Table 3. Distribution chart of planktonic foraminifera from the Himi Group.

NADAURA AREA

SPECIES \ SAMPLE	NDU 1	NDU 5	NDU 7	NDU 13	NDU 16	NDU 17	NDU 18	NDU 19	YKT 9	YKT 10	YKT 11	YKT 14
Globigerina apertura Cushman											1	
G. bulloides d'Orbigny	35	15	12	22	51	50	16	65	6	19	52	11
G. cf. bulloides d'Orbigny												
G. calida Parker			2									
G. canariensis Reuss	1		4	1	1	4		1	9	17		
G. falconensis Blow							2	1				
G. cf. falconensis Blow				1	3	1		1				
G. incompta Cifelli (dextral)	29	57	72	64	40	65	112	140	16	47	41	21
G. incompta Cifelli (sinistral)	10	11	22	60	40	20	44	18	17	34	2	4
G. pachyderma (Ehrenberg) (dextral)	16	101	64	125	52	5	17	74	49	33	60	9
G. pachyderma (Ehrenberg) (sinistral)	6	29	39	65	17	[illegible]	14	13	25	9	6	2
G. pardulloides Blow			1	12	3	9	26	7		9	4	
G. quinqueloba Natland	71	76	178	94	63	85	193	88	1	14	53	67
G. cf. quinqueloba Natland				1	1	2						
G. rubescens Hofker					2		1					
G. umbilicata Orr and Zaitzeff		10	5	4	2	7	3	2	4	4		
G. woodi Jenkins		28	16	29	14	18	10	13			24	
G. cf. woodi Jenkins												
G. (Beela) digitata praedigitata Parker												
G. sp.							61					
Globigerinella aequilateralis (Brady)												
Globigerinoides conglobatus (Brady)												
G. extremus Bolli and Bermúdez												
G. gemitulus (Seguenza)					1							
G. quadrilobatus immaturus LeRoy		1				p	2					
G. quadrilobatus trilobus (Reuss)												
G. obliquus Bolli												
G. ruber (d'Orbigny)		1										
G. tenellus Parker												
Globigerinita glutinata (Egger)	31	6	4	31	35	11	45	25	75	29	2	11
G. cf. glutinata (Egger)												
G. uvula (Ehrenberg)			4	5	4	2	6	15	5	3		4
Orbulina universa d'Orbigny						p				6		
Biorbulina bilobata (d'Orbigny)										2	1	
Globoquadrina asanoi Maiya, Saito and Sato						6	7					
G. dutertrei (d'Orbigny)		4				p						
G. eggeri (Rhumbler)												
G. himiensis Maiya, Saito and Sato			1			p						
G. humerosa (Takayanagi and Saito)		4										
G. kagaensis Maiya, Saito and Sato		8	2			4	2	1				10
G. sp.		17	2		9	28	70			1		5
Globorotalia acostaensis Blow												
G. cultrata (d'Orbigny)												
G. inflata inflata (d'Orbigny)		3			106							24
G. inflata praeinflata Maiya, Saito and Sato		3			5							
G. inflata (d'Orbigny) var.				5	11		4	24				
G. cf. inflata (d'Orbigny)						1						
G. obesa Bolli		1		1	1		1	14		7	1	
G. orientalis Maiya, Saito and Sato		1										1
G. pumilio Parker												
G. scitula (Brady)	1		1		4		7	6		1		
G. cf. scitula (Brady)												
G. sp. A												
G. sp.			1	2	1		6	1		1		
Turborotalita humilis (Brady)												
T. cf. humilis (Brady)			4									
Pulleniatina obliquiloculata												
MISCELLANEOUS	18	42	5	32	51	26	63	143	3	20	44	14
Total Planktonic Foraminifera (actually counted)	232	504	451	498	523	364	693	648	315	475	273	205
Weight (g)	1.75	0.04	0.31	2.50	0.27	1.25	0.27	0.15	80.0	5.00	0.63	0.01
Planktonic Foraminiferal Number	168	12600	1455	199	1937	291	2567	4320	2100	85	433	20500

HIMI AREA

SPECIES \ SAMPLE	ASH 3	5	6	7	8	9	10	11	12	13	15	17	19	21
Globigerina apertura Cushman														
G. bulloides d'Orbigny	16	4	70	129	106	33	35	170	10	20	25	82	24	90
G. cf. bulloides d'Orbigny														
G. calida Parker														
G. canariensis Reuss				1	6		1	6						19
G. falconensis Blow			3	1		2		1		2				
G. cf. falconensis Blow														
G. incompta Cifelli (dextral)	53	12	19	26	34	19	76	7			16	15	47	55
G. incompta Cifelli (sinistral)	16	11	2	18	16		28		1		6	11	46	17
G. pachyderma (Ehrenberg) (dextral)	75	27	34	65	31	29	13	4			22	9	1	
G. pachyderma (Ehrenberg) (sinistral)	10	5	3	62	35	25	6				2	7		3
G. pardulloides Blow		3	11	21	3	3	5	4	2					
G. quinqueloba Natland	36	18	65	96	48	69	72	130	267	151	17	63	74	54
G. cf. quinqueloba Natland														
G. rubescens Hofker	1					2		11	19					
G. umbilicata Orr and Zaitzeff	1	1	8	2	2	2		5						
G. woodi Jenkins	1	3	5	31	1									
G. cf. woodi Jenkins								11	10					
G. (Beela) digitata praedigitata Parker							1							
G. sp.														
Globigerinella aequilateralis (Brady)														
Globigerinoides conglobatus (Brady)														
G. extremus Bolli and Bermúdez														
G. gemitulus (Seguenza)			1											
G. quadrilobatus immaturus LeRoy	1							1						
G. quadrilobatus trilobus (Reuss)									1					
G. obliquus Bolli									1		1	1		
G. ruber (d'Orbigny)														
G. tenellus Parker														
Globigerinita glutinata (Egger)		8	1	2	8	4	6	4	1		6	3	5	[illegible]
G. cf. glutinata (Egger)														
G. uvula (Ehrenberg)	10	8	4				4		7	3		6	2	
Orbulina universa d'Orbigny														
Biorbulina bilobata (d'Orbigny)														
Globoquadrina asanoi Maiya, Saito and Sato	12	4	41											
G. dutertrei (d'Orbigny)											4			
G. eggeri (Rhumbler)														
G. himiensis Maiya, Saito and Sato	8	1	2											
G. humerosa (Takayanagi and Saito)														
G. kagaensis Maiya, Saito and Sato	10	7	22											
G. sp.	53	4	36		14	2	6				16	20	7	
Globorotalia acostaensis Blow	1													
G. cultrata (d'Orbigny)														
G. inflata inflata (d'Orbigny)	6	69	49	1			12					7	1	
G. inflata praeinflata Maiya, Saito and Sato		10	1											
G. inflata (d'Orbigny) var.	69					1								
G. cf. inflata (d'Orbigny)	7										4			1
G. obesa Bolli								1						
G. orientalis Maiya, Saito and Sato														
G. pumilio Parker	1													
G. scitula (Brady)				1			1				1	1	5	2
G. cf. scitula (Brady)														
G. sp. A														
G. sp.	5							1	1					
Turborotalita humilis (Brady)														
T. cf. humilis (Brady)														
Pulleniatina obliquiloculata														
MISCELLANEOUS	9	7	[illegible]	5	6	44	75	165	17	[illegible]	16	22	[illegible]	[illegible]
Total Planktonic Foraminifera (actually counted)	400	210	[illegible]	470	[illegible]	[illegible]	[illegible]	509	[illegible]	[illegible]	[illegible]	258	207	[illegible]
Weight (g)	[illegible]	0.16	0.06	0.00	0.16	0.18	1.25	0.60	49.9	5.00	40.0	2.50	5.00	40.0
Planktonic Foraminiferal Number	110	[illegible]	[illegible]	[illegible]	1954	1904	[illegible]	600	16	[illegible]	1	[illegible]	[illegible]	1

OYABE AREA

SPECIES \ SAMPLE	Northern part EBS 2	SZK 1	SZK 3	IKB 6	TGW 4	TGW 10	TGW 11	Southern part HNY 1	HKD 2	GRN 1	HTU 3
Globigerina apertura Cushman											
G. bulloides d'Orbigny	59	55	29	19	70	36	76	44	18	44	50
G. cf. bulloides d'Orbigny	11							3		5	
G. calida Parker											
G. canariensis Reuss		105	3	1		1					
G. falconensis Blow	1										
G. cf. falconensis Blow											
G. incompta Cifelli (dextral)	1	16	17	55	22		21		7	22	31
G. incompta Cifelli (sinistral)	72	28	9	7	19	3	19	7	4	10	21
G. pachyderma (Ehrenberg) (dextral)	4	10	7	12	11	5		1	5	3	
G. pachyderma (Ehrenberg) (sinistral)	1				1	1		51	50	4	1
G. pardulloides Blow											
G. quinqueloba Natland	12	5	3	17	95	129	141	27	58	76	103
G. cf. quinqueloba Natland					2						
G. rubescens Hofker											
G. umbilicata Orr and Zaitzeff											
G. woodi Jenkins								1		7	2
G. cf. woodi Jenkins											
G. (Beela) digitata praedigitata Parker											
G. sp.				3							
Globigerinella aequilateralis (Brady)											
Globigerinoides conglobatus (Brady)											
G. extremus Bolli and Bermúdez											
G. gemitulus (Seguenza)											
G. quadrilobatus immaturus LeRoy											
G. quadrilobatus trilobus (Reuss)											
G. obliquus Bolli											2
G. ruber (d'Orbigny)											
G. tenellus Parker											
Globigerinita glutinata (Egger)		4		8	47	4	2	7	19	12	7
G. cf. glutinata (Egger)					1	2					
G. uvula (Ehrenberg)		2		1			1	4			2
Orbulina universa d'Orbigny											
Biorbulina bilobata (d'Orbigny)											
Globoquadrina asanoi Maiya, Saito and Sato											
G. dutertrei (d'Orbigny)											
G. eggeri (Rhumbler)											
G. himiensis Maiya, Saito and Sato											
G. humerosa (Takayanagi and Saito)											
G. kagaensis Maiya, Saito and Sato				8							
G. sp.	76		16	16	9	26		15		7	7
Globorotalia acostaensis Blow											
G. cultrata (d'Orbigny)											
G. inflata inflata (d'Orbigny)	100		70	20							
G. inflata praeinflata Maiya, Saito and Sato											
G. inflata (d'Orbigny) var.	1	12									
G. cf. inflata (d'Orbigny)											
G. obesa Bolli			1					1			
G. orientalis Maiya, Saito and Sato											
G. pumilio Parker				1							
G. scitula (Brady)											
G. cf. scitula (Brady)											
G. sp. A											
G. sp.											
Turborotalita humilis (Brady)											
T. cf. humilis (Brady)											
Pulleniatina obliquiloculata											
MISCELLANEOUS	11	12		6	21	5	[illegible]	14	5	40	70
Total Planktonic Foraminifera (actually counted)	[illegible]	[illegible]	165	136	[illegible]	240	255	167	[illegible]	[illegible]	254
Weight (g)	25.0	0.16	40.0	40.0	[illegible]	0.6	2.50	5.00	40.0	1.06	0.04
Planktonic Foraminiferal Number	15	[illegible]	4	5	479	466	102	[illegible]	[illegible]	121	210

KANAZAWA AREA

SPECIES \ SAMPLE	TKN 2	FTN 2	TFT 9	HMG 1	KNC 7	CHS 2	OHR T	OHR 1	OHR 2	OHR 3	OHR 4	OHR 5	OHR 6	OHR 7	OHR 9	OHR 10	OHR 11	OHR 13	OHR 14	OHR 15	OHR 16	OHR 17	OHR 18	OHR 19	HKD 1	HKD 2
Globigerina apertura Cushman																										
G. bulloides d'Orbigny	39	21	44	[illegible]	21	196	71	30	110	73	106	69	77	49	69	14	45	41	17	51	2	6	4	5	51	15
G. cf. bulloides d'Orbigny	1																									
G. calida Parker																										
G. canariensis Reuss		1					2					6	2	4									1			
G. falconensis Blow			2			6	2						1				1							1		
G. cf. falconensis Blow																										
G. incompta Cifelli (dextral)	35	31	13	5	9	23	1	16	4	59	9	13	24	32	16	18	10	14	20	7	5	63	17	3	4	3
G. incompta Cifelli (sinistral)	16	13	6	6	43	1	5	30	10	9	2	6	7	24	1	83	32	70	69	22	16	21	18	3		3
G. pachyderma (Ehrenberg) (dextral)		1		1				5	1	6		5				3	11		4		1	2				
G. pachyderma (Ehrenberg) (sinistral)	1			22	16		1	54				1	2		3	31	62	23	56	12	7	5	3			
G. pardulloides Blow							18			9							5		4							
G. quinqueloba Natland	14	52	92	187	109	37	8	94	51	41	66	166	78	29	132	57	90	61	100	72	119	92	166	20	26	13
G. cf. quinqueloba Natland																										
G. rubescens Hofker			1													7			2	3				1		
G. umbilicata Orr and Zaitzeff									1																	
G. woodi Jenkins			21												44											
G. cf. woodi Jenkins																										
G. (Beela) digitata praedigitata Parker																										
G. sp.																								3	1	
Globigerinella aequilateralis (Brady)																		p								
Globigerinoides conglobatus (Brady)																		p	p							
G. extremus Bolli and Bermúdez											1	1			p											
G. gemitulus (Seguenza)													1													
G. quadrilobatus immaturus LeRoy					1		1	1	2									p				5	3			
G. quadrilobatus trilobus (Reuss)																					1					
G. obliquus Bolli			1									1	1													
G. ruber (d'Orbigny)		1	2	1				3	6	1	[illegible]	1	6	4	[illegible]	4	11	13	7	24	7	12	6	5		
G. tenellus Parker																	2			3	1					
Globigerinita glutinata (Egger)	1		20		5	1	1	1				7		1			1			2			2	1	1	
G. cf. glutinata (Egger)																										
G. uvula (Ehrenberg)	1		6	1	4			5				2		1		13	5					7	14		7	
Orbulina universa d'Orbigny															p			2	2	1						
Biorbulina bilobata (d'Orbigny)																										
Globoquadrina asanoi Maiya, Saito and Sato																										
G. dutertrei (d'Orbigny)																		p	3		11					
G. eggeri (Rhumbler)																			1							
G. himiensis Maiya, Saito and Sato																										
G. humerosa (Takayanagi and Saito)				1		1			p			3		3	p	p	6	p	p	1			2			
G. kagaensis Maiya, Saito and Sato																										
G. sp.	3	11	9	16					14		7	21		9			6	2		1		1	4		7	
Globorotalia acostaensis Blow																										
G. cultrata (d'Orbigny)																				2						
G. inflata inflata (d'Orbigny)																p					16	9				
G. inflata praeinflata Maiya, Saito and Sato																										
G. inflata (d'Orbigny) var.							41																			
G. cf. inflata (d'Orbigny)																										
G. obesa Bolli													5			7	1					1				
G. orientalis Maiya, Saito and Sato																										
G. pumilio Parker																										
G. scitula (Brady)					1									1												
G. cf. scitula (Brady)							3																			
G. sp. A																										
G. sp.																										
Turborotalita humilis (Brady)																					1				1	
T. cf. humilis (Brady)															p	p			p				2			
Pulleniatina obliquiloculata																										
MISCELLANEOUS	46	31	11	[illegible]	5	1	50		41	[illegible]	[illegible]	20	11	66	1	16	[illegible]	14	29	[illegible]	2	15	12	4	46	16
Total Planktonic Foraminifera (actually counted)	250	109	215	265	[illegible]	216	306	[illegible]	40	[illegible]	210	[illegible]	215	205	[illegible]	256	310	[illegible]	309	201	109	235	254	[illegible]	100	50
Weight (g)	10.0	20.0	10.0	10.0	10.0	10.0	5.60	10.0	7.54	40.0	40.0	10.0	40.0	41.0	5.00	5.00	40.0	0.50	[illegible]	2.50	15.0	40.0	40.0	40.0	40.0	40.0
Planktonic Foraminiferal Number	[illegible]	5	23	37	[illegible]	[illegible]	61	4	32	3	[illegible]	42	[illegible]	[illegible]	50	51	4	255	1.4	60	11	6	3	1	4	1

(p: present)

Table 3. Distribution chart of planktonic foraminifera

SPECIES \ SAMPLE	NADAURA AREA												HIMI AREA													
	H D H								Y B T				A S H													
	1	5	7	13	16	17	18	19	9	10	11	14	3	5	6	7	8	9	10	11	12	14	15	17	19	21
Globigerina apertura Cushman											1							2								
G. *bulloides* d'Orbigny	35	35	12	22	51	60	36	44	6	14	52	17	16	4	70	138	106	93	35	170	10	20	23	82	34	42
G. cf. *bulloides* d'Orbigny		2																								
G. *calida* Parker			2																							
G. *conglobatus* Reuss	1		4	1	3	4		3	9	12						1	6		1	6						10
G. *falconensis* Blow							2	3							3	1		2		1		2				
G. cf. *falconensis* Blow				1	3	1		1																		
G. *incompta* Cifelli (dextral)	24	57	72	60	80	45	112	149	18	33	41	21	53	12	19	26	34	19	76	7			16	15	47	35
G. *incompta* Cifelli (sinistral)	10	11	32	60	40	20	44	18	17	38	2	4	16	11	2	18	16		20		1		6	11	46	17
G. *pachyderma* (Ehrenberg) (dextral)	36	141	64	135	52	25	37	73	49	33	48	9	75	27	34	65	31	29	13	4			22	9	1	
G. *pachyderma* (Ehrenberg) (sinistral)	6	29	39	65	17	3	14	13	25	9	6	2	10	5	3	62	35	25	6				3	7		3
G. *parabulloides* Blow			3	13	3	29	24	7		3	4			3	11	21	3	3	6	4	2					
G. *quinqueloba* Natland	71	76	178	34	63	85	193	88	1	14	53	87	38	18	65	96	48	89	72	130	267	151	17	63	74	34
G. cf. *quinqueloba* Natland				1	1	2																				
G. *ruberoides* Hofker					2		1						3					2	3	12	19					
G. *umbilicata* Orr and Zaitzeff		14	5	4	2	7	3	2	4	4			1	1	8	2	3	2		5						
G. *woodi* Jenkins		28	16	24	14	18	10	13			24		1	3	5	31	1									
G. cf. *woddi* Jenkins																				11	10					
G. *(Beela) digitata praedigitata* Parker																			1							
G. sp.							63																			
Globigerinella aequilateralis (Brady)																										
Globigerinoides conglobatus (Brady)																										
G. *extremus* Bolli and Bermúdez																										
G. *gomitulus* (Seguenza)					1										1											
G. *quadrilobatus immaturus* LeRoy		1				p	2						1							1						
G. *quadrilobatus trilobus* (Reuss)																										
G. *obliquus* Bolli																					1					
G. *ruber* (d'Orbigny)		1																			1		1	1		
G. *tenellus* Parker																										
Globigerinita glutinata (Egger)	31	6	4	31	35	11	45	25	75	29	2	11		8	1	2	8	4	6	4	1		6	8	5	2
G. cf. *glutinata* (Egger)											2															
G. *uvula* (Ehrenberg)			4	5	4	2	6	15	5	3		4	10	8	4				4		2	1		6	2	4
Orbulina universa d'Orbigny						p				6																
Biorbulina bilobata (d'Orbigny)										2	1															
Globoquadrina asanoi Maiya, Saito and Sato						6	7						12	4	43											
G. *dutertrei* (d'Orbigny)		4				p																	4			
G. *eggeri* (Rhumbler)																										
G. *himiensis* Maiya, Saito and Sato			1			p							8	1	2											
G. *humerosa* (Takayanagi and Saito)		4																								
G. *hagenensis* Maiya, Saito and Sato		8	2			4	2	1				10	10	7	22											
G. sp.		37	2		9	28	70			1		5	53	4	36		14	2	8			2	14	20	7	3
Globorotalia acostaensis Blow													1													2
G. *cultrata* (d'Orbigny)																										
G. *inflata inflata* (d'Orbigny)		3			106							24	8	69	49	1			13	2				7	1	
G. *inflata praeinflata* Maiya, Saito and Sato		3			5									18	1											
G. *inflata* (d'Orbigny) var.				5	11		4	24					69					1								
G. cf. *inflata* (d'Orbigny)						1							2										4			1
G. *obesa* Bolli		1		1	3		1	14		7	1								5	1	1	1				
G. *orientalis* Maiya, Saito and Sato		1										1														
G. *pomilio* Parker													3													
G. *scitula* (Brady)	1		1		4		7	6		1						1	3	3	1			1	1	5	2	
G. cf. *scitula* (Brady)																										2
G. sp. A																										
G. sp.			1	2	1		6	1		1			5						4	1	1	2				
Turborotalita humilis (Brady)																								2		
T. cf. *humilis* (Brady)			4																							
Pulleniatina obliquiloculata																										
MISCELLANEOUS	18	42	5	32	53	24	63	143	3	20	44	14	9	7	2	5	6	40	78	145	67	120	10	22	16	250
Total Planktonic Foraminifera (actually counted)	232	504	451	498	523	364	693	649	315	425	273	205	400	210	381	478	413	417	961	509	501	502	132	258	297	429
Weight (g)	1.25	0.04	0.31	2.50	0.27	1.25	0.27	0.15	80.0	5.00	0.03	0.01	0.04	0.16	0.04	0.08	0.14	0.10	1.25	0.04	40.0	5.00	40.0	2.50	5.00	40.0
Planktonic Foraminiferal Number	168	12600	1455	199	1937	291	2567	4320	2100	85	433	20500	110	1113	9525	5875	1956	1981	209	400	16	4	3	104	5	12

(p: present)

from the Himi Group.

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