

Supplementary File A. Down-core data of absolute abundances and mean valve area for *Fragilariopsis kerguelensis* from sediment core MD97-2101 (Indian SSTF).

Core MD97-2101	Core Depth	Cal Age	F. kerguelensis Area (μm^2)	F. kerguelensis absolute abundances (10^6 valves/g)	F. kerguelensis biogenic silica
	0	3.4341	276.24	2.53	697.90
	5	3.9338	292.88	2.57	751.82
	10	4.6000	258.97	3.47	899.77
	15	5.2663	278.57	2.27	632.19
	20	5.9325	257.28	4.28	1101.43
	25	6.5988	277.40	2.06	570.75
	30	7.2738	269.62	3.76	1013.26
	35	8.0015	266.54	2.49	663.13
	40	8.7380	270.74	1.95	529.06
	45	9.4745	297.95	2.38	709.89
	50	10.2110	291.44	1.31	382.08
	55	10.9475	281.69	1.94	546.49
	60	11.6840	294.56	1.40	411.43
	65	12.4205	276.18	1.95	538.36
	70	13.1570	293.59	1.51	443.08
	75	13.8935	300.05	2.40	720.09
	80	14.5958	292.97	1.24	362.50
	85	15.0925	309.77	2.69	832.50
	90	15.5550	278.47	2.67	742.28
	95	16.0175	311.58	3.58	1116.74
	100	16.4800	329.16	1.19	393.05
	105	16.9425	329.16	3.11	1025.08
	110	17.4050	324.40	4.08	1324.46
	115	17.8675	336.34	2.89	973.01
	120	18.3300	339.28	2.85	968.54
	125	18.7925	336.02	3.98	1337.76
	130	19.2550	335.82	2.39	802.80
	135	19.7175	342.47	4.06	1388.78
	140	20.1800	332.89	1.51	503.08
	145	20.6425	301.47	2.32	699.70
	150	21.3273	326.61	1.11	364.12
	155	23.3458	295.11	2.57	757.74
	160	25.5867	304.88	1.81	550.67
	165	27.8275	296.03	2.33	688.90
	170	30.0683	327.08	1.70	554.86
	175	32.3092	317.11	2.22	702.52
	180	34.3719	315.94	2.02	638.86
	185	35.3658	304.67	3.21	977.98
	190	36.1817	368.32	2.58	948.63

	195	36.9975	316.52	3.42	1081.84
	200	37.8133	309.63	1.82	564.00
	205	38.6292	333.48	2.45	816.73
	210	39.4450	339.81	2.42	822.56
	215	40.2608	344.94	3.47	1197.74
	220	41.0767	295.36	1.54	455.65

Supplementary Files B. Detailed dataset of ANOVA tests summary conducted for mean valve area of *F. kerguelensis* for sediment core MD97-2101 used for the study across the different climatic periods (Holocene, deglacial and glacial).

Anova: Single Factor (Indian SSTF Holocene vs Deglacial Area)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Holocene Area	1000	274619.1	274.6191	15655.54		
Indian SSTF Deglacial Area	1100	325944.2	296.3129	17372.87		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	246515.3	1	246515.3	14.89057	0.000117	3.845895
Within Groups	34732671	2098	16555.13			
Total	34979186	2099				
Anova: Single Factor (Indian SSTF Holocene vs Glacial Area)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Holocene Area	1000	274619.1	274.6191	15655.54		
Indian SSTF Glacial Area	2400	777335.4	323.8897	19974.63		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	1713596	1	1713596	91.61245	1.96E-21	3.844197
Within Groups	63559027	3398	18704.83			
Total	65272623	3399				
Anova: Single Factor (Indian SSTF Glacial vs Deglacial Area)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Glacial Area	2400	777335.4	323.8897	19974.63		
Indian SSTF Deglacial Area	1100	325944.2	296.3129	17372.87		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	573620.6	1	573620.6	29.9428	4.76E-08	3.844118
Within Groups	67011933	3498	19157.21			
Total	67585554	3499				

Data for different Climatic Periods

Holocene	Glacial	Deglacial
114.1796	473.928	131.7389
125.0866	431.6184	347.8173
182.2985	539.9912	187.9
148.9992	254.6854	143.3203
316.736	189.391	339.9228
574.1362	202.7658	193.9392
146.944	197.8685	467.077
132.0676	433.6074	139.2235
297.2235	353.0338	170.2704
246.3667	400.2835	314.519
310.7675	162.1171	496.8243
258.6408	303.8784	452.5681
358.7162	216.9112	76.71888
190.5523	237.244	347.9238
433.1475	255.2475	166.503
333.72	572.448	225.1824
414.6722	296.1819	136.4361
189.0274	253.8547	349.0976
157.8242	246.5523	459.7365
191.1494	279.7261	486.1186
127.488	233.0748	247.3065
339.2886	146.0553	214.0938
310.7693	284.6643	363.3408
374.8499	263.0376	330.1224
255.9072	433.6992	434.4066
171.4381	388.4972	250.1034
293.4283	443.6224	457.563
249.8099	227.2256	337.9942
222.6682	226.5859	192.3021
329.0521	362.518	107.1773
278.763	378.0058	79.1152
253.4292	272.7763	250.6002
384.9629	500.5446	343.8652
78.23016	354.5552	163.3094
291.3206	459.5771	329.9718
274.7606	305.97	434.2188
273.8669	517.6326	265.7485
349.3148	488.8301	129.0372
337.032	232.7734	86.898
70.664	262.2936	292.0392
226.7813	173.0119	544.8643
196.6418	381.9816	244.8555
182.9124	214.9246	277.5926
382.225	288.983	187.6616
367.6928	176.3424	191.7157
311.5164	275.1795	345.721

123.951	282.7152	211.9536
689.784	248.3824	264.656
190.3378	440.8002	293.8001
321.2551	627.3758	318.024
194.7155	242.0434	309.6965
283.3835	443.7077	252.424
217.7172	282.296	368.4799
613.0018	315.664	564.5715
356.711	560.0563	320.784
145.2054	208.4695	284.1482
273.4296	594.2335	97.0416
521.9398	500.7117	143.2317
580.074	243.2448	219.2893
388.543	455.377	145.1027
293.2278	243.2102	176.2622
199.92	403.8534	378.7612
263.8563	180.8333	246.6259
120.3552	459.9765	185.4578
276.1472	233.5424	245.2745
499.9944	223.4918	221.5933
170.493	414.8784	251.2914
354.5692	367.367	764.0714
89.1824	262.9018	204.49
159.8904	520.921	344.6308
218.5747	351.3176	347.1847
92.29904	320.5998	453.4878
137.9851	468.2648	285.0848
209.496	351.0402	161.591
280.9325	264.8888	295.6413
146.6492	464.256	302.0451
207.5392	341.9088	381.3742
345.6986	460.3379	143.5837
338.0256	337.716	286.6571
409.311	185.8658	98.2576
162.8769	187.2538	736.7786
190.1695	289.5939	482.4307
163.3411	125.9149	352.3867
444.0923	292.8432	330.0426
365.3	144.0518	89.64384
351.2594	326.2985	207.0779
390.4846	259.9709	258.7666
465.6101	225.8085	287.6806
627.2358	180.8373	217.4571
77.0904	208.5811	353.1702
299.3292	672.3704	259.3416
234.7296	151.3154	321.4131
188.9024	267.4522	126.985
412.1302	265.4893	513.024
259.3195	490.0296	513.7291

334.1992	358.0049	288.6346
277.2986	716.7499	489.0086
174.6909	291.7008	478.7605
180.8395	294.1876	305.7634
253.3827	271.5866	231.2838
310.1672	218.7949	195.9194
346.3846	229.3272	562.1382
382.2058	308.4245	110.2464
201.4566	357.8995	354.4042
264.0492	383.6544	244.1997
302.85	197.211	607.2692
327.3965	354.0566	167.6064
280.2996	166.1866	348.5108
190.8924	334.1929	108.2984
174.8766	142.7882	113.4452
463.386	193.5864	336.2304
300.7437	199.4812	199.4496
560.3159	406.6373	400.7054
149.8232	493.1083	212.7669
231.2825	256.2816	246.5944
376.9426	390.6504	254.901
258.4375	304.2612	148.343
449.5046	241.8312	516.4709
418.2221	705.3798	214.082
413.7884	338.9977	110.1259
287.4427	637.5686	466.8257
171.7144	467.2176	67.17936
100.0473	230.7782	412.0824
429.0528	602.1332	320.2968
224.5181	477.1613	160.1357
350.0851	365.7132	322.6464
298.1345	221.1398	595.5444
305.4002	171.396	112.9997
347.3517	326.5741	593.384
308.1325	309.6238	335.2096
291.4213	166.29	232.3196
123.6323	495.869	274.4935
229.1735	192.6053	150.9816
152.6057	121.081	276.2613
173.8312	475.8941	315.1512
194.913	485.9298	451.3997
172.5542	237.0816	437.5765
101.1968	122.9626	140.5808
401.3408	280.1216	447.4318
89.6784	517.562	259.1198
370.0197	248.6631	213.2597
105.4035	194.22	175.0392
642.007	222.2611	130.2168
373.4275	305.2087	318.71

284.2488	299.8714	274.8928
127.2272	398.8756	343.3072
331.4714	144.0576	433.1454
283.9197	409.4129	358.0608
529.317	371.1456	539.4488
263.2272	489.687	314.7216
286.9658	207.1144	245.4232
235.3946	268.328	194.3805
308.8992	332.1965	518.6784
178.668	306.0391	284.5517
370.516	306.4832	330.1355
438.0093	357.2816	114.3053
172.5646	258.8828	183.7414
242.4146	484.0176	415.7472
236.9923	261.4109	229.1423
159.1075	208.5325	118.1024
229.897	501.1097	443.352
413.9747	448.3219	80.93688
203.269	283.518	347.6405
408.8414	446.0501	213.0427
100.2979	360.6523	272.6944
165.4344	487.3741	285.2209
242.9856	458.4237	278.1072
362.2838	379.6352	129.211
291.9089	447.4134	334.2912
343.7824	466.1011	136.5794
259.7242	339.7716	391.6376
435.5928	382.7789	134.075
142.3919	397.3829	151.3429
255.3408	364.9824	415.2855
250.1038	346.324	538.0915
180.0948	200.5373	168.1788
388.0733	247.9778	537.2598
447.1807	138.9562	352.8353
79.80864	275.4992	224.773
282.4399	170.1043	117.6374
335.2934	352.0785	224.9827
340.722	80.35136	272.904
203.6391	205.0368	130.5657
287.6083	553.7952	260.2368
268.2437	233.2294	329.0235
114.4874	291.9322	366.2208
112.8614	341.9064	460.3998
227.3323	87.11296	230.2368
587.753	198.0701	305.2853
265.1762	313.7869	177.3562
442.1224	452.7742	168.6972
493.9337	194.5955	125.4892
288.253	295.0332	256.699

761.0179	367.9618	165.9312
162.4784	238.3272	413.364
653.671	179.1768	135.0159
340.8632	419.496	169.5636
145.236	379.9354	346.829
250.1261	387.2861	412.6605
429.0957	524.5337	106.9869
191.8758	472.9183	268.9936
136.6387	293.9395	159.6258
135.0074	198.9493	133.4598
161.0669	350.233	318.1286
222.2757	364.5264	295.3579
308.4374	231.4318	278.7048
428.7264	179.5472	121.856
101.6971	351.107	223.1056
182.2147	379.3099	318.366
265.3225	293.3863	292.1873
266.8676	371.8634	366.6216
317.5349	406.5532	433.8506
380.0678	217.3798	217.425
370.2579	410.4896	482.089
191.2073	255.6586	150.5819
497.3686	352.9216	248.4475
271.1808	406.9598	310.1562
318.4726	320.7322	280.8002
230.946	308.0275	295.416
206.8638	491.0678	400.014
223.4968	372.9203	228.3845
339.5894	147.569	265.7224
485.9546	128.4892	269.4901
170.4026	202.8224	425.9674
257.6112	180.4598	178.8802
381.6806	687.321	253.8088
322.6275	165.0259	453.582
281.0075	221.8829	146.0107
141.856	196.612	217.98
231.1762	448.2761	402.2093
128.4534	181.4842	360.3456
238.3231	224.9621	280.0614
356.4982	263.0181	289.1759
194.6301	324.8998	515.8471
190.9699	229.7921	631.9094
215.3571	483.0572	118.2896
129.1789	377.7581	292.7747
340.0426	131.721	431.9303
275.6902	62.40176	294.5556
259.4812	387.1616	178.1146
316.6451	57.43608	149.0892
574.827	410.3623	534.0543

192.4	231.1997	356.4898
150.0256	412.5056	375.6799
180.0474	343.7359	208.8158
162.5892	711.5903	229.5706
304.8292	390.4546	319.518
441.3035	247.25	281.1164
316.873	131.2738	521.2002
314.421	298.186	392.472
296.144	292.0579	241.0928
394.3274	319.9443	432.0701
578.7704	218.6923	176.7698
176.039	310.5045	392.9112
361.2443	369.3129	362.3789
329.476	197.7552	323.2224
115.5456	230.2171	330.694
264.4908	348.6683	184.7788
153.1191	359.3856	269.192
311.2312	233.5098	285.1432
291.726	208.296	225.3306
164.1974	412.9056	185.7139
240.264	272.2315	386.5774
247.067	233.119	268.3699
567.8362	383.1446	243.5558
163.1155	723.5612	254.7793
193.3757	320.568	432.7083
128.2469	245.4704	513.6653
446.8736	474.3949	152.0243
362.931	295.033	558.2491
344.7878	356.4448	113.2016
236.5632	191.3429	563.8214
310.8218	209.4144	194.0368
157.6792	262.5876	120.29
237.165	199.8406	107.2183
210.6826	203.4514	273.3456
166.1502	746.9523	265.8936
221.2472	334.403	421.7472
211.904	455.328	371.966
83.776	442.74	401.8664
307.6675	482.0956	178.7321
262.416	503.6346	388.9477
236.8101	585.0778	440.484
162.559	427.7645	206.593
189.4786	482.2044	321.728
365.1952	405.4501	404.6744
213.1014	340.7264	160.6234
253.6569	171.7514	141.8208
207.531	368.9728	93.23152
405.3459	444.3272	291.566
176.8968	616.5478	254.6688

177.6141	275.7824	335.1096
68.11264	296.6678	376.8237
328.5632	321.3427	160.5622
152.5549	445.6054	397.5552
258.0493	693.601	229.4561
79.11584	705.0912	323.6357
289.5534	370.0326	165.1746
248.5339	236.3598	143.1173
245.892	301.3632	190.7136
155.3458	282.875	180.7414
251.6981	178.4501	329.7114
164.3796	128.5646	302.2723
341.5966	132.9821	67.54088
168.3016	760.695	172.0618
288.5914	192.7241	192.4208
619.0128	343.3075	416.4019
316.9147	260.0866	411.7954
149.303	222.084	488.1254
188.2109	410.058	312.3751
157.4208	577.448	569.2298
131.6824	249.144	339.1948
77.73312	309.3896	138.595
377.9224	174.067	219.096
132.1168	337.3891	195.9802
270.8205	431.032	111.4852
329.963	347.2754	167.7826
276.7677	650.5357	281.7656
145.0608	319.031	302.0004
392.5376	226.5296	238.81
78.8736	322.9267	227.5205
470.0262	191.1809	194.1806
136.8038	307.5093	271.1285
538.8182	869.7077	205.5379
126.2234	306.3648	457.0258
238.7053	604.75	386.1666
188.134	357.9884	334.3414
368.7733	301.5806	280.2749
167.0825	309.4448	125.5944
148.6718	129.3442	319.3379
356.8813	218.4218	358.47
224.6508	287.0243	436.4
210.5104	278.5479	62.83032
206.7055	545.8802	367.015
271.5693	178.074	228.6962
272.712	782.008	211.5187
196.6764	265.0102	522.8922
354.0326	870.2352	305.1309
295.4995	493.5488	210.8686
332.7312	163.6096	167.0632

204.0192	190.4866	201.579
353.649	322.7994	189.1344
206.5245	212.7372	677.9626
319.5499	313.5406	257.0838
247.5586	267.493	176.5
172.303	727.7623	94.84528
227.2088	210.7594	375.5002
51.25064	164.7413	360.6227
227.6256	333.5862	261.2349
167.4054	315.546	441.1517
272.8534	264.8525	133.2374
441.8928	431.0337	178.4242
160.0174	345.5914	249.397
105.9384	442.2226	97.37216
252.146	87.32208	151.9909
335.4648	291.2166	387.0684
175.2473	447.0776	185.234
183.4654	396.6178	247.8382
279.4582	124.7004	301.6202
320.0702	359.5142	257.4362
467.5968	551.2026	386.6192
299.8464	594.09	136.752
257.4017	205.4967	351.6598
385.0188	303.6674	173.9662
267.8012	404.802	135.8006
154.7256	192.8336	195.6912
176.7388	241.36	192.0362
209.8304	215.7773	219.8
583.4171	145.1059	79.75776
318.0677	413.5113	421.9152
344.3544	209.3442	599.9573
252.0627	409.0363	491.2701
354.397	352.296	438.0662
429.7667	321.7152	458.9402
323.7888	327.3178	537.2
659.5888	309.1738	234.1664
242.4192	418.991	307.3568
137.2589	365.273	232.6205
177.5568	368.08	222.8442
252.8469	747.1087	210.9993
283.3782	256.0712	192.7469
371.3328	99.27528	77.28624
513.7936	341.2998	431.376
480.6615	453.5654	333.234
502.5176	249.4632	209.56
382.7214	232.7996	106.6488
394.1604	279.0816	148.3877
422.3824	531.1565	229.6378
244.8694	161.6992	311.1424

179.0208	248.0802	193.9892
247.8112	328.5568	281.0662
227.304	421.0205	436.5926
316.4044	215.2805	156.227
796.1011	406.4	420.5222
386.0366	302.2216	372.8256
115.992	280.16	360.6557
226.8406	356.4701	214.023
120.8806	578.989	210.2832
326.4012	381.3715	357.956
200.9654	142.8198	211.5
86.95512	249.3192	252.9754
156.4237	198.784	561.0792
175.0452	154.442	747.8412
192.6336	189.3479	353.5249
415.776	138.1901	178.6032
326.2182	264.767	174.1048
233.1907	404.552	302.9208
224.0472	293.5307	179.5942
375.4733	280.976	131.6928
203.0496	173.2827	287.756
489.1544	414.96	180.8
251.4415	510.3024	498.4699
199.8355	246.7411	267.7411
104.9664	502.568	405.1394
214.6461	269.588	529.9114
225.2213	347.6707	512.3024
148.6524	475.3358	462.8246
413.7884	398.6976	436.2622
362.2717	244.3165	152.6873
152.2644	354.744	537.5871
345.876	317.304	150.6843
367.1328	400.8774	478.126
104.104	454.4486	337.8882
135.7356	438.6228	371.6899
256.5126	494.0179	370.6421
208.0915	143.6302	464.6342
145.807	405.5387	146.3306
107.1024	319.6634	262.6746
319.8374	243.8554	192.6662
319.1677	178.9142	258.172
126.488	409.3958	126.2587
440.1583	279.4978	422.5225
316.7724	293.0648	148.2215
177.1512	230.3067	265.6582
458.8502	346.8528	328.9704
268.6379	339.0816	177.1977
243.3816	459.7123	286.9635
195.4394	606.8265	252.2016

397.0232	248.7898	145.6634
207.1384	448.668	600.3504
241.3715	628.0546	344.9353
381.5381	355.8016	157.507
213.295	401.2262	388.0704
306.929	252.3118	301.1008
149.4404	216.0802	128.1689
411.1078	138.4128	279.887
237.5578	188.6706	145.7206
379.3706	273.251	447.7464
143.0959	444.4432	119.472
260.4629	317.273	169.8581
360.8229	338.6712	348.944
260.7968	469.7174	166.465
298.4184	268.7821	228.2914
423.7678	303.1072	425.816
228.3266	437.4864	205.0906
561.9854	721.0008	90.73344
269.8696	725.4799	151.0816
220.5235	343.6884	80.376
192.3176	189.8921	296.6163
130.4226	203.6518	79.04944
250.85	323.0368	148.7731
329.9479	487.8557	220.4246
457.3361	210.0701	436.0185
350.5011	396.6479	258.691
562.3467	316.2106	178.1349
161.2395	521.9696	300.1666
269.8752	535.5336	170.4943
483.8534	314.5951	147.582
107.1653	163.369	285.6755
320.1854	767.2241	273.3192
122.9088	244.3416	333.9072
133.6868	207.3574	135.4517
159.5198	254.3498	550.3373
256.6201	461.4785	394.9344
305.4777	223.3978	537.7136
304.2258	73.25824	177.0199
329.5374	471.1106	205.5552
137.9952	136.2472	175.037
298.5228	145.5445	322.4243
414.804	281.4375	335.2883
176.904	198.8228	130.8031
228.879	249.1872	280.1153
241.1599	434.5229	226.8624
198.9094	303.3084	627.591
223.3894	347.84	307.208
134.2796	284.8608	169.168
68.85496	300.7056	171.7987

154.233	235.7281	254.2788
204.864	271.7484	329.0435
121.776	449.6765	398.9843
380.8877	199.6841	315.0595
292.572	477.5515	589.993
354.3518	515.6525	252.1768
202.0528	146.224	382.5458
79.00488	576.2592	301.264
182.5354	319.3049	122.802
182.4396	481.2043	255.6986
297.4445	219.4998	398.7243
244.9331	360.544	264.9101
239.0069	306.3605	496.6664
199.0776	305.4756	379.073
552.4896	298.1093	157.9968
429.9413	410.5472	485.1493
411.8134	310.1874	162.4656
186.6065	294.145	365.951
243.5981	254.6754	313.7329
554.1692	342.4484	182.7584
475.2779	197.3523	401.4096
252.1008	363.6339	295.7983
426.3058	387.7477	100.308
369.1271	272.3988	256.0243
199.6654	220.8456	266.6534
204.3548	660.5496	316.6856
215.8596	137.4434	292.332
145.7179	533.5632	158.5913
208.7072	639.7726	344.0337
67.12808	450.8698	494.1806
420.3724	510.5971	159.2309
114.0322	420.2172	262.6126
313.6949	162.2174	315.2068
194.9777	402.1392	201.2947
344.4336	524.6554	400.4952
596.8554	159.2246	324.09
227.6854	484.576	332.8438
164.3342	278.0482	211.4896
115.1142	330.0902	404.538
208.4158	303.499	409.2557
105.1933	267.305	282.0745
123.4893	473.0695	230.4806
98.2128	208.0208	220.903
269.7781	155.741	324.2104
258.4704	547.1323	151.6234
229.3395	327.285	184.5036
348.361	526.332	427.7282
406.2116	445.3296	516.6762
336.0614	441.6384	230.0454

247.0741	243.4253	268.5504
286.9498	425.132	324.7332
165.4696	226.1475	307.3638
274.6496	587.4752	244.8346
263.8715	314.8288	366.624
180.846	168.8467	283.044
140.5738	338.9664	376.8996
429.4668	160.6603	162.864
128.2513	264.2158	499.0874
238.4939	347.0074	80.8256
493.6435	297.3085	289.3044
193.6422	407.4294	293.7238
394.9294	322.388	266.9341
414.8736	518.2262	157.586
245.6474	401.0653	453.3327
427.9049	331.4752	133.987
249.3005	316.9142	178.0092
238.5469	305.9824	132.6957
238.3936	409.8592	291.801
276.9917	202.2283	464.2622
380.4429	296.3744	208.9994
276.9178	560.0371	304.4501
46.96992	368.2864	701.0844
262.6936	209.7814	342.7309
426.4512	477.7552	339.5584
422.9837	210.9901	410.5078
188.5981	319.3344	293.9846
403.4719	391.4928	307.7208
72.8364	203.107	251.23
169.092	291.0736	401.8485
285.2366	84.57768	108.8882
625.1456	389.4912	264.9453
212.0307	236.277	498.2709
204.4664	274.1693	155.987
201.0226	197.9333	296.8346
197.385	325.0917	502.9256
119.8771	401.3108	421.8816
212.6432	201.6692	222.4646
234.7891	295.5158	344.8546
373.6387	218.2608	253.0578
258.3369	104.2514	439.4609
202.9862	311.3208	351.6034
181.9961	313.4294	357.6303
283.9224	256.284	244.7805
356.7456	494.4547	140.6944
435.4426	305.1045	289.4393
313.1916	180.4546	251.8248
94.74448	374.694	271.2914
416.206	388.5286	315.456

532.6578	427.1706	502.9506
152.16	264.3581	197.8122
293.873	512.9062	264.1995
244.897	171.8707	366.2793
347.8687	400.781	244.715
145.8653	255.308	89.43528
442.4398	451.6106	298.9277
219.8432	396.0965	289.4351
148.6208	217.8749	194.1768
128.3184	255.7282	427.0342
363.4987	462.3663	362.611
602.5222	334.5076	235.7451
150.4656	468.467	708.0185
310.2221	377.2244	104.8004
250.2656	268.6414	285.3874
133.2075	164.729	295.0654
422.6602	255.6331	199.854
417.5734	686.5171	389.3983
382.0363	346.9651	446.8596
678.5424	144.9086	387.4448
424.3151	230.328	88.1712
182.2176	188.7149	145.232
477.0498	342.871	544.152
247.1742	447.499	236.739
255.8712	252.7136	212.5642
193.6562	292.8432	289.5038
111.9413	223.5079	189.8478
286.858	345.66	179.6373
228.0557	280.1174	270.5023
227.9774	314.785	190.2413
155.1936	213.5414	215.4306
296.496	261.8827	385.9674
256.176	285.6902	497.6854
110.3088	236.641	184.3301
330.4724	136.1395	156.5958
236.4634	278.1184	588.287
145.2643	720.1464	213.972
263.9136	291.2294	395.929
168.6773	697.921	392.6686
107.7062	472.9768	334.4016
356.538	382.6445	312.432
201.777	257.9438	292.152
477.1851	461.6357	177.7138
271.5077	199.064	481.1048
132.0394	140.5758	240.865
155.2426	166.7306	293.728
490.8382	306.5182	521.8611
159.8562	317.14	225.8384
207.6485	364.56	317.9674

273.3186	252.8976	318.4612
177.7104	141.743	251.2464
340.9732	681.5868	346.6618
315.5054	281.2723	468.2172
152.8667	255.4526	636.3228
273.1344	279.1936	97.74128
324.9686	409.2816	240.3147
476.4624	290.2896	217.2442
187.1897	269.6397	353.2646
454.0536	695.9046	74.75736
237.2198	169.6608	125.0139
119.5709	248.6765	259.0882
126.0654	393.1546	246.6202
107.568	362.362	329.3472
200.76	404.7322	163.777
294.4128	402.234	65.8068
222.3338	348.1114	245.5264
253.8275	421.2416	230.253
423.384	449.624	333.2326
125.0482	249.1488	331.1229
195.6248	598.8632	72.656
298.592	334.3468	260.4694
225.9275	240.4627	298.8262
252.149	156.3871	135.5088
362.516	665.753	75.9272
273.6223	170.138	255.1092
457.021	370.744	475.0718
105.0074	505.0776	194.472
367.3574	184.4617	173.4096
559.0318	710.2062	261.243
132.0413	414.6925	552.5309
208.7226	131.2927	226.3949
330.6371	744.863	176.5315
263.5026	315.7091	559.8715
181.9582	486.1133	268.4268
134.6285	290.5875	296.6334
266.4652	256.1003	342.7661
193.0126	219.4776	198.38
477.5664	707.5219	220.9284
447.0595	353.0352	241.3171
469.404	440.8067	581.9184
215.2064	297.7978	99.82952
232.7076	253.6445	375.424
321.625	200.0899	290.5358
271.2052	356.7024	213.1565
83.15976	297.1382	199.3875
85.146	321.9229	221.7226
306.7711	158.0981	525.1574
442.728	331.8829	402.7317

342.6413	580.4518	253.7939
449.7593	215.6589	230.37
479.0464	180.4858	360.8556
164.6982	196.3989	405.7258
191.8486	438.4134	352.2182
306.1505	187.2442	265.4822
284.1572	587.8448	254.7679
432.1196	584.6554	598.976
119.7375	360.9939	269.2786
140.4494	168.0518	501.2966
119.2116	416.1016	96.04048
536.0222	399.1232	195.9379
178.3361	394.4765	290.472
198.2602	488.4845	214.5948
158.6864	187.5468	273.6531
304.5093	277.2638	477.576
116.8513	354.7094	430.9747
119.4336	565.8912	289.9476
275.7168	333.6408	233.9667
186.551	188.598	388.9996
176.4426	333.3463	339.9084
119.0906	236.9898	218.977
170.0647	332.9218	287.5116
278.7392	364.4671	715.3774
265.0609	541.632	126.984
400.0304	119.9181	366.732
342.9888	213.5952	265.54
177.6354	178.2647	234.3682
281.5216	571.9726	92.40384
350.968	293.2248	269.7318
618.1666	178.9987	273.4387
274.4874	190.1741	260.4976
518.5946	763.9718	294.3629
179.52	423.5317	670.209
188.3261	446.4213	135.6682
236.161	322.5165	422.8045
339.1018	228.4748	388.9692
300.5363	275.6529	170.6302
468.9846	266.5826	102.391
370.9338	299.0213	381.9859
238.1579	400.3648	293.2779
391.5226	192.0516	269.9328
133.812	426.7432	488.5128
352.8728	117.0234	323.2362
345.8765	639.0259	130.0776
438.3454	250.8198	290.3474
226.1319	484.8243	283.6308
319.8782	293.9709	375.5743
214.9517	501.4809	141.7244

559.0326	165.9245	311.5282
315.6914	326.0736	94.69568
311.5255	209.0419	418.4309
81.4324	265.0061	301.1299
101.5338	338.2477	366.7451
321.8123	521.891	259.91
413.1408	202.5216	95.8968
104.6111	189.4808	454.5837
164.8858	235.1598	158.159
227.354	314.2376	375.7846
307.9575	232.0666	204.5456
215.3612	452.76	352.5936
94.43328	656.966	171.0538
410.131	267.1699	434.1053
128.8718	214.6879	282.9395
133.0764	288.7872	461.2054
147.9492	379.9275	276.5952
157.9178	146.3669	233.2954
257.4746	211.5629	285.7853
92.36208	153.34	173.0005
208.967	779.4016	187.3319
252.5923	439.9409	197.6199
293.1668	267.287	218.937
241.9748	357.7978	341.6582
180.7949	308.6608	199.7385
209.3356	151.7211	875.8963
238.2561	307.5098	211.5338
368.0669	388.0872	246.1888
206.194	215.3743	287.5004
401.9893	188.4557	226.3334
377.6986	415.5312	505.2307
253.2629	90.1212	564.1602
239.0918	527.7832	276.841
316.8563	64.3872	391.3958
629.356	208.376	235.296
361.3456	170.4288	270.2038
254.8627	444.5235	359.865
303.6544	220.2384	719.801
319.8528	256.8192	370.5768
64.32864	290.9037	184.5242
458.5636	683.984	225.8048
254.5152	458.352	260.7077
171.2777	383.2112	179.677
207.4811	265.2567	146.9906
114.5721	332.0821	366.9453
391.7014	188.4902	629.68
755.3032	560.3551	614.1053
467.1788	612.9336	286.4621
350.054	319.4488	349.1035

126.0244	210.4467	673.7562
381.4387	469.9728	229.0378
197.9062	204.4829	281.388
215.0088	354.7669	487.1692
389.6818	393.9302	239.686
225.6205	269.4806	285.384
126.1104	338.4506	585.8889
304.8291	283.3584	419.0803
132.9587	154.2394	299.113
57.2544	346.071	248.3256
138.2558	148.9973	219.1812
100.2166	691.3589	118.422
167.6438	525.0082	232.2992
258.3264	331.0334	325.9133
167.7684	372.0483	271.367
178.7034	539.9525	180.3573
403.4873	310.7635	266.2989
90.78144	400.9896	270.8388
252.2782	299.0654	173.224
151.1826	335.6797	305.431
287.8106	395.4961	209.6004
256.0397	444.3173	300.645
551.9215	204.3096	348.1872
432.2976	376.8256	128.2445
180.5578	251.1434	547.9566
264.9258	225.5472	362.6576
256.8931	221.4817	217.7402
189.7952	159.7254	224.8266
420.052	291.8747	355.2267
447.6448	184.9534	297.8207
373.801	210.721	279.8407
112.6544	261.2585	168.3715
390.0877	195.4058	137.4901
237.552	313.8257	147.0397
116.892	481.1717	314.5486
521.8883	532.1107	194.3612
266.3866	178.1112	328.008
120.2851	241.736	137.4842
209.7554	552.2822	544.2572
250.0544	273.5438	121.0118
136.488	232.5613	159.6258
236.8026	145.1693	537.6475
213.8842	480.8563	232.7424
246.2222	312.1401	242.9454
100.1634	221.7653	246.495
358.9272	201.581	136.6912
327.1611	332.7514	114.9101
222.8878	228.4416	539.7224
288.834	185.8579	191.9874

207.6411	155.1066	333.9941
578.4166	241.9626	600.2936
130.6534	532.3087	150.0324
374.6344	271.1862	163.6964
265.3061	443.0184	251.6326
232.3138	288.3611	305.1382
185.4035	169.3587	638.9142
262.0144	293.0268	291.48
254.6034	304.5645	213.5309
296.4917	367.4765	63.7728
103.609	504.649	244.4202
229.223	295.4102	236.3482
234.023	245.1398	215.031
208.8442	567.4899	166.5667
363.3852	362.6816	185.3914
342.4158	232.3206	223.9648
224.7455	537.4736	296.4493
201.528	668.3645	346.2688
602.7242	552.1155	175.4262
124.4242	258.6918	325.7496
197.1605	316.7121	371.8589
158.6992	266.8512	280.2424
511.3692	376.4494	433.3667
291.1091	216.308	453.8066
256.1998	239.0918	315.4342
180.3252	254.3478	313.9722
182.6966	213.5942	253.0538
124.956	166.9371	289.0272
184.632	607.7491	269.548
119.019	193.0886	363.1595
229.4395	192.0731	144.2376
329.2632	215.3011	342.8911
178.4377	193.5539	211.5118
166.9808	424.7541	350.9138
221.9478	124.4211	253.7175
106.6224	172.0555	317.526
288.5616	211.5043	182.6362
288.288	153.3999	136.9606
272.7396	131.7946	153.3979
644.3475	218.8054	288.4821
255.8712	152.2954	542.416
292.2394	446.5104	367.8708
180.4108	266.999	183.0523
471.1054	290.7403	553.6608
198.8631	247.1858	353.1978
276.7811	126.8499	339.3533
153.997	423.2368	185.0302
69.64672	362.0347	176.5385
415.0777	403.6102	233.3351

742.1822	349.0226	136.9728
188.46	230.905	353.6125
313.3442	254.943	202.7772
332.9851	225.831	432.7238
256.5432	387.9117	142.7978
406.2374	241.0111	211.2352
317.3588	445.3987	85.61704
230.22	314.3252	261.8266
358.2016	297.672	238.4488
196.3091	252.2707	478.8451
356.0691	245.224	323.657
391.3818	274.7712	253.5
209.9862	324.7429	298.7563
224.1635	248.2075	176.6554
372.3325	450.0109	239.9808
221.9242	667.436	101.2595
169.5355	350.5421	642.1854
182.4568	315.3134	355.2947
487.8002	288.8712	269.3993
209.8894	97.65888	166.5768
67.43232	313.7659	312.756
436.0523	266.2507	255.8078
283.5761	187.4706	342.6564
270.9094	349.1429	443.2014
152.9592	438.3812	429.5494
230.8143	200.1898	278.2978
317.4733	277.9891	386.496
142.6939	152.3158	195.1469
430.2578	552.3422	291.1114
231.037	787.1054	314.0767
338.3232	558.513	296.0128
459.2059	316.2746	556.9949
267.4038	390.0182	355.7261
280.4368	285.4153	230.4509
198.0888	585.9044	225.3266
140.8368	294.3379	382.427
270.207	297.3856	253.079
271.5509	345.3667	176.521
432.3883	347.1372	507.6262
661.335	297.8093	212.5568
383.927	162.8602	224.2314
358.0178	387.0558	300.0174
367.1318	270.4442	365.688
505.4695	212.9836	510.2176
323.406	313.1962	283.9658
284.4436	138.9024	523.2217
310.2075	199.2	224.0357
356.496	355.7417	358.6046
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83.1784	385.2518	294.3814
184.0277	235.1334	396.1664
281.7014	232.176	160.9673
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	379.7503	
	309.7973	
	132.552	
	502.0338	
	267.7459	
	412.3392	
	605.3936	
	184.6987	
	300.4644	
	336.1889	

	343.4186	
	454.6945	
	342.505	
	314.2451	
	350.1022	
	189.8272	
	510.8132	
	207.9532	
	85.6928	
	282	
	174.924	
	254.3856	
	294.8678	
	105.9079	
	92.49664	
	224.2784	
	143.7426	
	399.1052	
	81.204	
	228.4229	
	190.3222	
	372.362	
	175.536	
	229.1277	
	527.0209	
	420.7238	
	488.3693	
	517.6138	
	596.5226	
	264.119	
	160.7619	
	443.7374	
	349.3069	
	587.1202	
	363.7728	
	495.9501	
	100.8718	
	518.9896	
	345.0306	
	165.968	
	319.5013	
	577.9453	
	236.1722	
	148.8256	
	389.417	
	228.0666	
	260.5145	
	737.0336	
	357.578	

	207.8438	
	248.6035	
	359.7139	
	311.7658	
	534.383	
	309.1862	
	429.9904	
	699.4908	
	684.2047	
	322.1712	
	411.4594	
	391.5408	
	277.0666	
	312.6031	
	451.2587	
	577.1472	
	313.208	
	434.3872	
	591.6362	
	443.9568	
	404.7168	
	347.7478	
	532.9894	
	165.0931	
	290.8685	
	264.1218	
	631.6875	
	423.9318	
	295.3145	
	307.4803	
	619.344	
	176.0558	
	676.1226	
	379.4832	
	309.6336	
	629.5128	
	241.8372	
	296.5292	
	530.2406	
	468.2086	
	316.6454	
	363.7872	
	407.1384	
	276.1872	
	228.0792	
	396.1906	
	222.4836	
	405.229	
	232.5539	

	314.6494	
	159.9965	
	402.9368	
	372.2073	
	288.823	
	495.5744	
	247.599	
	391.6162	
	267.0293	
	430.56	
	346.2368	
	286.2619	
	218.6798	
	367.9181	
	298.1974	
	341.1024	
	396.68	
	409.4746	
	245.3954	
	48.13992	
	212.6208	
	484.5549	
	661.8492	
	488.958	
	670.9976	
	270.7997	
	718.4621	
	380.6946	
	154.8147	
	534.6518	
	170.8224	
	309.2359	
	117.114	
	218.1482	
	308.9239	
	147.7338	
	350.6285	
	326.0621	
	470.4706	
	203.2906	
	79.92864	
	589.7318	
	546.0624	
	242.8272	
	378.2002	
	263.6726	
	203.9796	
	376.7558	
	395.8926	

	287.6574	
	154.3219	
	158.4539	
	203.9796	
	312.9931	
	260.5882	
	623.1697	
	295.3109	
	119.5236	
	207.9106	
	266.38	
	125.3325	
	110.322	
	184.7622	
	340.5389	
	182.1826	
	375.0618	
	385.2173	
	567.58	
	393.5764	
	221.5739	
	469.1239	
	408.1792	
	780.2966	
	580.5248	
	278.0633	
	299.3928	
	713.0732	
	567.672	
	383.9976	
	233.4018	
	190.4806	
	312.8736	
	238.104	
	99.2528	
	386.3658	
	334.3027	
	609.9893	
	503.03	
	546.4626	
	448.3133	
	181.4106	
	260.6739	
	647.8672	
	204.2402	
	155.6198	
	329.527	
	244.8086	
	310.4138	

	185.1343	
	536.5066	
	357.7659	
	448.0815	
	484.092	
	256.4546	
	414.8184	
	338.639	
	527.6902	
	420.6312	
	396.9662	
	703.7235	
	329.7581	
	365.2308	
	403.4384	
	283.799	
	333.7286	
	212.9626	
	458.4817	
	61.49696	
	398.0258	
	526.8684	
	197.06	
	242.6755	
	416.8428	
	182.737	
	363.37	
	333.4286	
	295.7472	
	348.877	
	150.8155	
	292.1299	
	470.7164	
	280.8202	
	163.1599	
	110.4218	
	725.2834	
	355.7954	
	266.2739	
	423.4539	
	160.892	
	708.013	
	248.1715	
	210.1373	
	234.703	
	271.9219	
	493.7573	
	387.1426	
	357.3374	

	430.8014	
	549.1431	
	363.3943	
	543.0973	
	433.1796	
	202.8784	
	552.4949	
	154.3046	
	219.417	
	336.2563	
	321.4696	
	353.16	
	115.625	
	179.228	
	296.1408	
	248.812	
	585.2632	
	284.672	
	219.996	
	240.7608	
	368.0723	
	370.9925	
	202.1038	
	259.5439	
	465.5064	
	336.69	
	415.0138	
	290.0078	
	252.119	
	293.8104	
	183.1579	
	284.0736	
	133.9234	
	294.3728	
	208.0109	
	137.1694	
	222.3978	
	218.8457	
	394.0733	
	351.9859	
	113.4922	
	600.5901	
	425.9621	
	222.4411	
	240.1963	
	519.7104	
	72.2128	
	620.8212	
	513.7424	

	315.3881	
	251.2944	
	478.5264	
	357.0178	
	534.9434	
	115.471	
	369.2424	
	525.399	
	358.9342	
	213.5225	
	293.9776	
	220.848	
	316.2918	
	377.0116	
	159.9864	
	251.2704	
	123.3136	
	289.4293	
	313.7722	
	252.7386	
	231.4245	
	317.4304	
	303.9869	
	138.1113	
	268.9536	
	287.8867	
	200.3042	
	301.5162	
	177.5743	
	328.171	
	322.4452	
	255.211	
	391.8625	
	199.3737	
	376.7563	
	147.0786	
	597.395	
	339.45	
	516.3288	
	706.9853	
	277.4638	
	307.0109	
	250.9821	
	228.0365	
	364.8871	
	229.482	
	316.2598	
	445.4616	
	686.4486	

	351.4544	
	345.6856	
	595.3266	
	626.2838	
	85.5464	
	274.0954	
	350.2848	
	394.6272	
	367.5901	
	170.8918	
	259.014	
	291.721	
	163.0117	
	319.031	
	303.6211	
	325.9108	
	287.8481	
	332.666	
	640.5475	
	228.4218	
	295.7126	
	288.9806	
	179.7576	
	459.6312	
	437.6011	
	161.8176	
	330.7345	
	366.814	
	310.6392	
	241.794	
	275.3184	
	442.818	
	314.4965	
	423.5731	
	275.968	
	309.2059	
	313.226	
	314.9978	
	494.2054	
	493.152	
	269.5344	
	178.6598	
	101.3386	
	225.505	
	219.8134	
	317.9769	
	185.5262	
	372.8815	
	235.3	

	213.0308	
	310.1136	
	308.7792	
	257.1782	
	452.7438	
	259.9626	
	241.2301	
	114.3318	
	356.4288	
	319.7491	
	357.0568	
	354.4166	
	477.2611	
	485.3014	
	482.8757	
	732.5078	
	377.3648	
	625.9968	
	268.8948	
	173.4372	
	407.6815	
	197.1094	
	467.5839	
	396.1163	
	605.8714	
	662.3983	
	294.2709	
	149.7126	
	274.3265	
	248.8544	
	226.4042	
	317.7017	
	363.0544	
	269.7499	
	204.0792	
	316.5473	
	202.5471	
	411.5928	
	813.3247	
	468.1136	
	477.5431	
	273.6218	
	227.6317	
	607.9178	
	290.829	
	315.7229	
	366.1293	
	683.8832	
	102.1918	

	417.012	
	477.2376	
	355.3632	
	210.7846	
	322.4206	
	282.5357	
	530.8779	
	172.1748	
	364.3974	
	328.0838	
	200.5106	
	269.2978	
	105.6446	
	357.948	
	250.1378	
	355.6736	
	155.0722	
	180.6816	
	315.7018	
	167.5128	
	273.961	
	182.9128	
	134.6112	
	409.5172	
	342.5124	
	549.1091	
	293.9794	
	265.6234	
	62.23464	
	243.1386	
	487.5826	
	199.2437	
	495.6504	
	363.3696	
	99.138	
	54.07648	
	206.5769	
	431.3944	
	232.5581	
	345.5021	
	88.39712	
	584.556	
	257.2648	
	355.303	
	66.00704	
	238.3894	
	265.2005	
	229.7645	
	192.9133	

	209.5589	
	172.2586	
	370.1069	
	482.1462	
	120.1794	
	375.3517	
	430.0801	
	470.4216	
	434.937	
	291.3376	
	387.6404	
	523.032	
	153.832	
	316.7155	
	156.383	
	185.0092	
	255.5712	
	173.056	
	214.32	
	387.5456	
	143.8546	
	229.9924	
	396.3741	
	240.0526	
	408.4763	
	150.5856	
	295.607	
	362.2615	
	222.0848	
	596.511	
	413.3549	
	442.209	
	208.0179	
	233.0856	
	496.9984	
	271.1507	
	477.7056	
	184.1268	
	419.8272	
	292.7821	
	320.4755	
	187.2218	
	149.2507	
	450.3923	
	152.334	
	211.896	
	737.6154	
	117.6911	
	177.8691	

	239.9831	
	427.2157	

Anova: Single Factor (Indian SSTF Holocene vs Deglacial Area)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Holocene Area	1000	274619.1	274.6191	15655.54		
Indian SSTF Deglacial Area	1100	325944.2	296.3129	17372.87		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	246515.3	1	246515.3	14.89057	0.000117	3.845895
Within Groups	34732671	2098	16555.13			
Total	34979186	2099				

Anova: Single Factor (Indian SSTF Holocene vs Glacial Area)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Holocene Area	1000	274619.1	274.6191	15655.54		
Indian SSTF Glacial Area	2400	777335.4	323.8897	19974.63		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	1713596	1	1713596	91.61245	1.96E-21	3.844197
Within Groups	63559027	3398	18704.83			
Total	65272623	3399				

Anova: Single Factor (Indian SSTF Glacial vs Deglacial Area)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Glacial Area	2400	777335.4	323.8897	19974.63		
Indian SSTF Deglacial Area	1100	325944.2	296.3129	17372.87		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	573620.6	1	573620.6	29.9428	4.76E-08	3.844118
Within Groups	67011933	3498	19157.21			
Total	67585554	3499				

Supplementary File C. Detailed dataset of ANOVA tests summary conducted for absolute abundances of *F. kerguelensis* for sediment core MD97-2101 used for the study across the different climatic periods (Holocene, deglacial and glacial).

Anova: Single Factor (Indian SSTF Holocene vs Deglacial Abundances)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Holocene Abundances	10	27.75857	2.775857	0.612185		
Indian SSTF Deglacial Abundances	11	21.87485	1.988623	0.590066		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	3.246245	1	3.246245	5.405512	0.031305	4.38075
Within Groups	11.41033	19	0.600543			
Total	14.65657	20				
Anova: Single Factor (Indian SSTF Holocene vs Glacial Abundances)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Holocene Abundances	10	27.75857	2.775857	0.612185		
Indian SSTF Glacial Abundances	24	61.86306	2.577628	0.683705		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	0.277376	1	0.277376	0.417994	0.52255	4.149097
Within Groups	21.23488	32	0.66359			
Total	21.51226	33				
Anova: Single Factor (Indian SSTF Glacial vs Deglacial Abundances)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Glacial Abundances	24	61.86306	2.577628	0.683705		
Indian SSTF Deglacial Abundances	11	21.87485	1.988623	0.590066		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	2.616815	1	2.616815	3.993127	0.053981	4.139252
Within Groups	21.62589	33	0.65533			
Total	24.2427	34				

F. kerguelensis absolute abundances	Holocene	Deglacial	Glacial
	2.526475	1.310984	3.114242
	2.566955	1.940032	4.082736
	3.474369	1.396746	2.892912
	2.269415	1.949319	2.854671
	4.281074	1.509169	3.981201
	2.05747	2.399902	2.390522
	3.758148	1.237333	4.055187
	2.487955	2.687518	1.511237
	1.954145	2.665583	2.320928
	2.382568	3.584172	1.114827
		1.194095	2.56769
			1.806211
			2.327123
			1.696421
			2.215372
			2.022094
			3.20994
			2.57555
			3.4179
			1.821506
			2.449124
			2.420644
			3.472337
			1.542684

Anova: Single Factor (Indian SSTF Holocene vs Deglacial Abundances)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Holocene Abundances	10	27.75857	2.775857	0.612185		
Indian SSTF Deglacial Abundances	11	21.87485	1.988623	0.590066		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	3.246245	1	3.246245	5.405512	0.031305	4.38075
Within Groups	11.41033	19	0.600543			
Total	14.65657	20				

Anova: Single Factor (Indian SSTF Holocene vs Glacial Abundances)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Holocene Abundances	10	27.75857	2.775857	0.612185		
Indian SSTF Glacial Abundances	24	61.86306	2.577628	0.683705		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	0.277376	1	0.277376	0.417994	0.52255	4.149097
Within Groups	21.23488	32	0.66359			
Total	21.51226	33				

Anova: Single Factor (Indian SSTF Glacial vs Deglacial Abundances)						
SUMMARY						
<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>		
Indian SSTF Glacial Abundances	24	61.86306	2.577628	0.683705		
Indian SSTF Deglacial Abundances	11	21.87485	1.988623	0.590066		
ANOVA						
<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	2.616815	1	2.616815	3.993127	0.053981	4.139252
Within Groups	21.62589	33	0.65533			
Total	24.2427	34				

Supplementary File D. Linear correlation between *F. kerguelensis* mean valve area (FkergArea) and *F. kerguelensis* absolute abundances (FkergAbun) during the different periods (Holocene, deglacial and last glacial) and also for the whole records (last glacial to Holocene) for the core MD97-2101 (Indian SSTF).

Core Depth	Cal Age	<i>F. kerguelensis</i> absolute abundances (10 ⁶ valves/g)	<i>F. kerguelensis</i> Area (μm ²)
0	3.4341	2.53	276.2354664
5	3.9338	2.57	292.8839296
10	4.6000	3.47	258.9746376
15	5.2663	2.27	278.5716936
20	5.9325	4.28	257.2795968
25	6.5988	2.06	277.4027568
30	7.2738	3.76	269.6169544
35	8.0015	2.49	266.5374792
40	8.7380	1.95	270.738492
45	9.4745	2.38	297.9501336
50	10.2110	1.31	291.444096
55	10.9475	1.94	281.689784
60	11.6840	1.40	294.5606464
65	12.4205	1.95	276.1769216
70	13.1570	1.51	293.589064
75	13.8935	2.40	300.0484328
80	14.5958	1.24	292.9651408
85	15.0925	2.69	309.7654248
90	15.5550	2.67	278.466952
95	16.0175	3.58	311.5750488
100	16.4800	1.19	329.1603496
105	16.9425	3.11	329.1598608
110	17.4050	4.08	324.4047672
115	17.8675	2.89	336.3430672
120	18.3300	2.85	339.2839112
125	18.7925	3.98	336.0190792
130	19.2550	2.39	335.8242832
135	19.7175	4.06	342.469212
140	20.1800	1.51	332.8921144
145	20.6425	2.32	301.4744152
150	21.3273	1.11	326.613124
155	23.3458	2.57	295.1075504
160	25.5867	1.81	304.8751624
165	27.8275	2.33	296.0290224
170	30.0683	1.70	327.075688
175	32.3092	2.22	317.1120176
180	34.3719	2.02	315.941128
185	35.3658	3.21	304.671368
190	36.1817	2.58	368.32018
195	36.9975	3.42	316.5203864
200	37.8133	1.82	309.633256
205	38.6292	2.45	333.476716
210	39.4450	2.42	339.8104432
215	40.2608	3.47	344.9364024
220	41.0767	1.54	295.3604168



