Table S2. Relative abundance of DnaE2 in the Peru Margin sediment of different depths.

Depth	GC%	DnaE1+DnaE3	DnaE2	PolC	DnaE2%	Average DnaE2%
5m	48±10%	10	5	3	50.00	42.39%
30m	48±10%	46	16	5	34.78	
50m	55±11%	8	8	1	100.00	
70m	52±10%	6	8	9	100.00^{a}	84.52%
91m	53±10%	7	5	5	71.43	
159m	54±10%	15	10	6	66.67	

Note: ^aThere are more DnaE2 sequences identified than DnaE1+DnaE3 at this depth due to biased sample size and we manually set DnaE2% to 100%.