Table T16. Dinoflagellate cyst, pollen, and palynomorph range chart, Holes U1339A, U1339B, and U1339D. (See table notes.)

Core, section	Depth (mbsf) Top	Depth (mbsf) Bottom	Preservation	Marine: Dinoflagellate cysts	Marine: Organic lining of foraminifers	Pollen and spores: Pollen	Pollen and spores: Spores of pteridophytes	Pollen and spores: *Pediastrum* + *Botryococcus*	Reworked palynomorphs	Dinoflagellate cyst assemblages: *Bitectatodinium tepikiense*	*Brigantedinium cariacoense*	*Brigantedinium simplex*	*Brigantedinium* spp.	*Impagidinium* spp.	*Echinidinium aculeatum*	cf. *Hytrichosphaeropsis obscura*	*Islandinium minutum*	*Islandinium* morphotype *cesare*	*Operculodinium centrocarpum*	*Operculodinium centrocarpum* var. Arctic	*Operculodinium centrocarpum* var. short processes	*Pentapharsodinium dalei*	*Protoperidinium americanum*	*Pyxidinioopsis reticulata*	*Quinquecuspis concreta*	*Spiniferites elongatus*	*Spiniferites frigidus*	*Spiniferites* spp.	*Trinovantedinium variabile*	*Votadinium calvum*
323-U1339A-																														
1H-CC	4.8	4.9	G	A	C	C	C	C	F		R	F	D				A		R		R	R	R	R			R	R		
2H-CC	14.6	14.7	G	A	A	F	F	R	R	R	R	A	D				A				F	A	R							
3H-CC	24.2	24.3	G	A	F	R	R	F	F		F	A	D				F					R								
4H-CC	33.8	33.9	G	C	F	R	C	F	R		R	A	D						R	R	R						R	R		
323-U1339B-																														
1H-CC	3.9	4.0	G	A	F	F	C	F	R		P	R	A	R			D	R					R	P				R		
3H-CC	23.4	23.4	G	A	C		C	C	R		R	A	A		R		D		R				R		P					
5H-CC	42.2	42.3	G	C	F	C	F	F			R	A	D				F		R											R
7H-CC	61.5	61.6	M	C	F	C	C	F	F			A	D				R		F	F			R				R			
9H-CC	80.4	80.5	G	A	B	C	C		R		R	A	D				R													
11H-CC	99.3	99.4	M	A	R				R			A	D				F				F									
13H-CC	108.9	109.0	G	A	R	C					F	F	D										R							
15H-CC	130.0	130.1	M	C	R	F	F		F			F	D						F											
17H-CC	148.6	148.7	G	C	F	F	F		F		A	A	D				R		F	R										
19H-CC	167.9	168.0	M	C	R	F	F		R			F	D						A				F							
21H-CC	187.6	187.7	M	A	F	F			F			A	D				R													
22H-CC	196.8	196.9	G	A	F	C			F		R	A	D			R	F		R											
323-U1339D-																														
1H-CC	6.5	6.6	G	A	F	F					F	A	D				A	R					R	F						
2H-CC	16.0	16.1	M	A	F	F	R	R				A	D				A													
3H-CC	25.6	25.7	M	C	F	R						A	D				F		R											
4H-CC	33.4	33.5	M	C	F							F	D				R													
5H-CC	43.2	43.3	M	C	F	F	R		R			A	D				A							R						
6H-CC	53.0	53.1	G	A	F	F	C		F		R	A	D												F					
19H-CC	176.8	176.9	M	C	F	R	F		R				D				F													
20H-CC	186.0	186.1	G	A	F		F		R			A	D				A													
21H-CC	194.1	194.2	M	C	F	C					R	R	D						R											
22H-CC	200.8	200.8	M	A	C	C	F				F	A	D				F												A	

Notes: Absolute abundance: A = abundant (>2000/cm^3), C = common (>200/cm^3), F = few (>100/cm^3), R = rare (<100/cm^3). Relative abundance of dinoflagellate cysts: D = dominant (>30%), A = abundant (>10%), F = few (>5%), R = rare (<5%), P = occurrence (when counts are <20). Preservation: G = good, M = moderate.