

Table S1. Raw data of ϵ_{Nd} measured on the authigenic fraction (foraminifera and bulk sediment leachates) and ϵ_{Nd} measured on the residual fraction from core MD04-2797CQ. Replicates are indicated by a/b.

Depth (cm)	Age (ka BP)	Authigenic fraction				Detrital fraction	
		Foraminifera		Leachate		ϵ_{Nd}	2σ
		ϵ_{Nd}	2σ	ϵ_{Nd}	2σ	ϵ_{Nd}	2σ
0a	0.7	-	-	-6.0	0.3	-10.6	0.2
0b	0.7	-	-	-5.9	0.3	-	-
31a	2.7	-	-	-6.5	0.2	-10.7	0.2
31b	2.7	-	-	-6.2	0.2	-	-
47	3.7	-	-	-4.4	0.2	-	-
59	4.5	-	-	-5.0	0.2	-	-
75a	5.5	-	-	-4.7	0.2	-9.6	0.2
75b	5.5	-	-	-4.3	0.2	-	-
107	6.3	-	-	-2.5	0.2	-8.6	0.2
155a	7.2	-	-	-3.8	0.2	-9.6	0.2
155b	7.2	-	-	-3.5	0.2	-	-
170	7.4	-2.9	0.2	-	-	-	-
190	7.8	-4.9	0.4	-	-	-	-
210	8.1	-4.2	0.4	-	-	-	-
221a	8.2	-	-	-5.1	0.2	-	-
221b	8.2	-	-	-5.0	0.2	-	-
230	8.4	-3.9	0.2	-	-	-	-
250	8.6	-4.9	0.4	-	-	-	-
251a	8.6	-	-	-5.4	0.3	-9.5	0.2
251b	8.6	-	-	-5.1	0.2	-	-
267	8.8	-	-	-4.5	0.3	-	-
270	8.9	-3.5	0.3	-	-	-	-
290	9.1	-3.4	0.3	-	-	-	-
343a	10.0	-	-	-6.1	0.2	-	-
343b	10.0	-	-	-5.8	0.1	-	-
363	10.7	-	-	-4.0	0.2	-	-
367	10.9	-	-	-	-	-9.8	0.2
391a	11.8	-	-	-4.5	0.2	-	-
391b	11.8	-	-	-4.0	0.1	-	-
430	13.0	-3.0	0.2	-	-	-	-
461a	13.8	-	-	-3.0	0.2	-9.9	0.1
461b	13.8	-	-	-2.7	0.1	-10.3	0.2
483a	14.6	-	-	-3.4	0.2	-	-
483b	14.6	-	-	-2.8	0.2	-	-
490	15.0	-6.0	0.2	-	-	-	-
495a	15.2	-	-	-5.0	0.2	-	-
495b	15.2	-	-	-5.1	0.2	-	-
507	15.8	-	-	-4.1	0.2	-10.0	0.2
521	16.2	-	-	-4.3	0.2	-	-

567a	17.5	-	-	-6.2	0.3	-9.9	0.2
567b	17.5	-	-	-6.2	0.3	-	-
730	21.4	-4.1	0.3	-	-	-	-
731	21.4	-	-	-	-	-9.8	0.2
750	22.0	-6.3	0.2	-	-	-	-
751	22.0	-	-	-	-	-10.3	0.1
770	22.7	-4.4	0.3	-	-	-	-
771	22.7	-	-	-	-	-10.3	0.2
