Table V-5 Occurrence chart of pollen and spores (By S. TOKUNAGA and his staff, Nippon Hiryo Co., Ltd.).

Genus Name \ Sample NO.	P58-1	P58-2	P58-3	P58-4	P58-5	P58-6	P58-7	P58-8	P58-9	P58-10	P59-1	P59-2	P59-3	P59-4	P59-5	P59-6	P59-7	P63-1	P63-2	P63-3	P63-3'	P63-4	P63-5
Abies	1.4	3.0	2.9	2.1	1.5	3.2	2.5	8.9	2.4	2.1	7.0	4.6	4.8	4.2	2.4	3.3	7.5	3.9	2.7	4.8	4.7	3.4	2.3
Picea	0.4	0.6	1.3	2.1	1.8	2.2	0.6	2.1	3.0	5.7	0.3	1.4	0.5	1.2	1.6	4.6	0.9		5.0	3.0	4.7	2.7	2.0
Pinus	4.7	20.6	14.8	6.2	12.6	14.1	11.4	11.4	11.6	11.2	30.1	12.5	15.7	21.2	16.1	11.6	8.1	6.8	8.7	12.4	10.8	6.8	4.6
Larix(or) Pseudotsuga									1.6	0.4									0.9	1.2	0.4	0.5	1.2
Tsuga sieboldii	1.3	1.2	3.5	5.0	8.1	2.0	0.8	2.9	8.7	6.0	2.1	2.3	5.3	4.8	2.6	4.6	3.7	2.1	2.4	2.6	2.8	2.3	2.9
T. diversifolia			2.3	2.1	1.8	0.5	1.9	2.9	2.0	2.8	0.5	0.5	0.2	0.3		1.4	0.9	0.7	1.5	0.6	2.1	2.4	2.7
TaxodiaceaeI	3.5	5.5	4.2	4.5	3.3	3.2	5.1	2.3	6.4	6.7	8.0	14.4	14.6	9.4	11.6	5.1	4.2	16.7	7.7	5.4	9.4	6.8	2.3
Cryptomeria	0.4		1.0	0.5	0.9	1.1	0.6		0.7	0.7	1.1	1.6	0.5	0.6	0.6	0.8	0.3	0.4	1.2	0.6	1.2		1.5
TaxodiaceaeII		1.6	0.3	3.1	1.2				1.3		1.5		2.3		1.9	0.8	0.3		1.2			0.5	0.6
Sciadopitys	0.4	1.2	1.6	1.0			1.6	3.6	2.3	1.1	2.5	1.6	3.0	4.5	4.0	1.5	0.9	6.0	1.8		0.8	1.0	0.6
Podocarpus	0.4	1.9	1.3	1.5	3.6	3.8	5.1	1.7	2.7	1.4	1.3	2.4	1.4	2.0	2.9	3.8	2.2	1.8	0.3	0.6		0.5	0.6
Ephedra														0.6	0.6			1.7					
(ΣAP1)%	11.5	16.6	22.4	14.2	25.8	26.1	28.6	41.8	44.5	41.7	100.1	48.5	49.2	72.6	73.3	56.8	31.1	39.1	46.3	41.1	44.5	41.1	24.3
(ΣAP1)N	26	67	100	80	119	165	81	133	154	130	227	111	105	165	187	210	100	110	157	132	108	68	136
Myrica	1.3	0.6	0.3	0.5	0.6					0.4				0.6					0.3	0.6	0.4		
Carya				0.5					0.3						0.3								
Juglans	0.4													0.6				2.8				0.5	0.3
Pterocarya	0.9	0.6	0.6	1.0	0.6	0.5						0.3				0.5	0.6		0.6		0.4		0.6
Salix	2.9		1.6	0.5	0.6			0.4	0.3	1.8	0.8		3.2		1.0	0.5	0.3	0.4	2.1		1.2	1.9	1.2
Alnus 4	5.9	1.8	1.6	3.8	3.6	5.4	2.5	1.4	1.7	3.6	0.3		1.2	0.1	0.3	0.8	1.9	0.7	2.7	2.6	2.2	4.9	3.3
A. 5	4.0	6.6	4.5	2.1	4.8	4.9	2.5	3.6	4.3	3.9	0.5		1.2		0.3	2.2	2.6	2.8	4.1	2.2	3.3	4.3	4.5
A. 6	0.4				1.8	3.8				0.7						0.8	1.2	0.4			0.4		
Betula	1.7	0.6	1.0	1.6	1.5	0.5	1.3		0.3	1.1	1.3	0.8	0.7	0.3	0.6	2.2	0.6	1.4	1.9	1.2	0.8	1.5	2.1
Carpinus	4.4	4.2	6.3	3.1	1.5	1.1	1.8		0.3	0.4		0.3	1.9	1.6	3.2	1.5	0.9	2.5	0.3	0.6	0.8	1.5	0.6
Corylus	0.9	1.2	1.9	1.5	1.2	2.7		0.4	1.3	2.5	0.3	0.3	1.2		1.0	1.4	1.9	1.1	1.5		2.0	2.4	4.3
Castanea	2.1	3.0	1.3	1.0	1.2	0.5	1.3		0.7	0.4	1.6	1.4	1.0		2.3	1.3	0.3		0.5	0.6	0.4	0.5	0.3
Castanopsis	3.1		0.6	0.5	0.3	0.5	1.3	1.1	1.3	0.7	2.6	2.6	3.5		2.6	1.5	0.6		1.9	0.6	1.6	1.0	1.3
Castanea-Castanopsis														3.8				6.0					
Fagus	0.4	1.2	1.3		1.5	1.1	1.6	1.7	0.3	1.1	1.1	0.5	1.4	1.8	1.6	0.8	1.2	1.4	2.4	1.8	2.4	1.0	1.5
Quercus (ever green)	2.8	0.5	3.9	4.0	2.1	1.6	1.5	1.7	2.0	1.4	2.2	2.7	2.7	2.9	3.5	3.0	2.5	6.8	0.3	0.6		0.5	1.2
Q. (deciduous)	17.3	14.3	15.1	18.8	17.2	12.7	12.6	11.0	14.3	12.4	10.8	14.9	16.2	12.9	13.5	16.0	21.1	11.7	14.1	14.8	13.9	15.3	12.0
Celtis	1.7	1.3	1.9	0.5	0.9	2.2	1.3	1.4	1.7	0.7	0.8	1.8	0.5	1.9	0.6	1.5	0.6	1.7			0.8	1.2	1.8
Ulmus	0.4	1.8	1.3	0.5	0.9	0.5	0.6	0.7	1.3	1.4	0.5	1.5	1.5		1.3	0.3	0.9		1.2	1.6	0.4	1.5	1.2
Zelkova	0.4	0.6	1.3			1.5	1.6	1.4	0.7	0.4			1.1	0.2	2.7	2.9	1.6	1.3	0.3				0.3
Moraceae						0.5	1.9									1.6							
Magnoliaceae																	1.3						
Corylopsis		0.6				0.6	0.5		0.8	1.0	1.4	0.5				1.6			0.6	0.6	0.4		
Hamamelis																	1.9					0.5	
Leguminosae														0.7	0.6			0.7		1.6		0.5	
Sapium			1.3		0.6		0.6			0.4			0.3	0.2		0.3	0.3	1.3				0.5	0.3
Rhus			1.2				0.6			0.4													
Aesculus																0.3							1.3
Ilex							1.1		1.3													1.5	
Tilia				0.6	1.0		0.5								0.3		0.3						
Elaeagnus								0.6	0.4									0.4					0.7
Ericaceae					0.5												0.3		0.3				0.3
Styrax						0.6												1.1					
Symplocos			0.6						0.4						0.3								
Buxus										1.3													
Coriaria ??				0.6																			

(ΣAP2)%	72.2	41.8	30.2	27.3	32.2	38.4	29.1	17.5	25.1	28.+	23.6	31.0	31.2	31.2	35.7	21.2	41.0	10.2	22.7	23.4	27.2	35.9	7.3
ΣAP2)N	161	69	94	53	101	58	46	49	[illegible]	19	87	114	135	103	111	78	132	41	77	39	61	73	103
(ΣAP1+ΣAP2)%	92.7	82.4	62.4	68.5	68.0	66.5	67.7	79.3	22.2	14.3	83.1	77.5	97.5	81.2	83.0	78.0	22.1	89.3	69.0	54.5	67.7	66.5	72.6
(ΣAP1+ΣAP2)N	187	136	94	133	226	123	107	222	46	209	314	285	340	280	258	288	232	257	234	91	177	137	239
Persicaria														0.3				0.4			0.4		
Caryophyllaceae			0.3					0.4							0.3			0.4	0.6		0.4		0.3
Chenopodiaceae	0.4		1.9	1.5	0.9	2.2	0.6	0.4	1.0		0.3	0.5	0.2		0.6		1.6		0.3			0.5	0.3
Thalictrum					0.3	0.5	0.6									0.3			1.2	1.8		0.5	0.3
Sanguisorba		0.6		0.5	0.3					0.4												0.5	
Umbelliferae	0.9		0.3	0.5	1.9	0.5								1.5		0.3		0.4	0.3		0.8	1.5	0.3
Nymphaeaceae															0.3								
Compositae Carduoideae		0.6	1.6	0.5	0.9	1.6		0.4				0.3		0.3		1.1	0.6		0.9	1.6	2.0	1.9	1.5
C. Artemisia		0.6	16.7	15.5	12.7	12.4	15.8	3.2	5.0	8.1	2.4	4.1	0.5	6.9	1.6	7.6	5.9	1.8	9.1	5.4	9.4	10.2	12.5
C. Cichorioideae			0.3	0.5	0.3	0.5			0.7	0.4	0.3								0.3				0.3
Potamogeton					1.6		1.6	0.4	0.3						0.3	0.3	0.6				0.4		
Gramineae		0.6	5.5	1.0	2.4	3.8	4.4	3.2	4.3	3.2	2.6	1.3	0.5	2.1	1.6	0.3	3.7	3.2	4.4	24.6	5.1	10.2	3.3
Sparganium			0.3											0.3					0.3				
Typha							0.6									1.5			0.6				
Cyperaceae			3.2	2.6	1.5	0.5	1.3	1.8	1.0	1.8	1.1	0.5	0.5	1.3	1.9	2.7	3.4		1.5	3.6	3.1	0.5	1.2
Patrinia																					0.4		
Rumex					0.3													1.1					
Amaranthaceae ??	0.4																						
Myrsinaceae??	0.4																						
Adenophora																					0.4		
(ΣNAP)%	2.2	2.4	30.2	22.7	21.1	22.2	24.1	7.6	2.4	13.8	1.6	2.7	1.6	5.8	6.8	13.0	15.8	2.1	19.5	38.9	22.4	25.7	26.1
(ΣNAP)N	5	4	94	44	70	41	38	27	37	39	25	10	7	19	21	48	51	20	66	65	57	53	65
C1								0.7	0.7	0.7		0.3			0.3		0.3		0.6		0.4	0.5	
P3	0.4		0.6										0.2						0.6				
P4															0.3	0.3							
C4				0.5		0.5																	
C3	1.3	1.8	1.6	2.6	1.5	1.1	1.3	0.7	0.7	1.4	0.5	2.7	2.1	0.9	1.9	1.1	0.6	1.7	1.5		0.4		1.8
C3P3	1.0	3.0	2.3	2.1	4.8	4.9	1.6	1.1	2.0	0.7	1.3	4.6	5.1	2.4	3.5	1.4	2.8	0.7	2.7	2.4	3.8	1.9	3.0
Inap.		3.6	0.3	1.0	1.5	1.6	3.2	2.2	1.7		0.8	3.0	3.7	1.8	1.6	0.3	0.9	0.7	0.9		0.4	0.5	0.9
(ΣIDP)%	5.8	8.5	18	6.2	7.8	8.1	5.1	6.7	5.0	2.8	0.6	10.1	11.1	5.2	6.8	3.0	3.1	2.1	6.2	2.4	3.9	2.9	5.8
(ΣIDP)N	13	14	15	12	26	15	8	16	15	8	10	37	48	17	21	11	15	6	21	4	10	6	19
Selaginellaceae																			0.3				
Lycopodiaceae	4.0	1.8		0.5	0.3			0.7		1.1	0.3			0.6		0.5			0.6	1.2		2.9	
Osmundaceae	0.4													1.3	0.3		0.6		0.3		0.4		0.6
Cicatricosisporites																0.3							
Polypodiaceae	0.9				0.6		1.6	0.4	2.0	2.1	1.1	1.4	0.2		1.0		0.6		1.2	1.8		1.5	
Monolete Spore	2.7	4.2	1.9	1.5	2.1	0.5	1.9	0.7	5.4	3.9	2.9	4.1	5.5	4.8	1.6	2.8	6.3	0.4		0.6	2.0	1.0	0.6
Trilete Spore	1.3	0.6	0.6	0.5		2.7	0.6	3.6	3.0	2.5	3.4	4.3	3.0	2.1	0.6	1.4	0.9	1.1	1.2	0.6	1.6	0.5	0.3
(ΣFS)%	9.3	6.7	2.6	2.5	3.0	3.2	3.2	5.4	10.4	9.5	2.7	9.8	8.8	7.9	3.5	6.0	7.5	1.4	5.3	4.2	3.9	4.9	1.5
(ΣFS)N	21	11	8	5	10	6	5	15	31	27	29	36	38	26	11	22	24	4	18	7	10	10	5
Σ(Pollen+Spore)%	100	100	100	99.9	99.9	100	100.1	100	100	100.1	100	100	100	100.1	100.1	100	100.1	99.9	100	100	99.9	100	100
Σ(Pollen+Spore)N	226	165	311	194	332	185	158	280	299	283	378	368	433	330	311	369	322	281	339	167	252	206	329
Dinoflagellates	2	3	1	2	1	7	1	8	2	7	2			2			1				1		
Hystrichosphaeridium		1	2														2	2	1		1		
Concentricystes																1							
Microforaminifere?							1		1	1	1		2		1		1				1	1	2