

Chronostratigraphy		Lithostratigraphy		Measured depth (m)	Events	Palynology																																																														
Period/Epoch	Age	Formation	Member			Samples (m)	In situ, quantitative abundance (scale tick = 10 counts)																																																													
Lower Cretaceous	Early to earliest Late Hauterivian	Rurikfjellet	Kikutodden	180	Endoscrinium hauterivianum Nelchinopsis kostromiensis	180.00 26191 181.00 26998 182.00 26999 192.00 27000 194.00 26192	1 DC	2 DC	3 DC	4 DC	5 DC	6 DC	7 DC	8 MP	9 DC	10 DC	11 DC	12 DC	13 DC	14 DC	15 DC	16 DC	17 DC	18 DC	19 DC	20 DC	21 DC	22 DC	23 DC	24 DC	25 DC	26 DC	27 DC	28 DC	29 DC	30 DC	31 DC	32 DC	33 DC	34 DC	35 DC	36 DC	37 DC	38 DC	39 DC	40 DC	41 DC	42 DC	43 DC	44 DC	45 DC	46 DC	47 DC	48 DC	49 DC	50 DC	51 DC	52 DC	53 DC	54 DC	55 DC	56 DC	57 DC	58 DC	Total palynomorphs counted	Shannon diversity	Species richness	
							Barren	Tubotuberella apatela	Tubotuberella spp.	Sirmiodinium grossii	Cribrerodinium spp.	Other dinocysts	unidentifiable dinocysts	Wrevittia helicoidea	Polynomorph A	Waliodinium luna	Cassiculosphaeridia magna	Gochteodinia villosa	Gochteodinia villosa multifurcata	Stanfordella ordocava	Gonyaulacysta spp.	Stanfordella fastigiata	Dingodinium cerviculum	Tanyosphaeridium spp.	Nelchinopsis kostromiensis	Oligosphaeridium complex	Oligosphaeridium with broken processes	Apteodinium spongiosum	Lagenorhysis delicatula	Tanyosphaeridium salpinx	Oligosphaeridium spp.	Circulodinium distinctum	Oligosphaeridium asterigerum	Oligosphaeridium poculum	Apteodinium spp.	Endoscrinium sp.1	Spiniferites sp.1	Circulodinium spp.	Escharisphaeridia rudis	Althimacocysta glabra	Oligosphaeridium abaculum	Meiourgonyaulax stoveri	Endoscrinium hauterivianum	Cleistosphaeridium spp.	Pareodinia spp.	Pseudoceratium pelliferum	Muderongia tetracantha	Muderongia tetracantha/extensiva	Klokansium unituberculatum	Muderongia australis	Muderongia simplex	Muderongia spp.	Hystriodinium vogtii	Discorsia nannus	Rhynchodiniopsis aptiana	Hystriodinium arborispinum	Wrevittia peritrochusa	Pseudoceratium spp.	Muderongia parata	Tanyosphaeridium boletus	Downiesphaeridium ? aciculare	Muderongia asymmetrica	Nelchinopsis microperforata sensu Nohr-Hansen, 1993	Nelchinopsis spp.				Tubotuberella spp.
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58				
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58				
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58				
	1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58									
	1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58									
	1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58									
	1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																																			

The palynomorphs are arranged after the first occurrence (FO), R – reworked, DC – dinocyst, AC – acritarch, MP – palynomorph, “+” – present outside counting, “?” – questionable