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APPENDIX 1. SPECIES FACTOR SCORES

Biofacies Factors	B 1	A 2	C 3	D 4	E 5
First dominant species	<i>Elphidium</i> <i>Lenticulina</i> <i>pseudovortex</i>	Agglutinated spp. <i>Rhabdimmina</i> spp.	<i>Nodosaria</i> <i>Longiscata</i>	<i>Bulimina</i> <i>Trigona</i>	Planktonic spp. <i>Bulimina</i>
Second dominant species			Planktonic spp. <i>Ellipponodosaria</i> <i>recta</i>	Planktonic spp. <i>Lenticulina</i> <i>euglypheus</i>	<i>Jacksonensis</i> <i>Lenticulina</i> <i>pseudovortex</i>
Third dominant species		Nonion spp.			
1 Undifferentiated agglutinated spp.	-0.35	<b>10.24</b>	-1.60	-0.03	-0.25
2 Agglutinated sp. A	-0.35	0.90	-0.13	-0.86	0.34
3 <i>Alveovalvulinella</i> spp.	-0.21	-0.21	-0.34	-0.44	0.47
4 <i>Astrorhiza</i> spp.	-0.21	<b>1.54</b>	<b>1.36</b>	-1.01	0.19
5 <i>Ammobaculites</i> spp.	-0.22	0.06	-0.42	-0.25	-0.12
6 <i>Gaudryina</i> spp.	-0.19	0.18	-0.31	-0.07	-0.03
7 <i>Gravellina</i> spp.	-0.19	-0.21	-0.27	-0.33	-0.06
8 <i>Haplophragmoides</i> spp.	-0.33	0.58	-0.27	-0.01	0.17
9 <i>Rhabdimmina</i> spp.	-0.78	<b>3.15</b>	-0.38	0.15	0.23
10 <i>Spiroplectomina</i> spp.	-0.05	-0.23	-0.24	-0.05	-0.14
11 <i>Textularia</i> spp.	-0.40	<b>1.12</b>	-0.12	-0.14	0.12
12 Unknown calcareous species	-0.21	-0.21	-0.33	-0.42	0.38
13 <i>Alabamina</i> spp.	0.24	-0.37	-0.27	-0.42	0.25
14 <i>Anomalinoides</i> spp.	-0.15	-0.12	-0.22	-0.34	-0.15
15 <i>Astacolus</i> spp.	0.07	-0.13	-0.27	-0.09	-0.54
16 <i>Bifarina</i> spp.	-0.16	-0.25	-0.21	-0.23	0.22
17 <i>Bolivina</i> spp.	-0.21	-0.21	-0.26	-0.25	-0.07
18 <i>Bulimina jacksonensis</i>	0.15	-0.36	-0.27	-0.99	6.18
19 <i>Bulimina pupoides</i>	-0.18	-0.22	-0.26	-0.32	-0.15
20 <i>Bulimina socialis</i>	-0.01	0.85	-0.45	0.11	0.81
21 <i>Bulimina simplex</i>	-0.12	-0.26	-0.17	-0.11	-0.24
22 <i>Bulimina trigona</i>	0.23	0.00	<b>1.45</b>	<b>6.07</b>	-3.12
23 <i>Buliminella pulchra</i>	-0.19	-0.21	-0.27	-0.33	-0.06
24 <i>Bulliminella</i> spp.	-0.19	-0.22	-0.20	-0.33	-0.11
25 <i>Cancris</i> spp.	-0.13	-0.22	-0.30	-0.31	-0.15
26 <i>Cibicides</i> spp.	0.08	-0.18	0.38	0.67	-0.46
27 <i>Cibicides cocoensis</i>	-0.08	-0.23	-0.22	-0.35	-0.15
28 <i>Cibicides crassidiscus</i>	-0.34	-0.04	-0.68	<b>2.06</b>	0.61
29 <i>Cibicides lawi</i>	-0.43	0.22	-0.58	1.51	-0.17
30 <i>Cibicides lobatus</i>	-0.12	-0.21	-0.17	-0.33	-0.28
31 <i>Cibicides pseudoungerianus</i>	0.18	0.10	0.28	-0.54	0.87
32 <i>Cibicides pseudowullenstorfi</i>	0.20	-0.12	-0.24	-0.42	-0.60
33 <i>Cibicidina danvillensis</i>	-0.23	-0.23	-0.11	-0.31	-0.03
34 <i>Cibicidina</i> spp.	-0.13	-0.22	-0.25	-0.33	-0.16
35 <i>Cibicidoides</i> spp.	-0.22	-0.24	0.00	-0.29	-0.28
36 <i>Cornuspira</i> spp.	-0.15	-0.22	-0.28	-0.32	-0.16
37 <i>Crysalogonium elongatum</i>	0.11	-0.40	0.02	-0.01	-0.03
38 <i>Crysalogonium longicostatum</i>	-0.02	0.04	-0.59	-0.55	0.50
39 <i>Crysalogonium lanceolatum</i>	0.01	-0.39	0.60	0.75	-0.40
40 <i>Chysalogonium tenicostatum</i>	-0.23	-0.20	-0.27	0.00	-0.15
41 <i>Dentalina</i> spp.	0.62	0.06	0.30	<b>1.40</b>	-2.75
42 <i>Dentalina communus</i>	0.27	-0.23	-0.34	0.92	0.09

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43	<i>Dentalina cooperensis</i>	0.05	-0.31	-0.18	-0.18	-0.07
44	<i>Dentalina indifferns</i>	-0.24	-0.24	-0.06	-0.32	0.01
45	<i>Dentalina mucronia</i>	0.05	-0.20	-0.07	-0.30	-0.34
46	<i>Dentalina pamperata</i>	-0.11	-0.27	-0.16	-0.24	0.02
47	<i>Dentalina soluta</i>	-0.23	-0.23	-0.11	-0.31	-0.03
48	<i>Dentalina vertebralis</i>	-0.22	-0.24	0.00	-0.29	-0.28
49	<i>Discorbus</i> spp.	-0.20	0.02	-0.29	-0.16	-0.02
50	<i>Elphidium</i> spp.	<b>11.07</b>	0.26	-1.42	-0.35	-0.55
51	<i>Elliponodosaria recta</i>	<b>1.04</b>	-0.72	<b>2.31</b>	-1.92	-0.46
52	<i>Ellposolagene</i> spp.	-0.20	-0.10	-0.26	-0.32	-0.18
53	<i>Epistominella</i> spp.	-0.13	-0.27	-0.08	-0.34	0.11
54	<i>Eponides</i> spp.	-0.09	0.62	<b>1.12</b>	<b>1.56</b>	0.15
55	<i>Eponides jacksonensis</i>	-0.06	-0.23	-0.20	-0.36	-0.15
56	<i>Eponides mexicus</i>	-0.26	-0.17	-0.35	0.18	-0.20
57	<i>Eponides umbonutus</i>	-0.01	-0.26	-0.30	0.15	-0.54
58	<i>Glandulina conica</i>	-0.20	-0.21	-0.27	-0.24	-0.06
59	<i>Glandulina occidentalis</i>	-0.01	-0.27	-0.18	-0.26	-0.06
60	<i>Glandulina ovata</i>	-0.17	-0.23	-0.23	-0.24	-0.18
61	<i>Globacassidulina subglobosa</i>	-0.23	-0.17	-0.06	-0.28	0.11
62	<i>Globulina</i> spp.	0.00	-0.24	-0.26	-0.32	-0.01
63	<i>Globulina Ampula</i>	-0.12	-0.20	-0.26	-0.33	-0.23
64	<i>Globulina Gibba</i>	0.24	-0.03	-0.50	-0.51	0.43
65	<i>Globulina Inequalis</i>	-0.22	-0.12	-0.19	-0.31	-0.11
66	<i>Gutalina</i> spp.	0.07	0.29	-0.81	-0.39	0.72
67	<i>Guttilina consorbina</i>	-0.17	-0.21	-0.34	-0.01	-0.17
68	<i>Guttalina inaequalis</i>	0.07	-0.23	-0.33	-0.09	-0.27
69	<i>Guttalina ovata</i>	-0.20	-0.21	-0.29	-0.35	0.03
70	<i>Gutalina Problema</i>	-0.19	-0.24	-0.14	-0.22	-0.19
71	<i>Guttalina Byramensis</i>	0.21	-0.18	-0.16	0.09	-0.60
72	<i>Gypsina</i> spp.	-0.19	-0.10	-0.27	-0.32	-0.18
73	<i>Gyroidinoides planulatus</i>	-0.32	-0.27	0.26	-0.32	0.25
74	<i>Gyroidinoides</i> spp.	-0.11	-0.15	-0.23	0.24	0.04
75	<i>Lagena elliptic</i>	-0.19	-0.21	-0.27	-0.33	-0.06
76	<i>Lagena hexagona</i>	-0.19	-0.21	-0.27	-0.33	-0.06
77	<i>Lagena laevis</i>	-0.24	-0.24	-0.06	-0.32	0.01
78	<i>Lagena striata</i>	-0.20	-0.21	-0.29	-0.35	0.03
79	<i>Lagena</i> spp.	0.22	0.25	0.77	0.82	0.03
80	<i>Lenticulina america</i>	-0.20	-0.22	-0.21	-0.31	-0.11
81	<i>Lenticulina clerici</i>	-0.29	-0.16	-0.51	0.95	-0.29
82	<i>Lenticulina carolinana</i>	-0.13	-0.22	-0.29	-0.06	-0.41
83	<i>Lenticulina convergens</i>	0.73	-0.45	0.26	0.11	-0.90
84	<i>Lenticulina euglypheus</i>	-0.09	0.93	-0.88	<b>3.42</b>	-1.02
85	<i>Lenticulina Limbosus</i>	-0.47	-0.06	-0.67	<b>1.52</b>	0.28
86	<i>Lenticulina occidnetalis</i>	-0.21	-0.20	-0.32	0.00	-0.19
87	<i>Lenticulina pseudovortex</i>	<b>1.29</b>	<b>1.01</b>	-0.66	-1.33	3.70
88	<i>Lenticulina rectidorsata</i>	-0.13	-0.21	-0.26	-0.32	-0.19
89	<i>Loxostimum</i> spp.	-0.19	-0.21	-0.27	-0.33	-0.06
90	<i>Marginulina</i> spp.	0.12	-0.31	0.05	-0.19	-0.51
91	<i>Melonis</i> spp.	-0.14	-0.09	-0.27	-0.47	0.21

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92	<i>Nodosarella</i> sp. A	-0.07	-0.34	1.26	-0.25	1.33
93	<i>Nodosaria</i> spp.	0.13	-0.18	1.06	-0.81	-0.92
94	<i>Nodosaria Annulospinosa</i>	-0.19	-0.21	-0.27	-0.33	-0.06
95	<i>Nodosaria consobrina</i>	-0.22	-0.26	0.94	-0.16	-0.13
96	<i>Nodosaria Globifera</i>	-0.17	-0.23	-0.23	-0.24	-0.18
97	<i>Nodosaria lamellata</i>	-0.13	-0.24	0.34	-0.71	-0.50
98	<i>Nodosaria Longiscata</i>	0.91	<b>2.21</b>	<b>9.17</b>	-2.10	-0.97
99	<i>Nodosaria Pyrulu</i>	-0.05	-0.29	0.43	-0.52	-0.57
100	<i>Nodosaria Raphanistrum</i>	-0.65	-0.28	<b>1.65</b>	-0.70	0.35
101	<i>Nodosaria Recta</i>	-0.30	-0.22	-0.31	0.04	0.81
102	<i>Nodosaria Subspinosa</i>	-0.39	-0.49	<b>2.02</b>	0.03	-1.36
103	<i>Nodosaria Schlichti</i>	-0.23	-0.22	-0.10	-0.34	-0.11
104	<i>Nodosaria Stainforthi</i>	-0.02	-0.25	-0.28	-0.30	-0.19
105	<i>Nodosarella</i> spp	-0.17	-0.23	-0.22	0.45	-0.32
106	<i>Nonion</i> spp.	-0.10	0.72	-0.27	0.16	0.71
107	<i>Nonion maurianus</i>	-0.18	-0.22	-0.26	-0.32	-0.15
108	<i>Nonion nicobarensis</i>	0.95	-0.15	0.39	<b>3.44</b>	-1.02
109	<i>Nonion danvillensis</i>	-0.19	-0.23	-0.20	-0.29	-0.03
110	<i>Nonionella</i> spp.	0.04	-0.25	-0.29	-0.37	-0.19
111	<i>Nonionella Longicamerata</i>	0.11	-0.36	-0.13	0.04	0.47
112	<i>Nonionella Turgida</i>	-0.07	-0.23	-0.31	0.19	-0.66
113	<i>Oolina</i> spp.	-0.25	0.13	-0.28	-0.17	0.05
114	<i>Oridorsalis</i> spp.	0.27	-0.34	-0.16	-0.14	-0.13
115	Planktonic species	0.84	-0.25	<b>2.85</b>	<b>5.41</b>	<b>6.72</b>
116	<i>Pleurostomela elliptica</i>	-0.32	-0.14	-0.43	0.67	-0.24
117	<i>Plymorphina amygdalooides</i>	-0.26	-0.17	-0.35	0.18	-0.20
118	<i>Pseudopolymorphina</i>	-0.16	-0.23	0.04	-0.51	-0.33
119	<i>Pseudoglandulina</i> spp.	-0.20	-0.21	-0.26	-0.28	-0.10
120	<i>Pullenia</i> spp.	-0.03	-0.45	<b>2.12</b>	0.32	-0.16
121	<i>Pyramidulina vertebralis</i>	-0.23	-0.23	-0.11	-0.31	-0.03
122	<i>Pyrulina</i> spp.	-0.06	-0.21	-0.32	-0.36	-0.14
123	<i>Pyrulina Cyclindroides</i>	-0.06	-0.28	-0.23	-0.28	0.20
124	<i>Quinqueloculina</i> spp.	-0.15	-0.22	-0.25	-0.32	-0.12
125	<i>Rectuviergina</i> spp.	-0.18	-0.22	-0.27	-0.34	-0.03
126	<i>Saracemaroa</i> spp.	-0.15	0.15	-0.37	0.10	-0.08
127	<i>Saracemaroa Stavensis</i>	-0.14	-0.23	-0.22	-0.25	-0.18
128	<i>Sigmoidella</i> spp.	-0.18	-0.22	-0.26	-0.31	-0.12
129	<i>Siphonodosaria nuttilli</i>	-0.23	-0.10	-0.09	0.06	-0.28
130	<i>Siphonodosaria Recta</i>	-0.62	-0.08	-0.40	<b>2.08</b>	0.17
131	<i>Spiroplectomina</i> spp.	-0.05	-0.23	-0.24	-0.05	-0.14
132	<i>Textularia</i> spp.	-0.19	-0.21	-0.27	-0.33	-0.06
133	<i>Trifarina</i> spp.	-0.22	-0.45	0.85	-0.33	<b>1.18</b>
134	<i>Uvigerina nuttilli</i>	-0.38	-0.22	0.03	0.62	0.10
135	<i>Valvulineria jacksonensis</i>	-0.05	-0.20	-0.26	-0.34	-0.26
136	<i>Valvulineria</i> spp.	-0.03	-0.24	-0.16	-0.35	-0.20