



Supplement of

Change in biodiversity and abundance of benthic foraminifera with distance from the Rainbow hydrothermal vent field, Mid-Atlantic Ridge

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Table S1: General data, population density and density of empty foraminiferal tests, number of species and calculated Shannon-Wiener index.

Station	4	7	12	19	21	23
Latitude	36.237	36.232	36.247	36.328	36.388	36.491
Longitude	-33.897	-33.902	-33.897	-33.678	-33.627	-33.579
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
Sample volume [cm ³]	63.0	34.0	70.0	70.0	72.0	85.5
Distance from vent field [m]	887	204	1898	22880	30308	41012
Water depth [m]	2333	2295	2420	2506	2306	2180
Porewater content [%]	53.7	58.4	60.9	62.6	60.3	55.7
Porosity	0.74	0.77	0.79	0.80	0.79	0.75
Population density [individuals/10cm ³]	13.3	15.0	25.1	26.1	21.5	18.8
Number of species (living assemblage)	21	17	39	40	44	36
Shannon-Wiener index (living assemblage)	2.67	2.29	3.27	3.03	3.16	2.98
Density of empty foraminiferal tests [individuals/cm ³]	56.9	46.1	14.0	72.5	45.2	51.5
Number of species (dead assemblage)	71	49	73	68	67	68
Shannon-Wiener index (dead assemblage)	3.52	2.84	3.64	3.60	3.58	3.53

Table S2: Percentages of main groups of benthic foraminifera divided by test composition.

Station	4	7	12	19	21	23
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
Miliolida [%] (living assemblage)	61.9	78.4	17.1	7.7	24.5	11.8
Hyaline foraminifera [%] (living assemblage)	15.5	5.9	46.6	26.2	22.6	29.2
Agglutinated foraminifera [%] (living assemblage)	13.1	15.7	30.7	55.2	43.2	52.2
Miliolida [%] (dead assemblage)	44.4	63.6	35.9	14.8	11.8	17.7
Hyaline foraminifera [%] (dead assemblage)	49.4	35.4	47.6	70.7	71.8	65.9
Agglutinated foraminifera [%] (dead assemblage)	6.3	1.1	16.6	14.5	16.4	16.5

5 **Table S3: Porewater concentrations of total inorganic nitrogen (TON), nitrite, nitrate, soluble reactive phosphate (SRP) and silicic acid.**

Station	4	7	12	19	23
Sediment depth [cm]	1	1	2.5	1	0.7
TON [μmol/L]	25.8	20.9	27.4	27.7	23.9
Nitrite [μmol/L]	0.02	0.02	0.03	0.06	0.22
Nitrate[μmol/L]	25.8	20.9	27.4	27.7	23.7
Phosphate[μmol/L]	1.51	1.18	1.78	1.46	1.33
Silicate [μmol/L]	56.5	36.8	50.9	52.1	39.5

Table S4: Content of organic carbon and carbonate in the sediment.

Station	4	7	12	19	23
Sediment depth [cm]	0.5	0.5	0.5	No data	0.5
Organic carbon [%]	0.24	0.39	0.35	No data	0.30
Carbonate content [%]	85.6	77.2	97.3	No data	92.2

10 **Table S5: Porewater concentrations of trace metals.**

Station	4	7	12	19	23
Sediment depth [cm]	1	1	2.5	1	1.2
Vanadium [nmol/kg]	42.8	30.9	43.1	79.1	69.5
Chromium [nmol/kg]	3.65	4.92	4.70	3.80	4.49
Manganese [nmol/kg]	1.98	6.30	0.66	6.36	5.41
Iron [nmol/kg]	24.0	7.51	4.13	2.95	2.22
Cobalt [nmol/kg]	4.28	31.9	0.30	0.22	0.26
Nickel [nmol/kg]	14.9	16.2	13.2	16.4	16.0
Copper[nmol/kg]	349	763	145	35.0	34.8
Zinc [nmol/kg]	129	325	56.6	20.0	41.4
Arsenic [nmol/kg]	26.3	19.8	23.0	30.5	37.8
Molybdenum [nmol/kg]	94.0	93.7	91.6	98.8	91.5
Barium [nmol/kg]	124	102	146	136	125
Uranium [nmol/kg]	9.89	10.2	9.39	9.62	9.56

15 **Table S6: CCA scores of living benthic foraminifera with reduced dataset and environmental variables.**

CCA axis Variance	Axis 1 43.22 %	Axis 2 30.43 %	Axis 3 14.13 %	Axis 4 10.13 %	Axis 5 2.01 %
<i>A. pseudothalmanni</i>	0.387	1.617	-1.006	-0.871	2.167
<i>Cibicides/Cibicidoides</i> spp.	1.191	0.186	-0.137	1.598	-0.878
<i>C. inconstans</i>	0.158	2.730	-1.194	-0.130	-1.474
<i>Fissurina/Parafissurina</i> spp.	-0.833	0.050	1.404	0.080	-1.184
<i>G. translucens</i>	1.055	2.343	-0.176	-0.898	2.425
<i>Globocassidulina</i> spp.	1.212	0.747	0.149	-1.411	-2.600
<i>Gyroidina/Hansenisca</i> spp.	0.889	0.929	0.203	-0.232	0.938
<i>H. elegans</i>	1.198	-1.159	-0.118	1.169	-1.615
<i>H. fulva</i>	0.425	-0.354	0.920	-0.526	0.842
<i>Hyperammina</i> spp.	1.187	3.861	0.065	-0.135	-0.522
<i>L. pauperata</i>	0.943	-1.276	-0.305	-3.142	3.614
<i>N. dentaliniformis</i>	1.091	-1.264	-0.559	4.019	2.586
<i>O. rugosus</i>	1.187	3.861	0.065	-0.135	-0.522
<i>Pullenia</i> spp.	1.175	0.602	-0.084	0.610	-0.746
<i>Pyrgo/Pyrgoella</i> spp.	-0.150	-0.630	0.816	1.042	0.837
<i>Quinqueloculina</i> spp.	-1.192	-0.019	-0.890	-0.343	0.456
<i>Reophax</i> spp.	0.752	-0.861	0.008	-1.060	-0.494
<i>Rhizammina/Rhabdammina</i> spp.	0.352	-0.436	-0.456	1.427	0.775
<i>S. ramosa</i>	0.791	0.140	0.494	1.915	-0.691
<i>S. sigmoidea</i>	-1.708	0.233	3.330	0.320	0.277
<i>S. decorata</i>	-1.141	0.884	3.602	0.290	0.587
<i>S. pusilla</i>	-1.616	0.489	1.072	0.166	-0.849
<i>Triloculina/Triloculinella</i> spp.	-1.524	0.043	-1.746	0.494	-1.540
St. 4	-0.804	-0.019	0.659	0.043	0.019
St. 7	-0.950	0.032	-0.573	-0.012	-0.076
St. 12	0.506	1.159	0.009	-0.014	-0.011
St. 19	0.587	-0.481	0.091	-0.428	-0.185
St. 21	0.248	-0.300	-0.156	-0.218	0.294
St. 23	0.541	-0.407	-0.051	0.616	-0.030
Water depth	0.230	0.256	0.225	-0.831	-0.374
Porosity	0.543	0.151	-0.438	-0.690	-0.087
Nitrate	0.597	0.237	0.639	-0.426	-0.061
Phosphate	0.444	0.689	0.512	-0.221	0.129

	CCA axis Variance	Axis 1 43.22 %	Axis 2 30.43 %	Axis 3 14.13 %	Axis 4 10.13 %	Axis 5 2.01 %
V		0.756	-0.569	0.202	-0.033	-0.257
Cr		-0.026	0.433	-0.838	0.328	0.065
Mn		-0.010	-0.769	-0.542	-0.056	-0.326
Fe		-0.711	-0.003	0.654	-0.049	0.237
Co		-0.743	-0.027	-0.666	-0.076	-0.030
Ni		-0.142	-0.889	-0.328	-0.020	-0.280
Cu		-0.889	0.096	-0.439	-0.092	0.068
Zn		-0.852	0.043	-0.523	-0.029	0.052
As		0.601	-0.585	0.266	0.472	-0.053
Mo		0.056	-0.508	0.139	-0.762	-0.371
Ba		0.770	0.397	0.466	-0.189	-0.004
U		-0.896	-0.289	-0.324	-0.100	-0.013
C _{org}		0.012	0.307	-0.913	-0.193	-0.163
CaCO ₃		0.809	0.426	0.330	0.209	0.102

Table S7: CCA scores of dead benthic foraminifera with reduced dataset and environmental variables.

	CCA axis Variance	Axis 1 65.42 %	Axis 2 17.19 %	Axis 3 10.23 %	Axis 4 3.80 %	Axis 5 3.36%
<i>A. pseudothalmanni</i>		0.134	1.598	-1.551	-1.017	0.723
<i>Bulimina/Buliminella</i> spp.		0.295	0.666	0.556	-1.525	-0.350
<i>Cibicides/Cibicidoides</i> spp.		0.667	-0.186	0.983	0.664	-0.579
<i>C. inconstans</i>		-0.418	3.381	-0.635	-1.417	-2.463
<i>E. exigua</i>		-0.132	0.282	-1.123	1.970	0.428
<i>Fissurina/Parafissurina</i> spp.		-0.242	0.449	-0.008	0.411	0.093
<i>Fursenkoina</i> spp.		0.531	0.180	-0.109	-0.070	2.961
<i>G. translucens</i>		0.090	-0.174	0.564	-3.748	1.733
<i>Cassidulina/Globocassidulina</i> spp.		-0.687	-0.154	-0.844	1.791	2.049
<i>Gyroidina/Hansenisca</i> spp.		0.580	0.084	0.442	0.264	0.993
<i>H. elegans</i>		1.614	-1.193	-0.667	0.030	-0.077
<i>Lagena/Oolina</i> spp.		-0.033	0.597	-0.533	0.597	-0.202
<i>Melonis</i> spp.		-0.310	-2.000	-1.327	1.250	-0.805
<i>Miliolinella</i> spp.		-0.311	2.243	0.796	0.609	-0.010
<i>L. pauperata</i>		0.925	-0.835	0.740	-2.036	2.812
<i>O. rugosus</i>		0.574	-0.399	-2.439	-2.129	-0.963
<i>Pullenia</i> spp.		0.455	-0.549	-0.285	0.917	-1.470

CCA axis Variance	Axis 1 65.42 %	Axis 2 17.19 %	Axis 3 10.23 %	Axis 4 3.80 %	Axis 5 3.36%
<i>Pyrgo/Pyrgoella</i> spp.	0.495	-0.724	-0.646	0.319	-0.663
<i>Quinqueloculina</i> spp.	-1.396	-0.722	0.394	-0.727	-0.313
<i>Reophax</i> spp.	1.003	-0.541	-1.543	-0.530	-0.673
<i>Rhizammina</i> spp.	1.295	0.917	2.168	-0.159	1.058
<i>R. translucens</i>	0.832	1.216	3.325	0.658	1.669
<i>S. ramosa</i>	-0.066	3.110	-0.627	-0.453	-1.791
<i>S. sigmoidea</i>	-2.073	-1.847	1.094	-1.264	-0.139
<i>S. acutimargo</i>	0.472	2.568	1.429	0.595	-1.941
<i>S. pusilla</i>	-1.640	0.197	-0.240	0.871	0.292
<i>Triloculina/Triloculinella</i> spp.	0.118	-0.255	0.696	-0.876	-1.053
<i>Uvigerina</i> spp.	0.064	-0.003	-1.589	1.824	2.698
St. 4	-0.579	0.051	-0.180	0.220	0.122
St. 7	-0.801	-0.344	0.174	-0.115	-0.041
St. 12	-0.240	0.567	-0.089	-0.115	-0.105
St. 19	0.581	-0.284	-0.264	0.044	-0.174
St. 21	0.570	-0.050	-0.070	-0.154	0.213
St. 23	0.529	0.108	0.415	0.127	-0.023
Water depth [m]	0.038	-0.013	-0.861	-0.156	-0.495
Porosity	0.394	-0.073	-0.396	-0.702	-0.450
Nitrate	0.400	0.460	-0.726	0.168	-0.214
Phosphate	0.069	0.816	-0.555	-0.058	-0.100
V	0.876	-0.140	-0.051	0.336	-0.322
Cr	-0.251	0.175	0.634	-0.680	-0.174
Mn	0.312	-0.856	0.342	-0.035	-0.236
Fe	-0.542	-0.031	-0.362	0.489	0.586
Co	-0.620	-0.560	0.283	-0.414	0.086
Ni	0.270	-0.906	0.285	0.186	-0.076
Cu	-0.783	-0.433	0.138	-0.308	0.242
Zn	-0.733	-0.468	0.241	-0.326	0.215
As	0.768	0.028	0.350	0.540	-0.025
Mo	0.271	-0.665	-0.640	0.110	-0.277
Ba	0.462	0.687	-0.464	0.030	-0.273
U	-0.610	-0.711	0.132	-0.054	0.281
C _{org}	-0.175	-0.161	0.248	-0.825	-0.425
CaCO ₃	0.480	0.842	-0.063	0.032	-0.191

Table S8: Counting data of living benthic foraminifera.

Station	4	7	12	19	21	23
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
<i>Abditodentrix pseudothalmanni</i> (Boltovskoy & Guissani de Kahn, 1981)		1	9	1	4	
<i>Alabaminella weddellensis</i> (Earland, 1936)			1		1	2
<i>Anomalinoides globulosus</i> (Chapman & Parr, 1937)				2		
<i>Bulimina truncana</i> (Gümbel, 1870)	1				1	
<i>Cibicides</i> sp. sensu Phleger et al. (1953)					1	
<i>Cibicidoides mundulus</i> (Brady, Parker & Jones, 1888)				8	2	13
<i>Cibicidoides wuellerstorfi</i> (Schwager, 1866)			13		1	4
<i>Cornuloculina inconstans</i> (Brady, 1879)		1	8			
<i>Cornuspira foliacea</i> (Philippi, 1844)		1			1	
<i>Cornuspira involvens</i> (Reuss, 1850)						1
<i>Cylindroclavulina</i> cf. <i>bradyi</i> (Cushman, 1911)				1		
<i>Eggerella bradyi</i> (Cushman, 1911)				1	3	
<i>Ehrenbergina trigona</i> Goës, 1896			1			
<i>Epistominella exigua</i> (Brady, 1884)				3		
<i>Fissurina semimarginata</i> (Reuss, 1870)	1		1			
<i>Fissurina seminiformis</i> (Schwager, 1866)				2		
<i>Fissurina</i> spp.	5	2	2	3	1	3
<i>Gavelinopsis translucens</i> (Phleger & Parker, 1951)			10	1	3	
<i>Geminiella gibbera</i> (Buchner, 1940)					2	
<i>Globocassidulina crassa</i> (d'Orbigny, 1839)				1	1	
<i>Globocassidulina subglobosa</i> (Brady, 1881)			5	4		1
<i>Glomospira gordialis</i> (Jones & Parker, 1860)		1				
<i>Gyroidina polia</i> (Phleger & Parker, 1951)			12	2	1	
<i>Gyroidina umbonata</i> (Silvestri, 1898)	1					
<i>Hansenisca soldanii</i> (d'Orbigny, 1826)				3	4	4
<i>Hoeglundina elegans</i> (d'Orbigny, 1826)			1	8	3	10
<i>Hormosinella carpenteri</i> (Brady, 1881)						1
<i>Hospitella fulva</i> Rhumbler, 1911	8		10	20	15	11
<i>Hyperammina</i> sp. 1			14			
<i>Hyperammina</i> sp. 2			4			
<i>Ioanella tumidula</i> (Brady, 1884)					2	
<i>Karrerella bradyi</i> (Cushman, 1911)				3		
<i>Laevidentalina haueri</i> (Neugeboren, 1856)						1
<i>Lagenammina ampullacea</i> (Brady, 1881)			1			
<i>Lagenammina</i> spp.			1	1		
<i>Laticarinina pauperata</i> (Parker & Jones, 1865)				3	3	
<i>Melonis affinis</i> (Reuss, 1851)				1		1
<i>Miliolinella</i> spp.				1		
<i>Nodulina dentaliniformis</i> (Brady, 1881)					2	6
<i>Oridorsalis umbonatus</i> (Reuss, 1851)			1	1	2	
<i>Osangularielloides rugosus</i> (Phleger & Parker, 1951)			13			
<i>Parafissurina</i> spp.	2		1			
<i>Placopsilina/Placopsilinella</i> spp.			2			2
<i>Psammophax consociata</i> Rhumbler, 1931				2		

Station	4	7	12	19	21	23
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
<i>Psammospaera fusca</i> Schulze, 1875						1
<i>Psammospaera</i> spp.			4	1		
<i>Pseudotriloculina cyclostoma</i> (Reuss, 1850)					2	
<i>Pullenia bulloides</i> (d'Orbigny, 1846)			7	4		4
<i>Pullenia subcarinata</i> (d'Orbigny, 1839)					2	1
<i>Pyrgo elongata</i> (d'Orbigny, 1826)	1					
<i>Pyrgo lucernula</i> (Schwager, 1866)					1	
<i>Pyrgo murrhina</i> (Schwager, 1866)				2	1	4
<i>Pyrgoella irregularis</i> (d'Orbigny, 1839)	4	1	1	2	1	3
<i>Pyrgoella sphaera</i> (d'Orbigny, 1839)					2	1
<i>Pyrulina angusta</i> (Egger, 1857)			2			2
<i>Pytine</i> sp.						1
<i>Quinqueloculina seminulum</i> (Linnaeus, 1758)	10	6	5	2	19	3
<i>Quinqueloculina</i> sp. 1				1	1	2
<i>Quinqueloculina</i> spp.					1	
<i>Quinqueloculina venusta</i> Karrer, 1868			1	3	2	
<i>Quinqueloculina weaveri</i> Rau, 1948	11	18	5	3	4	
<i>Recurvoides turbinatus</i> (Brady, 1881)					1	
<i>Reophax agglutinator</i> Cushman, 1913	2			2		
<i>Reophax bilocularis</i> Flint, 1899	4	2	10	34	19	20
<i>Reophax scorpiurus</i> Montfort, 1808				24	19	12
<i>Reophax</i> spp.		1	3	5	3	1
<i>Reophax subdentaliniformis</i> Parr, 1950				14	1	
<i>Rhabdammina</i> sp. 1		1				
<i>Rhabdammina</i> sp. 2						1
<i>Rhizammina algaeformis</i> Brady, 1879	4	2	10	8	13	30
<i>Rhizammina</i> sp. 1		1		2		1
<i>Rhizammina</i> sp. 2					3	
<i>Saccorhiza ramosa</i> (Brady, 1879)	1		4	2	1	6
<i>Sigmoilina sigmoidea</i> (Brady, 1884)	11	1	2			
<i>Sigmopyrgo vespertilio</i> (Schlumberger, 1891)						1
<i>Spirillina decorata</i> Brady, 1884	3		2			
<i>Spirophthalmidium acutimargo</i> (Brady, 1884)	1		1		1	
<i>Spirosigmoilina pusilla</i> (Earland, 1934)	10	4	5			
<i>Subreophax aduncus</i> (Brady, 1882)				1		
<i>Technitella</i> cf. <i>melo</i> Norman, 1878					1	
<i>Technitella legumen</i> Norman, 1878						1
<i>Thurammina papillata</i> Brady, 1879			1			2
<i>Tolypammina schaudinni</i> Rhumbler, 1904					1	
<i>Trifarina angulosa</i> (Williamson, 1858)					1	
<i>Triloculina insignis</i> (Brady, 1881)	1					
<i>Triloculina</i> spp.	1		1			
<i>Triloculina tricarinata</i> d'Orbigny in Deshayes, 1832			1			3
<i>Triloculina trigonula</i> (Lamarck, 1804)		4				
<i>Triloculinella obliquinodus</i> Riccio, 1950	2	4			2	1
<i>Uvigerina auberiana</i> d'Orbigny, 1839			1	1		

Station	4	7	12	19	21	23
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
total	84	51	176	183	155	161
Organic-walled foraminifera in planktic shells	37	35	53	70	71	76

Table S9: Counting data of dead benthic foraminifera.

Station	4	7	12	19	21	23
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
Split	3/32	3/16	3/8	1/16	3/32	3/32
<i>Abditodentrix pseudothalmanni</i> (Boltovskoy & Guissani)	23	3	43	16	26	11
<i>Alabaminella weddellensis</i> (Earland, 1936)			4	2	1	
<i>Ammodiscus incertus</i> (d'Orbigny, 1839)			3			
<i>Ammodiscus tenuis</i> (Brady, 1881)				1		
<i>Ammolagena clavata</i> (Jones & Parker, 1860)	1		4		1	1
<i>Anomalinoides globulosus</i> (Chapman & Parr, 1937)				2		1
<i>Astrononion echolsi</i> Kennett, 1967	1					1
<i>Bathysiphon</i> sp.						1
<i>Bolivina subspinescens</i> Cushman, 1922						1
<i>Bolivinellina pseudopunctata</i> (Höglund, 1947)				1		
<i>Bulimina aculeata</i> d'Orbigny, 1826	1					
<i>Bulimina truncana</i> (Gümbel, 1870)		2		2	3	4
<i>Buliminella</i> cf. <i>elegantissima</i> (d'Orbigny, 1839)			4			
<i>Cassidulina carinata</i> Silvestri, 1896	5	4			1	2
<i>Cibicides pachyderma</i> (Rzehak, 1886)			2			
<i>Cibicides</i> sp. sensu Phleger et al. (1953)	1	1	2	9	8	8
<i>Cibicidoides mundulus</i> (Brady, Parker & Jones, 1888)	2	7	3	18	9	36
<i>Cibicidoides robertsonianus</i> (Brady, 1881)	1					
<i>Cibicidoides wuellerstorfi</i> (Schwager, 1866)	15	15	18	19	21	40
<i>Cibrostomoides sphaerilocula</i> (Cushman, 1910)				1	3	2
<i>Cornuloculina inconstans</i> (Brady, 1879)	3	1	12	1	1	3
<i>Cystammina pauciloculata</i> (Brady, 1879)				1		
<i>Dentalina</i> sp.			1			
<i>Eggerella bradyi</i> (Cushman, 1911)	2		2	2	2	4
<i>Ehrenbergina trigona</i> Goës, 1896	3					
<i>Epistominella exigua</i> (Brady, 1884)	10	3	6	6	4	5
<i>Fissurina semimarginata</i> (Reuss, 1870)	1	1	4	2	1	1
<i>Fissurina seminiformis</i> (Schwager, 1866)			1			
<i>Fissurina</i> spp.	18	16	16	7	11	22

Station	4	7	12	19	21	23
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
Split	3/32	3/16	3/8	1/16	3/32	3/32
<i>Frondicularia</i> sp.	1					
<i>Fursenkoina</i> cf. <i>pauciloculata</i> (Brady, 1884)		1		2	4	4
<i>Fursenkoina</i> <i>texturata</i> (Brady, 1884)	3		2		1	
<i>Galwayella</i> cf. <i>trigonoornata</i> (Brady, 1881)	1					
<i>Gavelinopsis translucens</i> (Phleger & Parker, 1951)	1	6	5	2	8	4
<i>Geminiella gibbera</i> (Buchner, 1940)	1	1	1			1
<i>Globocassidulina crassa</i> (d'Orbigny, 1839)	1			1		
<i>Globocassidulina subglobosa</i> (Brady, 1881)	14	6	7	4	6	3
<i>Glomospira gordialis</i> (Jones & Parker, 1860)	1		1	1	2	1
<i>Gyroidina polia</i> (Phleger & Parker, 1951)	3	2	2	6	8	10
<i>Gyroidina umbonata</i> (Silvestri, 1898)	1	1		1		
<i>Halophragmoides</i> sp.						1
<i>Hansenisca soldanii</i> (d'Orbigny, 1826)	4	2	6	3	6	9
<i>Heterolepa bradyi</i> (Trauth, 1918)	2		1	2		
<i>Hoeglundina elegans</i> (d'Orbigny, 1826)	3			56	45	43
<i>Hyperammina</i> sp. 1			1			
<i>Hyperammina</i> sp. 2			1			
<i>Ioanella tumidula</i> (Brady, 1884)	1	1	1	3	2	
<i>Karreriella bradyi</i> (Cushman, 1911)	2					
<i>Laevidentalina haueri</i> (Neugeboren, 1856)		1			1	
<i>Lagena</i> spp.	2		1	4	3	3
<i>Lagenammina</i> spp.			1			
<i>Lagenosolenia radiata</i> (Rhumbler, 1949)		1	2			
<i>Laticarinina pauperata</i> (Parker & Jones, 1865)	1	4	1	5	12	9
<i>Lenticulina convergens</i> (Bornemann, 1855)			3	1	1	
<i>Melonis affinis</i> (Reuss, 1851)	3	2		5	2	
<i>Melonis pompilioides</i> (Fichtel & Moll, 1798)	2	3		1		1
<i>Miliolinella</i> sp.	1	2	2			3
<i>Miliolinella</i> spp.					2	1
<i>Miliolinella subrotunda</i> (Montagu, 1803)	4		7			3
<i>Nodosaria</i> sp.						1
<i>Oolina</i> spp.	4	3	2	2		4
<i>Oolina stelligera</i> (Brady, 1881)	2		4		2	
<i>Oridorsalis umbonatus</i> (Reuss, 1851)	3	1	1	2	1	1

Station	4	7	12	19	21	23
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
Split	3/32	3/16	3/8	1/16	3/32	3/32
<i>Osangularielloides rugosus</i> (Phleger & Parker, 1951)	2	2	5	8	6	
<i>Parafissurina</i> spp.	7	2	6	5	3	1
<i>Pararotalia</i> sp.						1
<i>Patellina corrugata</i> Williamson, 1858	1					1
<i>Placopsilina/Placopsilinella</i> spp.		1	1	2		
<i>Polymorphina</i> spp				2		1
<i>Portatrochammina karica</i> (Shchedrina, 1946)				1		
<i>Psammophax consociata</i> Rhumbler, 1931				2		
<i>Psammosphaera fusca</i> Schulze, 1875			4			
<i>Psammosphaera</i> spp.			2		1	
<i>Pseudotriloculina cyclostoma</i> (Reuss, 1850)				1		
<i>Pullenia bulloides</i> (d'Orbigny, 1846)	2	3	3	9	4	8
<i>Pullenia subcarinata</i> (d'Orbigny, 1839)	6	4	4	8	4	7
<i>Pyrgo comata</i> (Brady, 1881)						1
<i>Pyrgo lucernula</i> (Schwager, 1866)	1	1		6	4	6
<i>Pyrgo murrhina</i> (Schwager, 1866)	1	4		6	1	2
<i>Pyrgo</i> spp.	4				2	3
<i>Pyrgoella irregularis</i> (d'Orbigny, 1839)	1	2	6	5	4	
<i>Pyrgoella sphaera</i> (d'Orbigny, 1839)	1					
<i>Pyrulina angusta</i> (Egger, 1857)				1		4
<i>Pyrulina fusiformis</i> (Roemer, 1838)					1	
<i>Pyrulina</i> sp.			1		1	1
<i>Quinqueloculina seminulum</i> (Linnaeus, 1758)	12	2	4	1		
<i>Quinqueloculina</i> sp. 1	1			2		
<i>Quinqueloculina</i> sp. 2	3					
<i>Quinqueloculina</i> sp. 3	4	1			1	
<i>Quinqueloculina</i> spp.	6	5	3		3	6
<i>Quinqueloculina stalker</i> i Loeblich & Tappan, 1953		1	1	1	2	
<i>Quinqueloculina venusta</i> Karrer, 1868	1		2	3	1	
<i>Quinqueloculina weaveri</i> Rau, 1948	30	81	30	4	2	6
<i>Reophax agglutinatus</i> Cushman, 1913	5					
<i>Reophax bilocularis</i> Flint, 1899		1	5	14	8	5
<i>Reophax scorpiurus</i> Montfort, 1808				5	1	3
<i>Reophax</i> spp.		1	2	3	6	2

Station	4	7	12	19	21	23
Sediment depth [cm]	0-1	0-1	0-1	0-1	0-1	0-1
Split	3/32	3/16	3/8	1/16	3/32	3/32
<i>Reophax subdentaliniformis</i> Parr, 1950					1	
<i>Rhizammina algaeformis</i> Brady, 1879			8	6	15	32
<i>Rhizammina</i> sp. 1			1	1	1	1
<i>Rhizammina</i> spp.			1		1	
<i>Robertina translucens</i> Cushman & Parker, 1936	1	1	3		4	11
<i>Rosalina</i> spp.	1			2		
<i>Rotorbis</i> cf. <i>auberii</i> (d'Orbigny, 1839)	5	2	3			
<i>Saccammina sphaerica</i> Brady, 1871				2		
<i>Saccorhiza ramosa</i> (Brady, 1879)	4		13	2	2	5
<i>Sigmoilina sigmoidea</i> (Brady, 1884)	9	19	3			
<i>Sigmoilopsis schlumbergeri</i> (Silvestri, 1904)	2				1	1
<i>Siphotextularia</i> sp.					1	
<i>Spirophthalmidium acutimargo</i> (Brady, 1884)	2		10	2	2	11
<i>Spirosigmoilina pusilla</i> (Earland, 1934)	58	51	38	1		5
<i>Subreophax aduncus</i> (Brady, 1882)			1			
<i>Textularia sagittula</i> (DeFrance, 1824)	4		1	2	1	3
<i>Thurammina papillata</i> Brady, 1879			3		1	1
<i>Trifarina angulosa</i> (Williamson, 1858)					1	1
<i>Trifarina bradyi</i> Cushman, 1923				1		
<i>Triloculina</i> spp.	1		3			3
<i>Triloculina tricarinata</i> d'Orbigny in Deshayes, 1832	2	1	9	11	10	14
<i>Triloculina trigonula</i> (Lamarck, 1804)	3	8				
<i>Triloculinella obliquinodus</i> Riccio, 1950		6	1	2	1	2
<i>Trochammina</i> spp.			2		2	3
<i>Trochamminoides</i> sp.			2			
<i>Uvigerina auberiana</i> d'Orbigny, 1839	5	1	1	3	4	2
<i>Uvigerina peregrina</i> Cushman, 1923	1		1			
<i>Vaginulina</i> sp.			1			
<i>Valvulineria minuta</i> (Schubert, 1904)				1	2	1
Unidentified agglutinated foraminifera			2			2
Unidentified hyalines	1	2	4		2	8
Unidentified miliolids	1	2	1	1		4
total	336	294	368	317	305	413

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