeringos matsushimaensis</i>	1	1		2		v		1	
1292	Annelida	<i>Scolecipis (Scolecipis) sp.</i>	1			1		v		1	
1293	Annelida	<i>Scolecipis foliosa</i>	1			1			v	1	
1294	Annelida	<i>Scolecipis kudenovi</i>	2			2		v		1	
1295	Annelida	<i>Scolecipis papilosa</i>				0			v	1	
1296	Annelida	<i>Scolecipis planata</i>	1			1		v		1	
1297	Annelida	<i>Scolecipis sagittaria</i>	2			2		v		1	
1298	Annelida	<i>Scolecipis sp.</i>	4	2	1	7		v	v	2	
1299	Annelida	<i>Scolecipis variegata</i>	1			1		v		1	
1300	Annelida	<i>Scolecipis yamaguchii</i>	1	1		2		v	v	2	
1301	Annelida	<i>Scoloplos armiger</i>	6	4	3	13		v	v	v	3
1302	Annelida	<i>Scoloplos rubra</i>				0			v	1	
1303	Annelida	<i>Scoloplos rubra pacifica</i>				0			v	1	
1304	Annelida	<i>Serpula vermicularis</i>		2	1	3			v	1	
1305	Annelida	<i>Serpula watsoni</i>			1	1			v	1	
1306	Annelida	<i>Sigalion sp.</i>	1			1		v		1	
1307	Annelida	<i>Sigambra bassi</i>		1		1			v	1	
1308	Annelida	<i>Sigambra hanaokai</i>	1	1		2		v	v	2	
1309	Annelida	<i>Sigambra sp.</i>	2	1		3			v	1	
1310	Annelida	<i>Sigambra tentaculata</i>	8	5	1	14		v	v	v	3
1311	Annelida	<i>Simplisetia erythraeensis</i>	2	2		4		v	v	v	3
1312	Annelida	<i>Spio filicornis</i>	1	3	1	5		v	v	v	3
1313	Annelida	<i>Spio martinensis</i>	2			2		v	v		2
1314	Annelida	<i>Spio sp.</i>	1	2		3		v	v		2
1315	Annelida	<i>Spiochaetopterus costarum</i>	4	1		5		v	v	v	3
1316	Annelida	<i>Spiochaetopterus koreana</i>		1		1			v		1
1317	Annelida	<i>Spiochaetopterus sp.</i>		2		2			v		1
1318	Annelida	<i>Spiophanes bombyx</i>	4	4	4	12		v	v		2
1319	Annelida	<i>Spiophanes kroyeri</i>		2		2			v		1
1320	Annelida	<i>Spiophanes malayensis</i>				0			v		1
1321	Annelida	<i>Spiophanes sp.</i>	1			1		v			1
1322	Annelida	<i>Spirobranchus tetraceros</i>		1	1	2					0
1323	Annelida	<i>Sternaspis chinensis</i>	11	7	1	19		v	v	v	3
1324	Annelida	<i>Sternaspis costata</i>	2			2			v		1
1325	Annelida	<i>Sthenelais fusca</i>	2	1		3		v	v		2
1326	Annelida	<i>Sthenolepis japonica</i>	1	2		3		v	v		2
1327	Annelida	<i>Syllis amica</i>			1	1			v		1
1328	Annelida	<i>Syllis armillaris</i>				0			v		1
1329	Annelida	<i>Syllis fasciata</i>		2		2			v	v	2
1330	Annelida	<i>Syllis gracilis</i>			1	1			v		1
1331	Annelida	<i>Syllis hyalina</i>	1		1	2		v	v		2
1332	Annelida	<i>Syllis prolifera</i>		2		2			v	v	2
1333	Annelida	<i>Syllis sp.</i>	1	1	1	3		v	v		2
1334	Annelida	<i>Syllis variegata</i>			1	1			v		1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1335	Annelida	<i>Synelmis albini</i>			1	1		v		1
1336	Annelida	<i>Tambalagamia fauveli</i>	2	3		5	v	v	v	3
1337	Annelida	<i>Terebella ehrenbergi</i>		2		2		v	v	2
1338	Annelida	<i>Terebella punctata</i>	1	2		3	v	v	v	3
1339	Annelida	<i>Terebellides horikoshii</i>	3	3	1	7		v	v	2
1340	Annelida	<i>Terebellides japonica</i>		1		1		v		1
1341	Annelida	<i>Terebellides</i> sp.	1	1		2		v		1
1342	Annelida	<i>Terebellides stroemii</i>	1	3		4		v	v	2
1343	Annelida	<i>Tharyx</i> sp.	11	6	2	19	v	v	v	3
1344	Annelida	<i>Thelepus cincinnatus</i>				0		v		1
1345	Annelida	<i>Thelepus japonicus</i>			1	1		v		1
1346	Annelida	<i>Thelepus setosus</i>		1		1		v		1
1347	Annelida	<i>Thelepus</i> sp.		2		2		v		1
1348	Annelida	<i>Thelepus toyamaensis</i>	1			1	v			1
1349	Annelida	<i>Thoracophelia dillonensis</i>	1			1	v			1
1350	Annelida	<i>Thoracophelia ezoensis</i>			1	1		v		1
1351	Annelida	<i>Thoracophelia mucronata</i>	1			1	v			1
1352	Annelida	<i>Thoracophelia</i> sp.			1	1		v		1
1353	Annelida	<i>Timarete antarcticus</i>	1			1		v		1
1354	Annelida	<i>Travisia japonica</i>	2	1		3	v	v		2
1355	Annelida	<i>Travisia pupa</i>	1	1		2	v	v		2
1356	Annelida	<i>Travisia</i> sp.	1		1	2		v		1
1357	Annelida	<i>Trichobranchus glacialis</i>	1			1	v			1
1358	Annelida	<i>Trichobranchus</i> sp.		2		2		v		1
1359	Annelida	<i>Trochochaeta</i> sp.		2		2		v		1
1360	Annelida	<i>Trypanosyllis aeolis</i>			1	1		v		1
1361	Annelida	<i>Trypanosyllis taeniaformis</i>			1	1		v		1
1362	Annelida	<i>Trypanosyllis zebra</i>			1	1		v		1
1363	Annelida	<i>Tylorrhynchus heterochaetus</i>	2	1		3	v	v	v	3
1364	Annelida	<i>Tylorrhynchus osawai</i>		1		1	v			1
1365	Annelida	<i>Tylorrhynchus</i> sp.		1		1		v		1
1366	Annelida	<i>Typosyllis adamanteus</i>	1		1	2	v	v		2
1367	Annelida	<i>Urechis uncinatus</i>	1			1	v	v		2
1368	Arthropoda	<i>Abludomelita denticulata</i>	1		1	2		v		1
1369	Arthropoda	<i>Abludomelita</i> sp.	1			1	v			1
1370	Arthropoda	<i>Acanthomysis</i> sp.	1			1	v			1
1371	Arthropoda	<i>Achaeus japonicus</i>		1	1	2		v		1
1372	Arthropoda	<i>Achelia bituberculata</i>			1	1		v		1
1373	Arthropoda	<i>Achelia japonica</i>			1	1		v		1
1374	Arthropoda	<i>Actaea semblatae</i>		1	1	2	v			1
1375	Arthropoda	<i>Actumnus elegans</i>			1	1	v			1
1376	Arthropoda	<i>Allaxius princeps</i>			1	1		v		1
1377	Arthropoda	<i>Allorchestes angusta</i>	1			1	v			1
1378	Arthropoda	<i>Allorchestes</i> sp.			1	1				0
1379	Arthropoda	<i>Alpheus bisincisus</i>	2	1		3	v			1

(Continued)



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No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
1380	Arthropoda	<i>Alpheus brevicristatus</i>	2	5		7	v	v	v	3
1381	Arthropoda	<i>Alpheus japonicus</i>		1		1		v		1
1382	Arthropoda	<i>Alpheus rapax</i>		1		1		v		1
1383	Arthropoda	<i>Alpheus</i> sp.	1	2	1	4	v	v	v	3
1384	Arthropoda	<i>Ammonothea hilgendorfi</i>			1	1		v		1
1385	Arthropoda	<i>Ampelisca bocki</i>	2	2		4	v	v	v	3
1386	Arthropoda	<i>Ampelisca brevicornis</i>	2	2		4	v	v	v	3
1387	Arthropoda	<i>Ampelisca cyclops</i>	2			2	v	v		2
1388	Arthropoda	<i>Ampelisca naikaiensis</i>		2	1	3		v		1
1389	Arthropoda	<i>Ampelisca</i> sp.	5	3	1	9		v	v	2
1390	Arthropoda	<i>Amphibalanus amphitrite</i>	1			1		v		1
1391	Arthropoda	<i>Amphibalanus eburneus</i>	1			1		v		1
1392	Arthropoda	<i>Amphibalanus improvisus</i>	2		1	3	v	v	v	3
1393	Arthropoda	<i>Amphipoda</i> sp.	6	2		8	v	v	v	3
1394	Arthropoda	<i>Ampithoe brevipalma</i>			1	1	v			1
1395	Arthropoda	<i>Ampithoe lacertosa</i>	1		1	2	v			1
1396	Arthropoda	<i>Ampithoe</i> sp.			1	1	v			1
1397	Arthropoda	<i>Ampithoe valida</i>			1	1	v			1
1398	Arthropoda	<i>Anatolikos japonicus</i>		1		1		v		1
1399	Arthropoda	<i>Anomura</i> sp.	2	1		3	v	v		2
1400	Arthropoda	<i>Anonyx simplex</i>			1	1		v		1
1401	Arthropoda	<i>Anoplodactylus</i> sp.	1			1	v			1
1402	Arthropoda	<i>Aora</i> sp.	2	3		5	v	v	v	3
1403	Arthropoda	<i>Aoroides columbiae</i>	1			1	v			1
1404	Arthropoda	<i>Apocorophium acutum</i>	1	1		2	v			1
1405	Arthropoda	<i>Apohyale punctata</i>	1		1	2	v	v		2
1406	Arthropoda	<i>Apseudes nipponicus</i>		1		1		v		1
1407	Arthropoda	<i>Apseudes</i> sp.			1	1				0
1408	Arthropoda	<i>Arcania undecimspinosa</i>		2		2		v	v	2
1409	Arthropoda	<i>Archaeomysis japonica</i>	1			1	v			1
1410	Arthropoda	<i>Archaeomysis vulgaris</i>	1			1	v			1
1411	Arthropoda	<i>Arcotheres atrinae</i>		2		2		v		1
1412	Arthropoda	<i>Arcotheres sinensis</i>	2			2	v			1
1413	Arthropoda	<i>Areopaguristes japonicus</i>			1	1		v		1
1414	Arthropoda	<i>Asthenognathus inaequipipes</i>	2	3		5	v	v	v	3
1415	Arthropoda	<i>Asthenognathus</i> sp.	1			1	v			1
1416	Arthropoda	<i>Atergatis reticulatus</i>		1		1		v		1
1417	Arthropoda	<i>Athanas japonicus</i>	1			1	v			1
1418	Arthropoda	<i>Athanas</i> sp.		1		1		v		1
1419	Arthropoda	<i>Austinogebia wuhsienweni</i>	1			1	v			1
1420	Arthropoda	<i>Balanus reticulatus</i>	3			3		v		1
1421	Arthropoda	<i>Balanus</i> sp.	2	1		3	v	v		2
1422	Arthropoda	<i>Balanus trigonus</i>			1	1		v		1
1423	Arthropoda	<i>Betaeus granulimanus</i>		1		1		v		1
1424	Arthropoda	<i>Birulia kishinouyei</i>		1		1		v		1

(Continued)

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No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1425	Arthropoda	<i>Blepharipoda liberata</i>	1			1	v			1
1426	Arthropoda	<i>Bodotria ovalis</i>		1		1		v		1
1427	Arthropoda	<i>Bodotria parva</i>	1			1	v			1
1428	Arthropoda	<i>Bodotria similis</i>	1			1	v			1
1429	Arthropoda	<i>Bodotria</i> sp.	1			1	v			1
1430	Arthropoda	<i>Boninpagurus pilosipes</i>			1	1		v		1
1431	Arthropoda	<i>Bopyrella</i> sp.	1			1	v			1
1432	Arthropoda	<i>Brachyura</i> sp.	2	3		5	v	v	v	3
1433	Arthropoda	<i>Byblis japonicus</i>	5	2		7	v	v		2
1434	Arthropoda	<i>Callianassa</i> sp.	2	1		3	v			1
1435	Arthropoda	<i>Camptandrium sexdentatum</i>	3	1		4	v	v		2
1436	Arthropoda	<i>Campylaspis reticulata</i>		1		1		v		1
1437	Arthropoda	<i>Cancer amphioetus</i>		1		1		v		1
1438	Arthropoda	<i>Capitulum mitella</i>			1	1	v	v		2
1439	Arthropoda	<i>Caprella acanthogaster</i>			1	1				0
1440	Arthropoda	<i>Caprella brevisrostris</i>			1	1		v		1
1441	Arthropoda	<i>Caprella californica</i>		2		2	v	v		2
1442	Arthropoda	<i>Caprella danilevskii</i>			1	1				0
1443	Arthropoda	<i>Caprella decipiens</i>	1			1	v			1
1444	Arthropoda	<i>Caprella equilibra</i>			1	1		v		1
1445	Arthropoda	<i>Caprella mutica</i>		1		1		v		1
1446	Arthropoda	<i>Caprella penantis</i>	1		1	2	v	v		2
1447	Arthropoda	<i>Caprella scaura</i>	1			1	v			1
1448	Arthropoda	<i>Caprella</i> sp.	3	2	1	6	v	v		2
1449	Arthropoda	<i>Caprella subinermis</i>			1	1				0
1450	Arthropoda	<i>Caprella verrucosa</i>			1	1				0
1451	Arthropoda	<i>Carcinus</i> sp.	1			1	v			1
1452	Arthropoda	<i>Ceradocus capensis</i>		1		1		v		1
1453	Arthropoda	<i>Cerapus tubularis</i>		1		1		v		1
1454	Arthropoda	<i>Charybdis bimaculata</i>		2		2		v		1
1455	Arthropoda	<i>Charybdis japonica</i>	2	3		5	v	v		2
1456	Arthropoda	<i>Charybdis riversandersoni</i>		1		1	v			1
1457	Arthropoda	<i>Charybdis</i> sp.		1		1		v		1
1458	Arthropoda	<i>Chasmagnathus convexus</i>		1		1	v			1
1459	Arthropoda	<i>Chiromantes dehaani</i>	1	2		3	v			1
1460	Arthropoda	<i>Chiromantes haematocheir</i>	2			2	v			1
1461	Arthropoda	<i>Chitonomandibulum</i> sp.		1		1		v		1
1462	Arthropoda	<i>Chthamalus challengerii</i>	1	1	1	3	v	v	v	3
1463	Arthropoda	<i>Chthamalus dalli</i>			1	1		v		1
1464	Arthropoda	<i>Ciliopagurus krempfi</i>			1	1				0
1465	Arthropoda	<i>Ciliopagurus strigatus</i>			1	1				0
1466	Arthropoda	<i>Cirolana harfordi</i>		2	1	3		v		1
1467	Arthropoda	<i>Cirolana japonica</i>			1	1		v		1
1468	Arthropoda	<i>Cirolana</i> sp.	1			1	v			1
1469	Arthropoda	<i>Cleantiella isopus</i>		1	1	2		v		1

(Continued)



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No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
1470	Arthropoda	<i>Cleistostoma dilatatum</i>	3	1		4	v		v	2
1471	Arthropoda	<i>Clibanarius virescens</i>			1	1				0
1472	Arthropoda	<i>Corophium</i> sp.	5	4		9	v	v	v	3
1473	Arthropoda	<i>Crangon affinis</i>	1	2		3	v	v		2
1474	Arthropoda	<i>Crangon hakodatei</i>		1		1			v	1
1475	Arthropoda	<i>Crassikorophium crassicorne</i>	1		1	2	v	v		2
1476	Arthropoda	<i>Cryptodromia tumida</i>			1	1	v			1
1477	Arthropoda	Cumacea sp.	3	3	2	8	v	v	v	3
1478	Arthropoda	<i>Cumella somersi</i>	1			1	v			1
1479	Arthropoda	<i>Cyathura higoensis</i>	1	1		2	v	v		2
1480	Arthropoda	<i>Cyathura muromiensis</i>		1		1	v			1
1481	Arthropoda	<i>Cyathura</i> sp.	1	1		2	v		v	2
1482	Arthropoda	<i>Cyclograpsus intermedius</i>			1	1		v		1
1483	Arthropoda	<i>Cycloxanthops truncatus</i>			1	1		v		1
1484	Arthropoda	<i>Cymodoce japonica</i>		2	1	3		v		1
1485	Arthropoda	<i>Dactylopleustes obsolescens</i>	1			1	v			1
1486	Arthropoda	<i>Dardanus arrosor</i>			1	1				0
1487	Arthropoda	<i>Dardanus aspersus</i>			1	1				0
1488	Arthropoda	<i>Dardanus crassimanus</i>			1	1				0
1489	Arthropoda	<i>Dardanus impressus</i>		1	1	2				0
1490	Arthropoda	<i>Dardanus pedunculatus</i>			1	1				0
1491	Arthropoda	<i>Diastylis nitens</i>	1			1	v			1
1492	Arthropoda	<i>Diastylis paratricinta</i>	3			3	v	v		2
1493	Arthropoda	<i>Diastylis rugosa</i>		2		2		v	v	2
1494	Arthropoda	<i>Diastylis</i> sp.		1		1		v		1
1495	Arthropoda	<i>Diastylis tricincta</i>		1		1		v		1
1496	Arthropoda	<i>Dimorphostylis brevicaudata</i>	2	2		4	v	v		2
1497	Arthropoda	<i>Diogenes edwardsii</i>	3	1		4	v	v		2
1498	Arthropoda	<i>Diogenes nitidimanus</i>		2		2		v		1
1499	Arthropoda	<i>Diogenes penicillatus</i>		1		1		v		1
1500	Arthropoda	<i>Diogenes</i> sp.	2			2	v			1
1501	Arthropoda	<i>Dynoides brevispina</i>			1	1				0
1502	Arthropoda	<i>Dynoides dentisinus</i>			1	1	v			1
1503	Arthropoda	<i>Dynoides hoonsooi</i>	1			1	v			1
1504	Arthropoda	<i>Dynoides</i> sp.	1			1	v			1
1505	Arthropoda	<i>Dynoides spinipodus</i>			1	1				0
1506	Arthropoda	<i>Elasmopus japonicus</i>			1	1	v			1
1507	Arthropoda	<i>Enoplolambrus validus</i>		1		1	v			1
1508	Arthropoda	<i>Entricoplax</i> sp.		2		2		v		1
1509	Arthropoda	<i>Entricoplax vestita</i>		2		2		v	v	2
1510	Arthropoda	<i>Eochelidium lenorostralu</i>		2	1	3		v	v	2
1511	Arthropoda	<i>Eochelidium lenorostralum</i>	1			1	v			1
1512	Arthropoda	<i>Eochelidium miraculum</i>	2			2		v		1
1513	Arthropoda	<i>Eocuma hilgendorfi</i>	1	1		2	v	v		2
1514	Arthropoda	<i>Eogammarus</i> sp.	1			1	v			1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1515	Arthropoda	<i>Eohaustorius longidactylus</i>	2			2	v			1
1516	Arthropoda	<i>Eohaustorius setulosus</i>	1			1	v			1
1517	Arthropoda	<i>Eohaustorius</i> sp.			1	1		v		1
1518	Arthropoda	<i>Eohaustorius spinigerus</i>	1			1	v			1
1519	Arthropoda	<i>Erichthonius pugnax</i>	1	3		4	v	v	v	3
1520	Arthropoda	<i>Erichthonius</i> sp.	3			3	v	v		2
1521	Arthropoda	<i>Eriopisa</i> sp.	1			1		v		1
1522	Arthropoda	<i>Eriopisella sechellensis</i>	5	3		8	v	v	v	3
1523	Arthropoda	<i>Euacasta dofleini</i>			1	1		v		1
1524	Arthropoda	<i>Eucrate crenata</i>		1		1		v		1
1525	Arthropoda	<i>Eudorella hwanghaensis</i>	1			1	v			1
1526	Arthropoda	<i>Eudorella</i> sp.		1		1		v		1
1527	Arthropoda	<i>Excirrolana chiltoni</i>	2			2	v			1
1528	Arthropoda	<i>Excirrolana japonica</i>		1		1	v		v	2
1529	Arthropoda	<i>Fistulobalanus albicostatus</i>	4	1		5	v	v		2
1530	Arthropoda	<i>Fistulobalanus kondakovi</i>	1			1		v		1
1531	Arthropoda	<i>Gaetice depressus</i>		1	1	2		v		1
1532	Arthropoda	<i>Gaillardierella orientalis</i>		2	1	3	v	v		2
1533	Arthropoda	<i>Galathea orientalis</i>		2	1	3		v		1
1534	Arthropoda	<i>Galathea pubescens</i>		1		1		v		1
1535	Arthropoda	<i>Gammaropsis japonica</i>	2	2		4	v	v	v	3
1536	Arthropoda	<i>Gammaropsis</i> sp.	1			1		v		1
1537	Arthropoda	<i>Gammaropsis utinomii</i>	1	3		4		v		1
1538	Arthropoda	<i>Gnathia</i> sp.		1		1		v		1
1539	Arthropoda	<i>Gnorimosphaeroma naktongense</i>	1			1	v			1
1540	Arthropoda	<i>Gnorimosphaeroma noblei</i>	1			1	v			1
1541	Arthropoda	<i>Gnorimosphaeroma</i> sp.	2			2	v			1
1542	Arthropoda	<i>Gonodactylus chiragra</i>			1	1				0
1543	Arthropoda	<i>Grandidierella japonica</i>	3	4		7	v	v	v	3
1544	Arthropoda	<i>Grandifoxus bangpoensis</i>	1			1	v			1
1545	Arthropoda	<i>Grandifoxus cuspid</i>	1			1	v	v		2
1546	Arthropoda	<i>Grandifoxus malipoensis</i>	2			2	v	v		2
1547	Arthropoda	<i>Guerneia terelamina</i>	1			1	v			1
1548	Arthropoda	<i>Harpiniopsis miharaensis</i>		1		1		v		1
1549	Arthropoda	<i>Harpiniopsis</i> sp.	1	1		2	v	v		2
1550	Arthropoda	<i>Haustorioides indivisus</i>	2			2	v			1
1551	Arthropoda	<i>Haustorioides koreanus</i>	2			2	v			1
1552	Arthropoda	<i>Haustorioides</i> sp.	1			1	v			1
1553	Arthropoda	<i>Heikeopsis japonica</i>	2	1		3	v	v		2
1554	Arthropoda	<i>Helicana wuana</i>	3	1		4	v			1
1555	Arthropoda	<i>Helice tientsinensis</i>	1			1	v			1
1556	Arthropoda	<i>Helice tridens</i>		3		3	v			1
1557	Arthropoda	<i>Hemigrapsus penicillatus</i>	6	4	1	11	v	v	v	3
1558	Arthropoda	<i>Hemigrapsus sanguineus</i>	2	2		4	v	v	v	3
1559	Arthropoda	<i>Heptacarpus futuhirostris</i>		1		1		v		1

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
1560	Arthropoda	<i>Heptacarpus rectirostris</i>	1	1	1	3	v			1
1561	Arthropoda	<i>Herpetocypris</i> sp.	1			1	v			1
1562	Arthropoda	<i>Heterocuma sarsi</i>	1			1	v			1
1563	Arthropoda	<i>Heteropilumnus ciliatus</i>		1	1	2	v			1
1564	Arthropoda	<i>Hexapus</i> sp.		1		1		v		1
1565	Arthropoda	<i>Hexechamaesipho pilsbryi</i>			1	1		v		1
1566	Arthropoda	<i>Hippomedon columbianus</i>		2		2		v	v	2
1567	Arthropoda	<i>Holotelson tuberculatus</i>		1	1	2		v		1
1568	Arthropoda	<i>Hyastenus elongatus</i>		1		1		v		1
1569	Arthropoda	<i>Ianiropsis longiantennata</i>			1	1				0
1570	Arthropoda	<i>Idotea metallica</i>			1	1		v		1
1571	Arthropoda	<i>Idotea ochotensis</i>			1	1				0
1572	Arthropoda	<i>Idotea</i> sp.			1	1		v		1
1573	Arthropoda	<i>Idunella chilensis</i>	1	2		3		v		1
1574	Arthropoda	<i>Iiella pelagica</i>	1			1		v		1
1575	Arthropoda	<i>Ilyoplax dentimerosa</i>	4	1		5	v	v		2
1576	Arthropoda	<i>Ilyoplax pingi</i>	6	1		7	v		v	2
1577	Arthropoda	<i>Ilyoplax pusilla</i>			1	1	v		v	2
1578	Arthropoda	<i>Ione cornuta</i>	1			1	v			1
1579	Arthropoda	<i>Iphinoe sagamiensis</i>		1	1	2		v		1
1580	Arthropoda	<i>Iphinoe tenera</i>	1	1		2	v	v		2
1581	Arthropoda	Isopoda sp.	1	1		2		v		1
1582	Arthropoda	<i>Janiralata koreaensis</i>			1	1		v		1
1583	Arthropoda	<i>Jassa falcata</i>	2		2	4	v	v		2
1584	Arthropoda	<i>Jassa slatteryi</i>	1			1	v			1
1585	Arthropoda	<i>Joeropsis lobata</i>			1	1				0
1586	Arthropoda	<i>Laomedea astacina</i>	1			1	v			1
1587	Arthropoda	<i>Latreutes mucronatus</i>	1			1	v			1
1588	Arthropoda	<i>Latreutes planirostris</i>	1	1		2		v		1
1589	Arthropoda	<i>Lebbeus groenlandicus</i>			1	1		v		1
1590	Arthropoda	<i>Lembos</i> sp.	1			1	v			1
1591	Arthropoda	<i>Lepas anatifera</i>			1	1		v		1
1592	Arthropoda	<i>Lepeophtheirus semicosyphi</i>			1	1				0
1593	Arthropoda	<i>Leptochela aculeocaudata</i>	1			1		v		1
1594	Arthropoda	<i>Leptochela gracilis</i>	3	3		6	v	v	v	3
1595	Arthropoda	<i>Leptochela sydniensis</i>	1			1	v			1
1596	Arthropoda	<i>Leptochelia</i> sp.			1	1				0
1597	Arthropoda	<i>Leptodius exaratus</i>		2	1	3	v	v		2
1598	Arthropoda	<i>Leucothoe incisa</i>		1		1		v		1
1599	Arthropoda	<i>Ligia exotica</i>		1	1	2		v		1
1600	Arthropoda	<i>Liljeborgia japonica</i>	1	1		2	v	v		2
1601	Arthropoda	<i>Liocarcinus corrugatus</i>			1	1				0
1602	Arthropoda	<i>Liocarcinus</i> sp.			1	1				0
1603	Arthropoda	<i>lyoplax pusilla</i>		1		1	v			1
1604	Arthropoda	<i>Lypthira heterograna</i>		1		1		v		1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1605	Arthropoda	<i>Macrobrachium</i> sp.		1		1		v		1
1606	Arthropoda	<i>Macrophthalmus abbreviatus</i>	3	2		5	v		v	2
1607	Arthropoda	<i>Macrophthalmus banzai</i>		1		1	v			1
1608	Arthropoda	<i>Macrophthalmus japonicus</i>	9	2		11	v	v	v	3
1609	Arthropoda	<i>Macrura</i> sp.	2			2	v	v		2
1610	Arthropoda	<i>Maera serratipalma</i>	1			1	v			1
1611	Arthropoda	<i>Maera</i> sp.	2	1		3		v		1
1612	Arthropoda	<i>Mandibulophoxus hongae</i>	2			2	v	v		2
1613	Arthropoda	<i>Mandibulophoxus mai</i>	5	1		6	v	v		2
1614	Arthropoda	<i>Mandibulophoxus</i> sp.	2			2	v	v		2
1615	Arthropoda	<i>Megabalanus rosa</i>			1	1		v		1
1616	Arthropoda	<i>Megabalanus volcano</i>			1	1		v		1
1617	Arthropoda	<i>Melita hoshinoi</i>	1			1	v			1
1618	Arthropoda	<i>Melita koreana</i>	1	1		2	v	v		2
1619	Arthropoda	<i>Melita longidactyla</i>	1			1	v			1
1620	Arthropoda	<i>Melita pilopropoda</i>	1			1	v			1
1621	Arthropoda	<i>Melita setiflagella</i>	1			1	v			1
1622	Arthropoda	<i>Melita shimizui</i>	1		1	2	v	v		2
1623	Arthropoda	<i>Melita</i> sp.		1		1		v		1
1624	Arthropoda	<i>Menaethius monoceros</i>		1		1		v		1
1625	Arthropoda	<i>Metabopyrus</i> sp.	1			1	v			1
1626	Arthropoda	<i>Metadromia wilsoni</i>		1	1	2		v		1
1627	Arthropoda	<i>Metapenaeopsis dalei</i>		1		1		v		1
1628	Arthropoda	<i>Micippa thalia</i>		1		1		v		1
1629	Arthropoda	<i>Microdeutopus anomalus</i>	1			1	v			1
1630	Arthropoda	<i>Microjassa</i> sp.	1			1	v			1
1631	Arthropoda	<i>Monocorophium acherusicum</i>	1	1		2	v	v		2
1632	Arthropoda	<i>Monocorophium insidiosum</i>	1			1	v			1
1633	Arthropoda	<i>Monocorophium</i> sp.	1			1	v			1
1634	Arthropoda	<i>Monoculodes koreanus</i>	3			3	v	v		2
1635	Arthropoda	<i>Munida japonica</i>		1		1		v		1
1636	Arthropoda	<i>Mysida</i> sp.	2	1		3	v	v		2
1637	Arthropoda	<i>Natanolana japonensis</i>	3	2		5		v	v	2
1638	Arthropoda	<i>Nebalia bipes</i>		1		1		v		1
1639	Arthropoda	<i>Neocaridina keunbaei</i>	1			1	v			1
1640	Arthropoda	<i>Neohymenicus orientalis</i>	1		1	2	v			1
1641	Arthropoda	<i>Neomysis awatschensis</i>	1			1	v			1
1642	Arthropoda	<i>Neomysis japonica</i>	1			1	v			1
1643	Arthropoda	<i>Neomysis</i> sp.	1			1	v			1
1644	Arthropoda	<i>Neotrypaea japonica</i>	2	2		4	v	v	v	3
1645	Arthropoda	<i>Neotrypaea petalura</i>			1	1				0
1646	Arthropoda	<i>Nihonotrypaea japonica</i>	1			1	v			1
1647	Arthropoda	<i>Nippoleucon hinumensis</i>	2	1		3	v	v		2
1648	Arthropoda	<i>Nippopisella nagatai</i>		2		2		v		1
1649	Arthropoda	<i>Nymphon</i> sp.	1			1	v			1

(Continued)



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No.	Phylum	Scientific name	Korean Sea			Habitat				
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1650	Arthropoda	<i>Octomeris sulcata</i>		1		1		v		1
1651	Arthropoda	<i>Ocypode stimpsoni</i>	2			2	v	v		2
1652	Arthropoda	<i>Oedignathus inermi</i>			1	1	v			1
1653	Arthropoda	<i>Ogyrides orientalis</i>	4	1		5	v	v		2
1654	Arthropoda	<i>Oratosquilla oratoria</i>	1	4		5	v			1
1655	Arthropoda	<i>Orchomene pinguis</i>	1			1		v		1
1656	Arthropoda	<i>Orchomenella obtusa</i>			1	1		v		1
1657	Arthropoda	<i>Orithyia sinica</i>	1			1	v	v		2
1658	Arthropoda	<i>Pachycheles stevensii</i>		1	1	2	v	v		2
1659	Arthropoda	<i>Pachygrapsus crassipes</i>			1	1	v	v		2
1660	Arthropoda	<i>Paguristes acanthomerus</i>			1	1				0
1661	Arthropoda	<i>Paguristes digitalis</i>		2	1	3				0
1662	Arthropoda	<i>Paguristes japonicus</i>		1		1		v		1
1663	Arthropoda	<i>Paguristes kagoshimensis</i>		1		1		v		1
1664	Arthropoda	<i>Paguristes ortmanni</i>		1	1	2		v		1
1665	Arthropoda	<i>Paguristes seminudus</i>			1	1				0
1666	Arthropoda	<i>Pagurus angustus</i>			1	1		v		1
1667	Arthropoda	<i>Pagurus benedicti</i>	1			1	v			1
1668	Arthropoda	<i>Pagurus conformis</i>			1	1				0
1669	Arthropoda	<i>Pagurus constans</i>			1	1		v		1
1670	Arthropoda	<i>Pagurus decimbrachiae</i>		1		1		v		1
1671	Arthropoda	<i>Pagurus exiguus</i>			1	1		v		1
1672	Arthropoda	<i>Pagurus filholi</i>		1		1		v		1
1673	Arthropoda	<i>Pagurus gracilipes</i>	1	1		2	v			1
1674	Arthropoda	<i>Pagurus imaii</i>			1	1		v		1
1675	Arthropoda	<i>Pagurus japonicus</i>		1	1	2		v		1
1676	Arthropoda	<i>Pagurus lanuginosus</i>		1	1	2		v		1
1677	Arthropoda	<i>Pagurus minutus</i>		1		1		v		1
1678	Arthropoda	<i>Pagurus nigrivittatus</i>		1	1	2		v		1
1679	Arthropoda	<i>Pagurus oroximus</i>		1		1		v		1
1680	Arthropoda	<i>Pagurus pectinatus</i>		1	1	2	v			1
1681	Arthropoda	<i>Pagurus pilosipes</i>		1		1		v		1
1682	Arthropoda	<i>Pagurus rubrior</i>		1	1	2		v		1
1683	Arthropoda	<i>Pagurus similis</i>			1	1		v		1
1684	Arthropoda	<i>Pagurus sp.</i>	1		1	2	v			1
1685	Arthropoda	<i>Pagurus spina</i>			1	1		v		1
1686	Arthropoda	<i>Palaemon carinicauda</i>	1	1		2	v	v		2
1687	Arthropoda	<i>Palaemon gravieri</i>	1			1	v			1
1688	Arthropoda	<i>Palaemon macrodactylus</i>	1			1	v			1
1689	Arthropoda	<i>Palaemon serrifer</i>	1			1	v			1
1690	Arthropoda	<i>Palapedia integra</i>			1	1	v			1
1691	Arthropoda	<i>Pandalus sp.</i>			1	1				0
1692	Arthropoda	<i>Paracerceis sp.</i>	1			1	v			1
1693	Arthropoda	<i>Paracleistostoma cristatum</i>		1		1	v		v	2
1694	Arthropoda	<i>Paradexamine barnardi</i>		1		1		v		1

(Continued)

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No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1695	Arthropoda	<i>Paradromia japonica</i>			1	1				0
1696	Arthropoda	<i>Paranthura</i> sp.		1		1	v			1
1697	Arthropoda	<i>Paraphoxus</i> sp.	2			2	v			1
1698	Arthropoda	<i>Parapilumnus</i> sp.		1		1		v		1
1699	Arthropoda	<i>Parasesarma pictum</i>	1			1	v			1
1700	Arthropoda	<i>Parasesarma plicatum</i>	1			1	v			1
1701	Arthropoda	<i>Parasesarma tripectinis</i>		1		1	v			1
1702	Arthropoda	<i>Pareurystheus amakusaensis</i>	1		1	2	v	v		2
1703	Arthropoda	<i>Parhyale</i> sp.	1			1	v			1
1704	Arthropoda	<i>Parhyalella</i> sp.			1	1	v			1
1705	Arthropoda	<i>Penaeus chinensis</i>		1		1		v		1
1706	Arthropoda	<i>Penaeus japonicus</i>	1			1	v			1
1707	Arthropoda	<i>Peramphithoe</i> sp.	1			1	v			1
1708	Arthropoda	<i>Peramphithoe</i> sp.		1		1		v		1
1709	Arthropoda	<i>Perioculodes seohae</i>	2			2	v			1
1710	Arthropoda	<i>Petalomera</i> sp.			1	1				0
1711	Arthropoda	<i>Petrolisthes japonicus</i>		1	1	2		v		1
1712	Arthropoda	<i>Philyra kanekoi</i>		1		1		v		1
1713	Arthropoda	<i>Photis brevipes</i>	1			1	v	v		2
1714	Arthropoda	<i>Photis longicaudata</i>	4	3		7	v	v		2
1715	Arthropoda	<i>Photis reinhardi</i>	1			1	v			1
1716	Arthropoda	<i>Photis</i> sp.	2			2	v	v		2
1717	Arthropoda	<i>Phronima sedentaria</i>		1		1		v		1
1718	Arthropoda	<i>Pilumnopus makianus</i>		1		1	v			1
1719	Arthropoda	<i>Pilumnus minutus</i>	1	1	1	3	v	v		2
1720	Arthropoda	<i>Pinnixa rathbuni</i>		1		1		v		1
1721	Arthropoda	<i>Pinnixa</i> sp.	1			1	v			1
1722	Arthropoda	<i>Pinnotheres parvulus</i>	1			1	v			1
1723	Arthropoda	<i>Pinnotheres</i> sp.	1			1	v			1
1724	Arthropoda	<i>Pisidia serratifrons</i>	2	3		5	v	v		2
1725	Arthropoda	<i>Pisoides bidentatus</i>			1	1				0
1726	Arthropoda	<i>Plagusia dentipes</i>		1		1		v		1
1727	Arthropoda	<i>Platorchestia crassicornis</i>	2		1	3	v	v		2
1728	Arthropoda	<i>Pleonexes koreana</i>	1			1	v			1
1729	Arthropoda	<i>Pleurocrypta</i> sp.	1			1	v			1
1730	Arthropoda	<i>Podocerus inconspicuus</i>			1	1				0
1731	Arthropoda	<i>Podocerus</i> sp.	2	1		3		v		1
1732	Arthropoda	<i>Pomatocheles jeffreysii</i>	1		1	2				0
1733	Arthropoda	<i>Porcellana pulchra</i>		1		1		v		1
1734	Arthropoda	<i>Porcellanopagurus japonicus</i>		1		1		v		1
1735	Arthropoda	<i>Portunus</i> sp.		1		1		v		1
1736	Arthropoda	<i>Portunus trituberculatus</i>	2		1	3	v	v		2
1737	Arthropoda	<i>Priscomilitaris</i> sp.	1			1	v			1
1738	Arthropoda	<i>Protohyale rubra</i>	1		1	2	v			1
1739	Arthropoda	<i>Protohyale schmidtii</i>			1	1				0

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			Total
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	
1740	Arthropoda	<i>Pseudoctomeris sulcata</i>			1	1		v		1
1741	Arthropoda	<i>Pseudoleucon japonicus</i>		1		1		v		1
1742	Arthropoda	<i>Pseudoleucon</i> sp.		1		1		v		1
1743	Arthropoda	<i>Pugettia incisa</i>		1		1		v		1
1744	Arthropoda	<i>Pugettia intermedia</i>		1	1	2	v			1
1745	Arthropoda	<i>Pugettia pellucens</i>		1		1		v		1
1746	Arthropoda	<i>Pugettia quadridens</i>		2		2	v	v		2
1747	Arthropoda	<i>Pugettia</i> sp.		2		2		v	v	2
1748	Arthropoda	<i>Pycnogonida</i> sp.	1			1		v		1
1749	Arthropoda	<i>Pyrhila pisum</i>	4	2		6	v	v	v	3
1750	Arthropoda	<i>Raphidopus ciliatus</i>	2	4		6	v	v	v	3
1751	Arthropoda	<i>Rhynchocinetes uritai</i>			1	1		v		1
1752	Arthropoda	<i>Rhynchoplax messor</i>		1	1	2		v		1
1753	Arthropoda	<i>Salmoneus gracilipes</i>			1	1	v			1
1754	Arthropoda	<i>Scopimera globosa</i>	5	2		7	v	v	v	3
1755	Arthropoda	<i>Scopimera longidactyla</i>	2			2	v			1
1756	Arthropoda	<i>Scylla serrata</i>		1		1	v	v		2
1757	Arthropoda	<i>Scyra compressipes</i>		1		1		v		1
1758	Arthropoda	<i>Sesarmops intermedius</i>		1		1	v			1
1759	Arthropoda	<i>Sestrostoma balssi</i>	1	1		2	v		v	2
1760	Arthropoda	<i>Sinocorophium japonicum</i>	3	1		4	v	v		2
1761	Arthropoda	<i>Sinocorophium lamellatum</i>	1			1	v			1
1762	Arthropoda	<i>Sinocorophium sinensis</i>	7	3		10	v	v	v	3
1763	Arthropoda	<i>Smilium scorpio</i>	1			1		v		1
1764	Arthropoda	<i>Solenocera melantho</i>		1		1		v		1
1765	Arthropoda	<i>Sphaerozius nitidus</i>		1		1	v			1
1766	Arthropoda	<i>Sphaerozius</i> sp.		2		2		v	v	2
1767	Arthropoda	<i>Stegias</i> sp.	1			1	v			1
1768	Arthropoda	<i>Stenothoe valida</i>	1		1	2	v	v		2
1769	Arthropoda	<i>Symmium caudatus</i>		3		3		v	v	2
1770	Arthropoda	<i>Symmium</i> sp.	1			1	v			1
1771	Arthropoda	<i>Synalpheus neomeris</i>		1		1		v		1
1772	Arthropoda	<i>Synalpheus tumidomanus</i>		1	1	2		v		1
1773	Arthropoda	<i>Synchelidium</i> sp.		2		2		v		1
1774	Arthropoda	<i>Synidotea hikigawaensis</i>			1	1		v		1
1775	Arthropoda	<i>Synidotea laevidorsalis</i>		1	1	2		v		1
1776	Arthropoda	<i>Synidotea</i> sp.	1		1	2	v	v		2
1777	Arthropoda	<i>Tanais dulongii</i>			1	1				0
1778	Arthropoda	<i>Tanystylum scrutator</i>			1	1				0
1779	Arthropoda	<i>Tanystylum ulreungum</i>			1	1				0
1780	Arthropoda	<i>Tetraclita japonica</i>			1	1		v		1
1781	Arthropoda	<i>Thalamita sima</i>		1	1	2	v			1
1782	Arthropoda	<i>Trinorchestia longiramus</i>	1			1	v			1
1783	Arthropoda	<i>Trinorchestia trinitatis</i>	1			1	v			1
1784	Arthropoda	<i>Tritodynamia horvathi</i>		1		1			v	1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1785	Arthropoda	<i>Tritodynamia japonica</i>		1		1		v		1
1786	Arthropoda	<i>Tritodynamia rathbunae</i>	2			2	v	v		2
1787	Arthropoda	<i>Tritodynamia rathbuni</i>	2	1		3	v	v		2
1788	Arthropoda	<i>Tritodynamia</i> sp.	1	1		2		v		1
1789	Arthropoda	<i>Tubeuca arcuata</i>	3	2		5	v			1
1790	Arthropoda	<i>Tylos granulatus</i>	1			1	v			1
1791	Arthropoda	<i>Typhlocarcinops canaliculatus</i>	2			2		v		1
1792	Arthropoda	<i>Typhlocarcinus</i> sp.		1		1		v		1
1793	Arthropoda	<i>Typhlocarcinus villosus</i>		1		1		v		1
1794	Arthropoda	<i>Upogebia major</i>	2	2		4	v	v		2
1795	Arthropoda	<i>Upogebia</i> sp.		1		1		v		1
1796	Arthropoda	<i>Urothoe convexa</i>	4		1	5	v	v		2
1797	Arthropoda	<i>Urothoe grimaldii</i>	3		1	4	v	v		2
1798	Arthropoda	<i>Urothoe</i> sp.	5		2	7	v	v		2
1799	Arthropoda	<i>Xenophthalmus pinnotheroides</i>	2	3		5	v	v	v	3
1800	Arthropoda	<i>Zeuxo normani</i>			1	1	v	v		2
1801	Arthropoda	<i>Zoea</i> sp.	1			1	v	v		2
1802	Priapulida	<i>Priapulopsis bicaudatus</i>		1		1		v		1
1803	Hemichordata	<i>Balanoglossus carnosus</i>		2		2		v	v	2
1804	Hemichordata	<i>Balanoglossus</i> sp.	1			1	v			1
1805	Phoronida	<i>Phoronis</i> sp.	1			1	v			1
1806	Brachiopoda	<i>Coptothyris grayi</i>	1	1		2	v	v		2
1807	Brachiopoda	<i>Laqueus rubellus</i>		1		1	v			1
1808	Brachiopoda	<i>Lingula anatina</i>	6	1		7	v		v	2
1809	Brachiopoda	<i>Lingula</i> sp.		1		1		v		1
1810	Brachiopoda	<i>Lingula unguis</i>	1			1	v			1
1811	Chaetognatha	<i>Sagitta</i> sp.	1			1		v		1
1812	Echinodermata	<i>Amphioplus ancistrotus</i>		2		2		v	v	2
1813	Echinodermata	<i>Amphioplus japonicus</i>	2	1		3		v		1
1814	Echinodermata	<i>Amphioplus laevis</i>	1	1		2		v		1
1815	Echinodermata	<i>Amphioplus</i> sp.	1	3		4		v	v	2
1816	Echinodermata	<i>Amphioplus trichoides</i>		3		3		v		1
1817	Echinodermata	<i>Amphipholis sobrina</i>	1	2		3		v	v	2
1818	Echinodermata	<i>Amphipholis</i> sp.	1			1	v			1
1819	Echinodermata	<i>Amphipholis squamata</i>	1			1		v		1
1820	Echinodermata	<i>Amphiur sinicola</i>	2	3		5	v	v		2
1821	Echinodermata	<i>Amphiura koreae</i>		2		2		v	v	2
1822	Echinodermata	<i>Amphiura vadicola</i>	1			1	v			1
1823	Echinodermata	<i>Anneissia japonica</i>		1		1		v		1
1824	Echinodermata	<i>Anthocidaris crassispina</i>		1		1		v		1
1825	Echinodermata	<i>Aphelasterias japonica</i>		1	1	2		v		1
1826	Echinodermata	<i>Apostichopus japonicus</i>		1		1		v		1
1827	Echinodermata	<i>Aquilonastra batheri</i>		1	1	2	v			1
1828	Echinodermata	<i>Aquilonastra minor</i>			1	1		v		1
1829	Echinodermata	<i>Asteria pacifica</i>		1		1		v		1

(Continued)



Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1830	Echinodermata	<i>Asterias amurensis</i>		1	1	2		v		1
1831	Echinodermata	<i>Asteroidea</i> sp.	1	1		2		v		1
1832	Echinodermata	<i>Caudina similis</i>	1			1	v			1
1833	Echinodermata	<i>Certonardoa semiregularis</i>		1	1	2		v		1
1834	Echinodermata	<i>Cetoadoa semiregularis</i>		1		1		v		1
1835	Echinodermata	<i>Coscinasterias acutispina</i>		1	1	2		v		1
1836	Echinodermata	<i>Cryptasterina pacifica</i>			1	1	v			1
1837	Echinodermata	<i>Cucumaria chronhjelmi</i>		1		1		v		1
1838	Echinodermata	<i>Cucumaria</i> sp.	1			1		v		1
1839	Echinodermata	<i>Distolasterias nipon</i>			1	1		v		1
1840	Echinodermata	<i>Echinocardium cordatum</i>	4	1		5	v	v		2
1841	Echinodermata	<i>Echinodermata</i> sp.		1		1		v		1
1842	Echinodermata	<i>Echinometra mathaei</i>			1	1				0
1843	Echinodermata	<i>Heliocidaris crassispina</i>			1	1		v		1
1844	Echinodermata	<i>Hemicentrotus pulcherrimus</i>			1	1		v		1
1845	Echinodermata	<i>Henricia nipponica</i>		2	1	3		v		1
1846	Echinodermata	<i>Henricia pachyderma</i>			1	1		v		1
1847	Echinodermata	<i>Henricia reniessa</i>		1		1		v		1
1848	Echinodermata	<i>Holothuria hilla</i>			1	1		v		1
1849	Echinodermata	<i>Holothuria manacaria</i>		1		1		v		1
1850	Echinodermata	<i>Holothuria pardalis</i>			1	1	v			1
1851	Echinodermata	<i>Leptosynapta inhaerens</i>	1	1		2	v	v		2
1852	Echinodermata	<i>Luidia quinaria</i>		1		1		v		1
1853	Echinodermata	<i>Mesocentrotus nudus</i>			1	1		v		1
1854	Echinodermata	<i>Neoamphicyclus problematica</i>		1		1		v		1
1855	Echinodermata	<i>Ophiactis affinis</i>		1		1		v		1
1856	Echinodermata	<i>Ophiactis brachygenys</i>			1	1		v		1
1857	Echinodermata	<i>Ophiactis modesta</i>	1			1		v		1
1858	Echinodermata	<i>Ophiactis</i> sp.	1			1		v		1
1859	Echinodermata	<i>Ophiarachnella gorgonia</i>		2		2		v		1
1860	Echinodermata	<i>Ophidiaster cribrarius</i>		1		1		v		1
1861	Echinodermata	<i>Ophiomastix mixta</i>		1	1	2		v		1
1862	Echinodermata	<i>Ophionereis dubia</i>			1	1		v		1
1863	Echinodermata	<i>Ophionereis eurybrachioplax</i>			1	1				0
1864	Echinodermata	<i>Ophiopholis mirabilis</i>		4		4		v		1
1865	Echinodermata	<i>Ophioplocus japonicus</i>		1	1	2		v		1
1866	Echinodermata	<i>Ophiothrix exigua</i>		4	1	5	v	v	v	3
1867	Echinodermata	<i>Ophiothrix</i> sp.		1		1		v		1
1868	Echinodermata	<i>Ophiura kinbergi</i>	2	1		3		v	v	2
1869	Echinodermata	<i>Ophiura leptoctenia</i>		2		2		v	v	2
1870	Echinodermata	<i>Ophiura sarsii</i>		2		2		v	v	2
1871	Echinodermata	<i>Ophiura</i> sp.		1	1	2		v		1
1872	Echinodermata	<i>Ophiuroglypha kinbergi</i>	2	2	1	5	v	v	v	3
1873	Echinodermata	<i>Oxycomanthus japonicus</i>	2			2		v		1
1874	Echinodermata	<i>Paracaudina chilensis</i>	2			2	v			1

(Continued)

Table S2. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat			
			Σ W	Σ S	Σ E	Σ Total	intertidal	subtidal	estuary	Total
1875	Echinodermata	<i>Patiria pectinifera</i>		3	1	4	v	v		2
1876	Echinodermata	<i>Pentacta doliolum</i>		1		1		v		1
1877	Echinodermata	<i>Phyllophorus ordinatus</i>		1		1		v		1
1878	Echinodermata	<i>Plazaster borealis</i>			1	1		v		1
1879	Echinodermata	<i>Prionocidaris baculosa</i>		1		1		v		1
1880	Echinodermata	<i>Protankyra bidentata</i>	9	4		13	v	v	v	3
1881	Echinodermata	<i>Pseudocentrotus depressus</i>			1	1		v		1
1882	Echinodermata	<i>Pteraster tessellatus</i>			1	1		v		1
1883	Echinodermata	<i>Schizaster lacunosus</i>		3		3		v	v	2
1884	Echinodermata	<i>Solaster dawsoni</i>			1	1		v		1
1885	Echinodermata	<i>Stegophiura vivipara</i>		2		2		v	v	2
1886	Echinodermata	<i>Stelleroidea</i> sp.		1		1		v		1
1887	Echinodermata	<i>Strongylocentrotus intermedius</i>			1	1		v		1
1888	Echinodermata	<i>Temnopleureus reevesii</i>		1		1		v		1
1889	Echinodermata	<i>Temnopleurus toreumaticus</i>		1	1	2	v	v		2
1890	Echinodermata	<i>Thyone</i> sp.	1			1	v			1
1891	Chordata	<i>Aplidium pliciferum</i>	1	1	1	3	v			1
1892	Chordata	<i>Aplidium</i> sp.			1	1	v			1
1893	Chordata	<i>Botrylloides magnicoecum</i>			1	1	v	v		2
1894	Chordata	<i>Botrylloides violaceus</i>		1		1		v		1
1895	Chordata	<i>Botryllus tuberatus</i>			1	1		v		1
1896	Chordata	<i>Chelyosoma dofeini</i>		1		1		v		1
1897	Chordata	<i>Ciona intestinalis</i>	1	2		3		v		1
1898	Chordata	<i>Clavelina coerulea</i>			1	1		v		1
1899	Chordata	<i>Cnemidocarpa irene</i>			1	1		v		1
1900	Chordata	<i>Didemnum moseleyi</i>		2	1	3	v	v		2
1901	Chordata	<i>Didemnum</i> sp.			1	1	v	v		2
1902	Chordata	<i>Distaplia dubia</i>			1	1	v			1
1903	Chordata	<i>Halocynthia roretzi</i>		1		1		v		1
1904	Chordata	<i>Herdmania monus</i>		1		1		v		1
1905	Chordata	<i>Leptoclinides madara</i>		1		1		v		1
1906	Chordata	<i>Molgula</i> sp.			1	1		v		1
1907	Chordata	<i>Mora</i> sp.			1	1		v		1
1908	Chordata	<i>Paratrypauchen microcephalus</i>		1		1		v		1
1909	Chordata	<i>Perophora japonica</i>			1	1	v			1
1910	Chordata	<i>Pyura vittata</i>		1		1		v		1
1911	Chordata	<i>Styela calva</i>	1	3		4	v	v		2
1912	Chordata	Thaliacea sp.		1		1		v		1
1913	Chordata	<i>Thetys vagina</i>			1	1		v		1
1914	Chordata	<i>Trididemnum savignii</i>			1	1	v	v		2
1915	Chordata	Tunicata sp.	1			1		v		1
Total			829	1103	621	1915	875	1326	244	1823
number of species										



Table S3 List of reviewed articles ($n = 128$) constructing the meta-data of Korean macrozoobenthos; information of study region in each sea (the West Sea, South Sea, and East Sea) and associated habitats including intertidal, subtidal, estuary) is given with article title.

No.	Authors	Year	Korean Sea				Habitat				Total
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total	
1	Paik	1973	v			1			v	1	Some benthic polychaetous annelids from the Yellow Sea
2	Oh & Kim	1976	v			1	v			1	The polychaetous annelid and environment in the intertidal flat, Inchon, Korea
3	Lee et al.	1983	v			1			v	1	Studies on the benthic fauna in Garolim Bay, Korea subtidal soft-bottom community
4	Lee	1987	v			1			v	1	Distributional pattern of polychaetes in the benthic community of the Yellow Sea
5	Frey et al.	1987	v			1	v			1	Zonation of benthos on a macrotidal flat, Inchon, Korea
6	Frey et al.	1987	v			1	v			1	Prevalent Lebensspuren on a modern macrotidal flat, Inchon, Korea
7	Koh & Shin	1988	v			1	v			1	Environmental characteristics and distribution of macrobenthos in a mudflat of the West coast of Korea (Yellow Sea)
8	Frey et al.	1988	v			1	v			1	Physical and biological aspects of shell accumulation on a modern macrotidal flat
9	Shin et al.	1989	v			1	v	v		2	Faunal assemblages of benthic macrofauna in the inter- and subtidal region of the Inner Kyeonggi Bay, West coast of Korea
10	Shin et al.	1992	v			1			v	1	Benthic polychaete community in the Southern area of Kyeonggi Bay, Korea
11	Choi & Koh	1992	v			1			v	1	The distribution and feeding guilds of the polychaete community in the West coast off Kunsan, Korea
12	An & Koh	1992	v			1	v			1	Environments and distribution of benthic animals on the Mangyung-Dongjin tidal flat, West coast of Korea
13	Shin	1993	v			1	v			1	Study on the environment and benthos in the intertidal zone of Haenam peninsula, Korea

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	v	Korean Sea				Habitat				Total	
				Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
14	Choi & Koh	1994	v				1		v			1	Macrobenthos community in Keum-Mankyung-Dongjin estuaries and its adjacent coastal region, Korea
15	Lee & Koh	1994	v				1		v			1	Biogenic sedimentary structures on a Korean mud flat spring-neap variation
16	Lim et al.	1995	v				1		v			1	Macrobenthic community on the soft-bottom around the Youngjong Island, Korea
17	Ahn et al.	1995	v				1		v			1	The influence of industrial effluents on intertidal benthic communities in Panweol, Kyeonggi Bay
18	Rho et al.	1996	v				1		v			1	An ecological study on the macrozoobenthos around Daesan industrial complex
19	Yoo & Hong	1996	v				1			v		1	Community structures of the benthic macrofaunal assemblages in Kyonggi Bay and Han Estuary, Korea
20	Koh	1997	v				1		v			1	Korean megatidal environments and tidal power projects: Korean tidal flats - biology, ecology and land uses by reclamations and other feasibilities
21	Lim et al.	1997	v				1		v			1	Macrozoobenthic community on the mud-tidal flat around Mokpo coastal area, Korea
22	Koh et al.	1997	v				1		v			1	Growth and production of <i>Sinonovacula constricta</i> (Bivalvia) from the Hwaseong tidal flat in the Namyang Bay, Korea
23	Ryu et al.	1997	v				1			v		1	Temporal and spatial changes in the species composition and abundance of benthic polychaetes after the construction of Shihwa Dike (West coast of Korea)
24	Hong et al.	1997	v				1			v		1	How are the spatio-temporal distribution patterns of benthic macrofaunal communities affected by the construction of Shihwa Dike in the west coast of Korea?

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
25	Lee et al.	1997	v			1			v		1	Marine environmental assessment based on the benthic macroinfaunal compositions in the coastal area of Incheon, Korea
26	Lee & Park	1998	v			1			v		1	Community structures of macrobenthos in Chonsu Bay, Korea
27	Lim & Je	1998	v			1		v			1	Macrobenthic communities on the Macro-tidal flats of Taebudo and Tando in the West coast of Korea
28	Lim & Choi	1998	v			1			v		1	Macrobenthic community at the subtidal area around Taebudo in Kyeonggi Bay, Korea
29	Choi et al.	1998	v			1		v			1	Spatial distribution of macrobenthos in the sandflat of Taebudo, Kyonggi Bay, the West coast of Korea
30	Koh & Kang	1998	v			1		v			1	Sample size determination for the estimation of population density of marine benthos on a tidal flat and a subtidal area, Korea
31	Shin & Koh	1998	v			1			v		1	Benthic polychate community in Northern Kyeonggi Bay in December 1995
32	Ahn & Choi	1998	v			1		v			1	Macrobenthic communities impacted by anthropogenic activities in an Intertidal sand flat 2. The occurrence of summer hypoxia and benthic community
33	Lim & Park	1998	v			1				v	1	Community structure of the macrobenthos in the soft bottom of Yongsan River estuary, Korea
34	Koh	1999	v			1		v			1	Sediment fauna, fisheries catches and land earning from Korean tidal flat
35	Hong et al.	1999	v			1		v			1	Macrobenthic communities on the tidal flats around Yongjong and Yongyu Islands, Incheon, Korea
36	Koh et al.	1999	v			1		v			1	Determination of the optimum sampling area for the benthic community study of the Songdo tidal flat and Youngil Bay subtidal sediment

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
37	Lim & Park	1999	v			1				v	1	Community structure of macrobenthos in the subtidal Soft Bottom in semi- enclosed Youngsan River Estuarine Bay, Southwest coast of Korea
38	Hong & Yoon	2000	v			1		v			1	Zonation of the Exposed sandy Beach Macrofauna in Okjukpo, Taechongdo, Korea
39	Park et al.	2000	v			1			v		1	Spatio-temporal distributions of Macrobenthic community on Subtidal area around Mokpo, Korea
40	Park et al.	2000	v			1			v		1	Spatio- and temporal patterns of benthic environment and macrobenthos community on subtidal soft-bottom in Chonsu Bay, Korea
41	Byun & Yun	2001	v			1			v		1	Community structure of macrobenthos during Summer 1996 in the Asan Bay, Korea
42	Hong & Seo	2001	v			1		v			1	The community Ecology of benthic macrofauna on the Cheokjeon tidal flat, Incheon, Korea 1. community structure
43	Lim & Choi	2001	v			1			v		1	Community structure of Subtidal macrobenthos in Hampyung Bay during Autumn in 1997, Southwest coast of Korea
44	Hong & Yoo	2001	v			1		v			1	A revisit on zonal macrobenthic community in Chokchon tidal flat, Incheon, Korea after the survey in 1986
45	Lim & Hong	2002	v			1				v	1	Spatial distribution of macrozoobenthos along the salinity gradient and sedimentary environment in the Watancheon Estuary, Beobseongpo, Southwest coast of Korea
46	Koo & Je	2002	v			1		v			1	A preliminary study on changes in macrobenthic assemblages in the fenced experimental plots for restoring tidal marsh, Hogok-ri tidal flat, west coast of Korea
47	Shin & Lim	2003	v			1		v			1	Macrobenthic communities on the tidal flats in Ando Bay on the West coast of Korea

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
48	Yoo et al.	2003	v			1			v		1	The selection of Appropriate sampler for the Assessment of macrobenthos community in Saemangeum, the West coast of Korea
49	Lee et al.	2003	v			1			v		1	Environmental Assessment of the Shihwa Lake by using the benthic Pollution Index
50	Seo & Hong	2004	v			1		v			1	The community Ecology of Benthic macrofauna on the Cheokjeon tidal flat, Incheon, Korea 2. Spatio-temporal distribution patterns of the major dominant species
51	Shin et al.	2004	v			1		v			1	Spatial distribution of benthic macrofauna on the tidal flat of Garolim Bay, West coast of Korea
52	Yu et al.	2004	v			1			v		1	Effect of environmental variables on changes in macrobenthic communities in the coastal area of Incheon, Korea
53	Lee et al.	2004	v			1		v	v		2	Effect of environmental variables on the Inter- and Subtidal macrobenthic communities in the Iwon Dike area
54	Koo et al.	2005	v			1		v	v		2	Distribution of benthic macrofauna in subtidal area and on sand flat of Sindu-ri coast, Korea
55	Kim et al.	2006	v			1		v			1	Effects of predation on macrobenthic communities in seonjae-do tidal flat
56	Park et al.	2006	v			1			v		1	Distribution patterns of the dominant macrobenthos and the benthic environments on subtidal soft-bottom in Chonsu Bay, Korea
57	Yu et al.	2006	v			1		v			1	The intertidal macrobenthic community along an artificial structure
58	Yu et al.	2006	v			1			v		1	Impacts of sand Mining on the macrobenthic community in Gyeonggi Bay, Korea
59	An et al.	2006	v			1			v		1	Benthic environment and macrofaunal community changes during the dike construction in Saemangeum subtidal area, Korea

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
60	Koh et al.	2007	v			1			v		1	Spatial distribution patterns of common species of macrobenthos in Biin Bay of the Yellow Sea, Korea
61	Hong et al.	2007	v			1		v			1	The Saemangeum reclamation project in South Korea threatens to Extinguish an unique mollusk, ectosymbiotic bivalve species attached to the shell of <i>Lingula anatina</i>
62	Koo et al.	2008	v			1		v			1	Changes in macrobenthic community structure on Gunsan tidal flat after the closing of the Saemangeum 4th Dyke
63	Koo et al.	2008	v			1		v			1	Changes in benthic macrofauna of the Saemangeum tidal flat as result of a drastic tidal reduction
64	Seo et al.	2010	v			1			v		1	Community structure of macrobenthic Invertebrates during spring and autumn around Ui Island, Sinan-gun, Jeollanam-do
65	Lim & Seo	2011	v			1				v	1	Structure change of macrozoobenthic community after 10 years in Youngsan River Estuarine Bay, Southwest coast of Korea
66	Ryu et al.	2011	v			1		v			1	Environmentally associated spatial changes of a macrozoobenthic community in the Saemangeum tidal flat, Korea
67	Ryu et al.	2011	v			1			v		1	The impact of heavy metal pollution gradients in sediments on benthic macrofauna at population and community levels
68	Yu et al.	2011	v			1			v		1	The Influence of environmental variables on macrobenthic communities after Dike Construction in Asan Bay, Korea
69	Yu et al.	2012	v			1			v		1	Influence of environmental variables on the distribution of macrobenthos in the Han River Estuary, Korea

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No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
70	Jung et al.	2013	v			1			v		1	Spatial distribution and community structure of macrobenthos on the sandy Shore of Anmyeondo, Korea
71	Jung et al.	2013	v			1			v		1	Structure changes of macrobenthic community on Rocky Shores after the Hebei Spirit Oil Spill
72	Yu et al.	2013	v			1			v		1	Initial impacts of the Hebei Spirit oil spill on the sandy beach macrobenthic community west coast of Korea
73	Park et al.	2020	v	v		2				v	1	Trophic structures of Two Contrasting Estuarine Ecosystems With and without a Dike on the Temperate coast of Korea as Determined by Stable Isotopes
74	Kim et al.	2020		v		1				v	1	Isotopic variation of macroinvertebrates and Their Sources of Organic Matter Along an Estuarine Gradient
75	Kim et al.	2020	v			1			v		1	Influence of dike-induced morphologic and sedimentologic changes on the benthic ecosystem in the sheltered tidal flats, Saemangeum area, west coast of Korea
76	Seo et al.	2019		v		1				v	1	Summer variations of macrobenthic community structures in Gwangyang Bay, Korea
77	Kang et al.	2019			v	1				v	1	Species composition and community structure of macrobenthos during Fall on the Dokdo coast, Korea
78	Oh et al.	2019	v			1			v		1	Macrobenthos community on the intertidal at Garolim Bay in summer
79	Sato et al.	2019	v			1				v	1	Macrobenthic faunal change after dike construction in Saemangeum Lake, South Korea, with special emphasis on mollusks

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
80	Jeong & Shin	2018	v			1			v		1	Spatio-temporal variation and Evaluation of benthic Healthiness of macrobenthic Polychaetous community on the coast of Ulsan
81	Bae et al.	2018	v	v		2			v		1	Spatiotemporal variations in macrofaunal assemblages linked to site-specific environmental factors in two contrasting nearshore habitats
82	Jung et al.	2018	v			1		v			1	Thermal discharge effects on the species composition and community structure of macrobenthos in rocky intertidal zone around the Taean thermoelectric power plant, Korea
83	Park et al.	2017	v			1		v			1	Comparative trophic structures of macrobenthic food web in two macrotidal wetlands with and without a dike on the temperate coast of Korea as revealed by stable isotopes
84	Seo et al.	2017	v			1			v		1	Seasonal variations in the community structures of macrobenthic Fauna and their Health Status in an Estuarine Bay, Gwangyang Bay in Korea
85	KWon et al.	2017			v	1			v		1	Community structure of macrobenthos around the thermal discharge area of the Uljin nuclear power plant in the East sea, Korea
86	Kim et al.	2017	v			1		v			1	Effects of environmental and biological conditions on the recruitment and growth of the manila clam <i>Ruditapes philippinarum</i> on the West coast of Korea
87	Yoon et al.	2017	v			1			v		1	Distributions of persistent organic contaminants in sediments and their potential impact on macrobenthic faunal community of the Geum River Estuary and Saemangeum coast, Korea

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
88	Bae et al.	2017	v			1			v		1	Impacts of environmental and anthropogenic stresses on macrozoobenthic communities in Jinhae Bay, Korea
89	Kim & Koo	2016	v			1			v		1	Changes in the macrobenthic community in Sihwa tidal flat after Operation of the tidal power plant
90	Park et al.	2016	v			1			v		1	Trophic linkage of a temperate intertidal macrobenthic food web under opportunistic macroalgal blooms: A stable isotope approach
91	Lee et al.	2016	v			1			v		1	The influence of environmental variables on distribution of macrobenthic community in salt marsh vegetation in Donggeomdo, Ganghwa on the West coast of Korea
92	Seo et al.	2015	v			1			v		1	Spatio-temporal distribution of macrobenthic communities in Jinhae Bay, Korea
93	Ryu et al.	2014	v			1			v		1	The Saemangeum tidal flat: Long-term environmental and ecological changes in marine benthic flora and fauna in relation to the embankment
94	Seo et al.	2014	v			1			v		1	Threshold Value of benthic Pollution Index (BPI) for a muddy healthy benthic faunal community and its application to Jinhae Bay in the Southern coast of Korea
95	Seo et al.	2014	v			1			v		1	Distribution patterns of macrobenthic fauna communities in Deukryang Bay, one of the environment conservation areas of Korea
96	Koo & Koh	2013	v			1			v		1	Oxygen penetration through invertebrate burrow walls in Korean tidal flat
97	Yu et al.	2013	v			1			v		1	Spatial variation in macrobenthic communities affected by the thermal discharge volumes of a nuclear power plant on the East coast of Korea

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
98	Seo et al.	2012	v			1			v		1	Structural changes in macrozoobenthic communities due to summer hypoxia in Gamak Bay, Korea
99	Yu et al.	2011		v		1			v		1	Spatiotemporal distribution of macrobenthic communities in the coastal area of Uljin and its relation to environmental variables
100	Hong et al.	2010	v			1		v			1	Concluding remarks on the joint survey of macrobenthic fauna on Suncheon tidal flats by the participants of "Korea and Japan Joint Symposium on Biology of tidal flats 2009"
101	Yoon et al.	2010	v			1			v		1	Discussion to spatial characteristics on a subtidal benthic community composed to the complicated coastal lines around Tongyeong, Korea
102	Choy et al.	2009	v			1		v			1	Quantifying the trophic base for benthic secondary production in the Nakdong River estuary of Korea using stable C and N isotopes
103	Moon et al.	2008	v			1			v		1	Wastewater treatment plants (WWTPs) as a source of sediment contamination by toxic organic pollutants and fecal sterols in a semi-enclosed bay in Korea
104	Kang et al.	2007	v			1		v			1	Contributions of primary organic matter sources to macroinvertebrate production in an intertidal salt marsh (<i>Scirpus triqueter</i>) ecosystem
105	Choi et al.	2007	v			1			v		1	Application of biotic indices to assess the health condition of benthic community in Masan Bay, Korea
106	Paik et al.	2007	v			1			v		1	Distribution patterns of sandy bottom macrobenthic community on the Hupo coastal area, in the East sea of Korea

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea				Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary	Total		
107	Lim et al.	2006	v	v		2			v		1	Hypoxia and benthic community recovery in Korean coastal waters
108	Lee et al.	2005		v		1			v		1	Spatial characteristics of the macrobenthos community near the Nakdong River Estuary, on the Southeast coast of Korea
109	Koo et al.	2004		v		1		v	v		2	Benthic pollution assessment based on macrobenthic community structure in Gamak Bay, Southern coast of Korea
110	Lim et al.	1991		v		1		v			1	Distribution pattern of the macrozoobenthos at Yoja Bay in Summer
111	Doornbos et al.	1986		v		1			v		1	Nakdong estuary barrage and reclamation project: preliminary results of the botanical, macrozoobenthic and ornithological studies
112	Kim	1978		v		1		v			1	Report on the collection of coastal marine invertebrates.
113	Kim & Choe	1981		v		1		v	v		2	The fauna of marine invertebrate in Ulreung Is. and Dogdo Is.
114	Je et al.	1997		v		1		v	v		2	Preliminary study on marine benthic organisms of Dokdo
115	Cha	2002		v		1		v			1	seasonal variation of intertidal organisms of Ullungdo and Dokdo Island
116	Park H-S, R-S Kang, JG Myoung	2002		v		1		v	v		2	Vertical distribution of mega-invertebrates and calculation to the stock assessment of commercial species inhabiting shallow hard-bottom in Dokdo, Korea.
117	Choi et al.	2002		v		1			v		1	macrobenthic faunal assemblages on the soft-bottoms around Dokdo in the East sea, Korea
118	Son et al.	2004		v		1		v	v		2	Report of twenty five additional Molluscan species from rocky inter- and subtidal area of Dokdo Island, Korea.
119	Choi et al.	2006		v		1			v		1	Echinoderm fauna of Dokdo, Korea.

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Table S3. (Continued) List of macrozoobenthos (total 1915 species) reported in the three seas of Korean Peninsula, the occurrence of macrozoobenthic species in the West Sea, South Sea, and East Sea and associated habitats including intertidal, subtidal, and estuary is provided.

No.	Phylum	Scientific name	Korean Sea			Habitat				Total	
			Σ W	Σ S	Σ E	Total	Intertidal	Subtidal	Estuary		Total
120	Hong et al.	2006			v	1			v	1	Decapod crustaceans of Dokdo Island, Korea.
121	Song et al.	2017			v	1		v	v	2	Biodiversity hotspot for marine invertebrates around the Dokdo, East sea, Korea: Ecological checklist revisited
122	Kang et al.	2013			v	1		v		1	Diversity of intertidal benthic invertebrate of Dokdo and Ulleung-do island from Korea
123	Yim et al.	2020	v			1		v	v	2	Rapid recovery of coastal environment and ecosystem to the Hebei Spirit oil spill's impact
124	Choi et al.	2000			v	1			v	1	Distribution pattern of macrobenthic invertebrates on the shallow subtidal sandy bottoms near Kangrung, East coast of Korea
125	Lim and Lim	2016	v			1			v	1	Subtidal macrobenthic community in Shia sea, Southwest coast of Korea
126	Seo et al.	2009	v	v		2			v	1	The community structures of macrozoobenthos during summer in the Incheon and Busan Harbors, Korea
127	Kim et al.	2016			v	1			v	2	The community structure of macrobenthic assemblages in the Taehwa River Estuary, Ulsan, Korea
128	Ko et al.	2016			v	1			v	1	Short-term changes of community structure of microbenthic invertebrates in the coastal water Jeju Island, Korea from 2013 to 2015
Total			88	27	17			64	70	5	

