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THE VALANGINIAN WEISSERT OCEANIC ANOXIC EVENT RECORDED IN CENTRAL-EASTERN SARDINIA (ITALY)

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Supplementary information

S'Ozzastru quarry section																																
samnple	m	Preservation	Total abundance	*W. barnesiae*	*Z. embergeri*	*L. carnlolensis*	*N. steinmannii*	*Cretarhabdus sp.*	*C. margerelii*	Wide canal *Nannoconus sp.*	*M. obtusus*	*N. minutus*	*W. britannica*	*C. oblongata*	*C. cuvilleri*	*D. lehmanii*	*M. hoschulzii*	*Lithraphidites cf. L. pseudoquadratus*	*R. asper*	*C. mexicana*	*N. multicadus*	*N. dolomiticus*	*N. wintereri*	*N. kamptneri*	*Z. erectus*	*D. rotatorius*	*T. verenae*	*B. constans*	*R. pseudoangustus*	*E. windii*			
844	71	M	C	C	R		R	R	R	R	R	R/F		R/F		R		R	R			R			R							
843	65.9	M	R/F	R/F	R			R		R																						
842	65.1	M	F	F	R		R	R	R	R	R			R	R	R	R															
841	65	M	F	F	R		R	R	R	R	R		R	R	R	R	R															R
840	57.5	MP	F	F	R	R					R/F	R				R						R										
839	55.8	MP	F	F	R		R			R		R		R						R			R	R								
838	53	M	C	C	R		R	R	F		R		R/F	R/F	R	F	R	R	R	R	R				R	R						VR
837	51.5	M	C	A	R		R/F	R		R			R			R				R						R	R		R	VR		
836	49	MP	C	C	R		R		F			R				R				R	R											
835	48.2	M	F	F	R		R/F	R	R					R					R										R			
834	48	MP	F	R/F	R			R	F		R	R/F		R	R				R							R	R					
833	45	MP	F	F	F		F		F	R/F	R/F										R					R	VR					
832	44	MP	R/F	R/F				R	R	R		R		R	R										R							
831	42	MP	VR	VR		VR		VR																								
830	38.2	MP	F	F			R		R			R									R		R	R								
829	35.5	MP	R/F	R/F					R/F			R/F	R	R	R	R						R/F										
828	31.5	MP	C	C			R	R	R	R	R/F	R			R	R	R/F			R		F										
827	28.2	MP	R/F	R/F			R/F				R	R									R											
826	25.5	MP	C	C	R		F		R	R/F						R	R/F			R												
825	23.4	MP	F	F			R					R						R	R													
824	21.2	MP	R/F	R/F			R				R	R		R																		
823	19.2	MP	F	F					R																							
822	17.8	MP	R/F		R		R	R	R		R	R				R	R															
821	15.8	MP	F/C	F/C	R			R	R/F	R/F		R/F	F	R	R	R	R															
820	14.8		barren																													
819	14		barren																													
818	13		barren																													
817	11	MP	R	R		R	R		R	R	R																					
816	10.8		barren																													
815	9.8	MP	F/C	R	R	C		R																								
813	8.4	MP	VR	VR		VR	VR																									
812	8.2		barren																													
811	7	MP	VR	VR		VR	VR																									
810	6.2	P	VR	VR																												
809	5.4		barren																													
808	5.2		barren																													
807	4.8		barren																													
806	4.5	P	VR	VR	VR																											
805	3.8		barren																													
804	3		barren																													
803	2.3		barren																													
802	2		barren																													
801	1.8		barren																													
800	1.1		barren																													
799	0.9		barren																													
798	0.5		barren																													
797	0		barren																													

Orosei																																
O5		P	VR	VR					VR																							
O4			barren																													
O3		M	F	F			R/F		R						R	R/F	R	R	R			F	R									
O2		G	F	F		R	R		R						R	R		R							R							
O1		G	R	R				R	R							R																

Table S1. Calcareous nannofossil range chart of the Schiriddè Limestone and Siniscola Marl in the S'Ozzastru section (samples 797-844) and of the Siniscola Marl in the Orosei area (O1 - O5).

The chart reports the distribution and semi-quantitative abundance of all taxa observed, as well as the total abundance and preservation of each investigated sample. G: good preservation; M: moderate; MP: moderate/poor; P: poor. Total abundance codes are: C: common, 10-20 specimens per field of view. FC: few/common, 5-9 specimens per field of view. F: few, 2-4 specimens per field of view. R: rare, 1 specimen per field of view. VR: very rare, less than 1 specimen per field of view. Abundance of individual taxa was coded as follows: A: abundant, > 1 specimen per field of view. C: common, 1 specimen in 1-9 fields of view. FC: few/common, 1 specimen every 10 fields of view. F: few, 1 specimen in 11-29 fields of view. RF: rare/few, 1 specimen every 30 fields of view. R: rare, 1 specimen in 31-100 fields of view. VR: very rare, less than 1 specimen in more than 100 fields of view.

Sample	m	$\delta^{13}C$ ‰ (bulk)	$\delta^{18}O$‰ (bulk)
844	71.00	2.90	-1.40
843	65.90	2.98	-1.24
842	65.10	2.97	-1.20
841	65.00	2.85	-1.42
840	57.50	2.63	-1.73
839	55.80	2.82	-1.86
838	53.00	1.72	-2.05
837	51.50	2.36	-1.88
836	49.00	2.79	-1.46
834	48.00	2.74	-1.46
833	45.00	2.56	-1.68
832	44	1.389	-1.692
831	42	2.546	-1.312
830	38.2	-0.132	-3.539
829	35.5	2.194	-1.669
828	31.5	-0.631	-3.259
827	28.2	1.084	-2.168
826	25.5	2.127	-2.231
825	23.4	1.472	-2.027
824	21.2	1.848	-2.233
823	19.2	1.779	-2.106
822	17.8	1.471	-2.417
821	15.8	1.197	-2.554
820	14.8	1.196	-1.116
819	14	1.028	-1.907
818	13	1.192	-1.417
817	11	-4.039	-3.135
816	10.8	0.905	-1.716
815	9.8	-5.535	-3.760
813	8.4	-2.438	-2.485
812	8.2	0.702	-1.575
811	7	-5.974	-3.769
810	6.2	0.736	-1.787
809	5.4	-4.311	-3.520
808	5.2	0.710	-1.377
807	4.8	0.338	-1.656
806	4.5	-0.193	-1.838
805	3.8	0.592	-2.210
804	3	-4.530	-3.032
803	2.3	-0.197	-2.306
802	2	-4.254	-3.257
801	1.8	-0.126	-1.671
800	1.1	0.310	-2.566
799	0.9	-8.284	-4.776
798	0.5	-3.735	-4.289
797	0	0.692	-1.243

Table S2. Carbon and oxygen isotope data for bulk carbonate expressed as ‰ relative to VPDB.