

APPENDIX A

SUPPORTING PAPERS

Publications resulting from work undertaken during PhD candidature.

- Spiller, F. C. P. 1996. Late Paleozoic radiolarians from the Bentong-Raub suture zone Peninsular Malaysia. *The Island Arc*, **5**, 91-103294
- Spiller, F. C. P. & Metcalfe, I. 1995a. Late Palaeozoic radiolarians from the Bentong-Raub suture zone, and the Semanggol Formation of Peninsular Malaysia - Initial Results. *Journal of Southeast Asian Earth Sciences*, **3**, 217-224307
- Spiller, F. C. P. & Metcalfe, I. 1995b. Palaeozoic and Mesozoic radiolarians from the Raub-Bentong suture zone and the Semanggol Formation of Peninsular Malaysia. *The Vietnamese Journal of Geology*, **5**, 75-93315

APPENDIX B

LOCALITY, GRID REFERENCE AND SAMPLE NUMBER CATALOGUE

APPENDIX B. List of localities, map sheet and map grid references, sample numbers for each locality, and an indication of whether each locality was radiolarian-bearing or barren.

Grid references and map names refer to 1:63,360 topographic map sheets published by the Director of National Mapping Malaysia.

LOCALITY	MAP SHEET AND GRID REFERENCE	SAMPLE NOS	RADIOLARIANS
KLK1	KUALA KUBU BAHARU 86 - GR592047	BR1 - BR6 BR82 - BR106 BR107 - BR129 BR694B - BR703 BR700 - BR716	Radiolarian-bearing (Upper Devonian)
KLK2	BENTONG 87 - GR880166	BR7 - BR16 BR130 - BR172 BR624 - BR655 BR735 - BR739	Radiolarian-bearing (Lower Permian)
KLK3A	BENTONG 87 - GR917099	BR19 - BR25 BR213 - BR237 BR742 - BR747	Radiolarian-bearing (age indeterminate)
KLK3B	BENTONG 87 - GR917099	BR238 - BR240 BR748 - BR753	Barren
KLK4	BENTONG 87 - GR995961	BR26 - BR31 BR799 - BR809	Radiolarian-bearing (Lower Carboniferous)
KLK5	BENTONG 87 - GR755274	BR32 - BR37 BR38 - BR39 BR40 - BR42 BR173 - BR190 BR512 - BR525	Radiolarian-bearing (Upper Devonian)
KLK5A	BENTONG 87 - GR755274	BR510 - BR511	Barren
KLK6	KUALA KUBU BAHARU 86 - GR524372	BR43 - BR48 BR299 - BR310 BR584 - BR594	Barren
KLK7	KUALA KUBU BAHARU 86 - GR719379	BR49	Barren
KLK8	KUALA KUBU BAHARU 86 - GR703391	-	-
KLK9	RAUB 77 - GR654536	BR50 - BR51	Barren
KLK10	RAUB 77 - GR657543	BR52 - BR53 BR609 - BR614	Barren
KLK11	RAUB 77 - GR610882	BR54 - BR59	Barren
KLK12	RAUB 77 - GR709545	BR60 - BR66	Barren
KLK13	KUALA KUBU BAHARU 86 - GR588035	BR67 BR68 - BR72 BR677 - BR694A	Radiolarian-bearing (Lower Carboniferous)
KLK14	KUALA KUBU BAHARU 86 - GR589037	BR74 - BR76	Barren
KLK15	KUALA KUBU BAHARU 86 - GR589038	BR77 - BR79	Barren
KLK16	KUALA KUBU BAHARU 86 - GR588042	BR80 - BR81	Barren
KLK17	BENTONG 87 - GR944060	BR241 - BR249	Barren
KLK18	BENTONG 87 - GR870166	BR250 - BR269 BR656 - BR676	Radiolarian-bearing (age indeterminate)
KLK19	KUALA KUBU BAHARU 86 - GR729358	BR270 - BR275	Barren
KLK20	KUALA KUBU BAHARU 86 - GR725367	BR276 - BR298 BR566 - BR579	Radiolarian-bearing (age indeterminate)
KLK21	KUALA KUBU BAHARU 86 - GR718385	BR311 - BR316	Barren
KLK22	KUALA KUBU BAHARU 86 - GR713387	BR317 - BR323 BR595 - BR599	Barren
KLK23	BENTONG 87 - GR738330	BR191 - BR212 BR526 - BR535	Barren
KLK25	RAUB 77 - GR637742	BR500 - BR503	Barren
KLK26	RAUB 77 - GR623780	BR504	Barren
KLK27	RAUB 77 - GR757651	BR505 - BR506	Barren
KLK28	RAUB 77 - GR695650	BR507 - BR509	Barren
KLK29	BENTONG 87 - GR749363	BR536	Barren
KLK30	BENTONG 87 - GR751367	BR537	Barren

LOCALITY	MAP SHEET AND GRID REFERENCE	SAMPLE NOS	RADIOLARIANS
KLK31	BENTONG 87 - GR743342	BR538 - BR554	Radiolarian-bearing (Permian)
KLK32	BENTONG 87 - GR741336	BR555 - BR565	Barren
KLK33	KUALA KUBU BAHARU 86 - GR723372	BR580 - BR583	Barren
KLK34	KUALA KUBU BAHARU 86 - GR665454	BR600	Barren
KLK35	KUALA KUBU BAHARU 86 - GR646533	BR601	Barren
KLK40	KUALA KUBU BAHARU 86 - GR553004	BR717 - BR734	Barren
T1	RAUB 77 - GR651536	BR324 - BR336 BR602 - BR608	Barren
T2	RAUB 77 - GR655541	BR337 - BR340	Barren
T3A	RAUB 77 - GR665553	BR341 - BR344 BR615 - BR623	Radiolarian-bearing (Upper Devonian)
T3B	RAUB 77 - GR665553	BR345 - BR348	Barren
CH1	GUNONG BEDONG 56 - GR031218	BR380 - BR399	Barren
CH2	GUNONG BEDONG 56 - GR034219	BR400 - BR406	Barren
CH3	GUNONG BEDONG 56 - GR034220	BR407 - BR410	Barren
CH4	GUNONG BEDONG 56 - GR034223	BR411 - BR412	Barren
CH6	KUALA BETIS 44 - GR044226	BR413 - BR416 BR931 - BR938	Radiolarian-bearing (Lower Carboniferous)
CH7	KUALA BETIS 44 - GR046227	BR417 - BR421	Radiolarian-bearing (Lower Carboniferous)
CH8	KUALA BETIS 44 - GR055238	BR422	Barren
CH9	KUALA BETIS 44 - GR061239	BR423 - BR424	Barren
CH10	KUALA BETIS 44 - GR064239	BR425 - BR427	Barren
CH11	KUALA BETIS 44 - GR068239	BR428	Barren
CH12	KUALA BETIS 44 - GR156238	CH 12 (Limestone olistolith)	Barren
CH13	KUALA BETIS 44 - GR182206	BR429 - BR430 BR431 - BR461 BR906 - BR910 BR911 - BR930	Radiolarian-bearing (Permian)
CH14	KUALA BETIS 44 - GR17921	BR462 - BR471	Radiolarian-bearing (Permian)
NS1	KUALA PILAH 104 - GR241371	KP1 - KP2 KP74 - KP85	Barren
NS2	KUALA PILAH 104 - GR289135	KP3 - KP45 KP78 - KP108	Radiolarian-bearing (Devonian and Carboniferous)
NS3	KUALA PILAH 104 - GR331243	KP46 - KP49	Barren
NS4	KUALA PILAH 104 - GR255331	KP50 - KP55	Barren
NS5	KUALA PILAH 104 - GR243359	KP56 - KP58 KP78 - KP77	Barren
NS7	KUALA KELAWANG 95 - GR001954	KP62 - KP73 BR780 - BR790 BR791 - BR794	Barren
NS8	KUALA KELAWANG 95 - GR021924	KP109 - KP114	Barren
K1	KUALA NERANG 1 - GR266632	AS1 - AS14 AS15 - AS56	Radiolarian-bearing (Lower, Upper Permian and Middle Triassic)
K2	KUALA NERANG 1 - GR290700	BB1 - BB33 BB34 - BB37 BB38 - BB44	Radiolarian-bearing (Permian)
K3	KUALA NERANG 1 - GR240639	BT1 - BR22 BT23 - BT33 BT34 - BR43	Radiolarian-bearing (Middle Triassic)
K4	KUALA NERANG 1 - GR238676	BT22A	Barren
K5A	SUNGEI TIANG 8 - GR219629	PS1 - PS5	Barren
K5B	SUNGEI TIANG 8 - GR219629	PS6 - PS19 PS119 - PS123	Radiolarian-bearing (Permian)

LOCALITY	MAP SHEET AND GRID REFERENCE	SAMPLE NOS	RADIOLARIANS
K6	SUNGEI TIANG 8 - GR251604	PS20 - PS32	Radiolarian-bearing (Permian)
K7	SUNGEI TIANG 8 - GR220540	PS33 - PS42	Barren
K8	SUNGEI TIANG 8 - GR225540	BN1 - BN19	Radiolarian-bearing (Permian)
K9	SUNGEI TIANG 8 - GR295594	PS44 - PS86 PS124 - PS129	Radiolarian-bearing (Permian and Middle Triassic)
K14	KUALA NERANG 1 - GR2608 4	PS87 - PS94 PS95 - PS100	Barren
K15	KUALA NERANG 1 - GR2396 8	PS101 - PS118	Radiolarian-bearing (Upper Permian)
K16	KUALA KETIL 17 - GR10920 9	BA29 - BA48	Radiolarian-bearing (Middle Triassic)
K17	BALING 18 - GR130233	BA49 - BA68	Radiolarian-bearing (Middle Triassic)
BALING	KUALA KETIL 17 - GR00919	BA1 - BA20	Barren
KK1	KUALA KANGSAR 41 - GR022282	P1 - P9 P15 - P45	Radiolarian-bearing (? Carboniferous)
KK2	KUALA KANGSAR 41 - GR023256	P11 - P14 P46 - P67	Radiolarian-bearing (age indeterminate)

APPENDIX C

LOCALITY MAPS

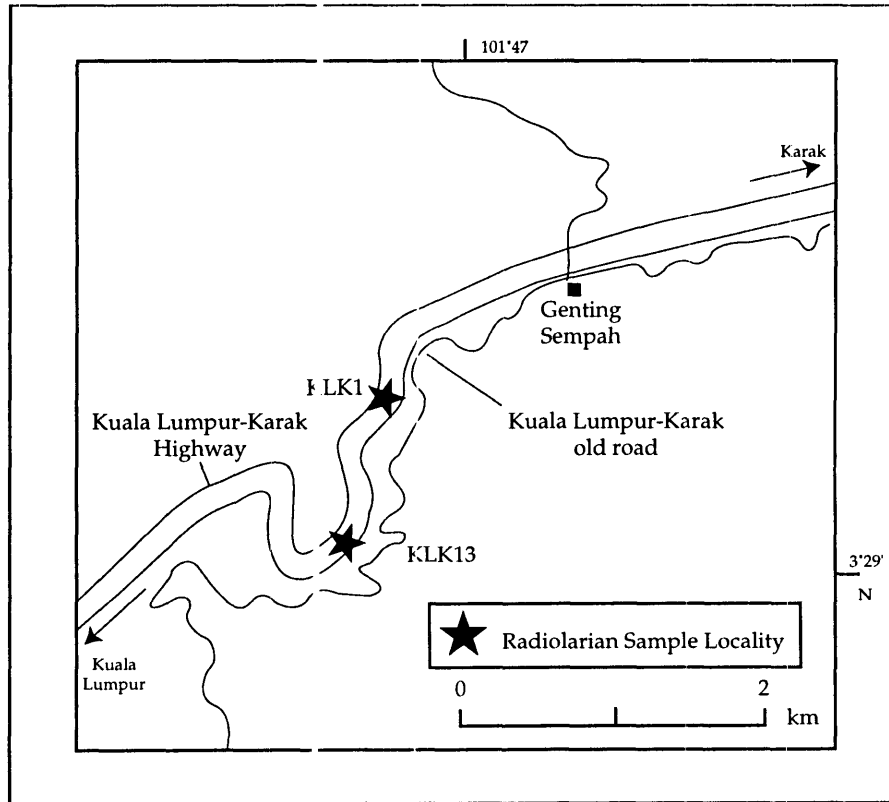


Figure C.1 Map illustrating location of productive sample localities KLK1 and KLK13, based on a section of 1:63,360 topographic map sheet KUALA KUBU BAHARU - 86.

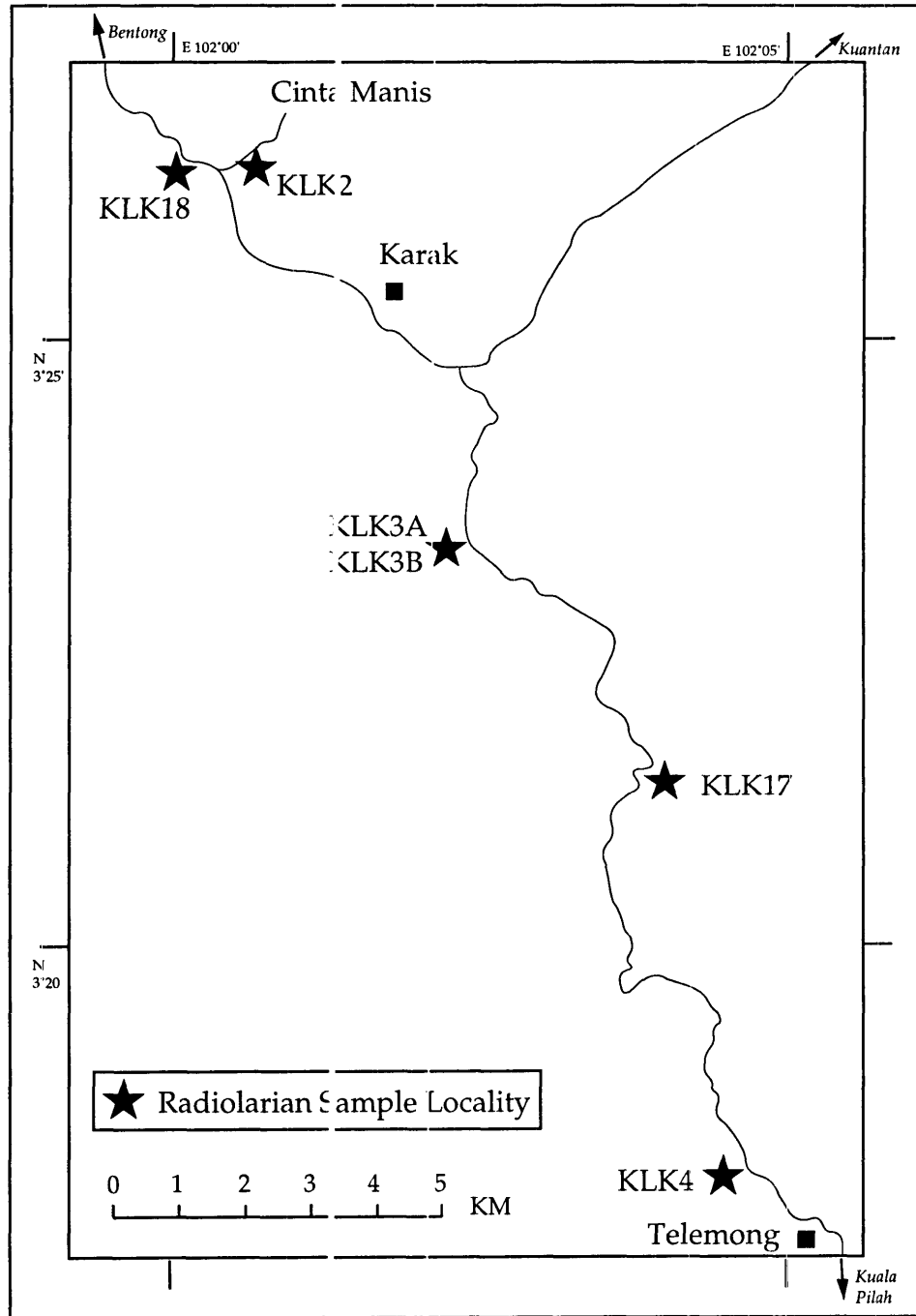


Figure C.2 Map illustrating location of productive sample localities KLK2, KLK3A/B, KLK4 and KLK18, based on a section of 1:63,360 topographic map sheet BENTONG - 87.

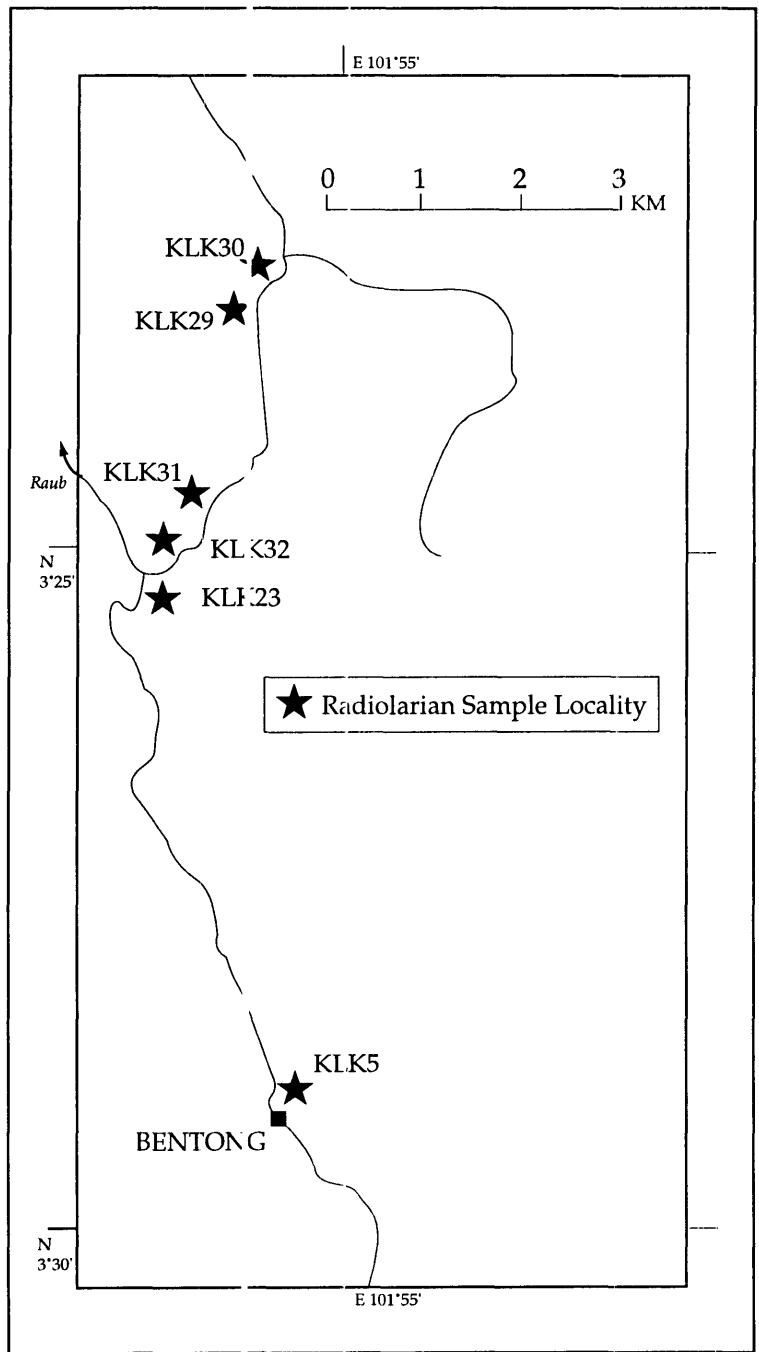


Figure C.3 Map illustrating location of productive sample localities KLK5 and KLK31, based on a section of 1:63,360 topographic map sheet BENTONG - 87.

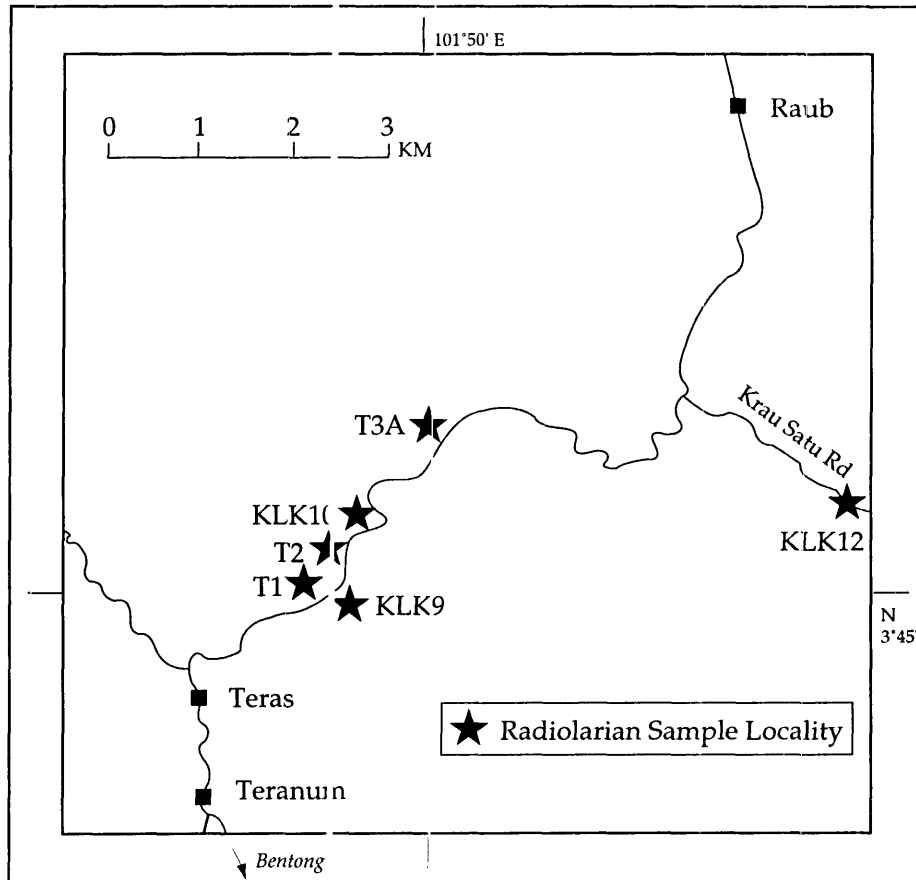


Figure C.4 Map illustrating location of productive sample locality T3A, based on a section of 1:63,360 topographic map sheet F AUB - 44.

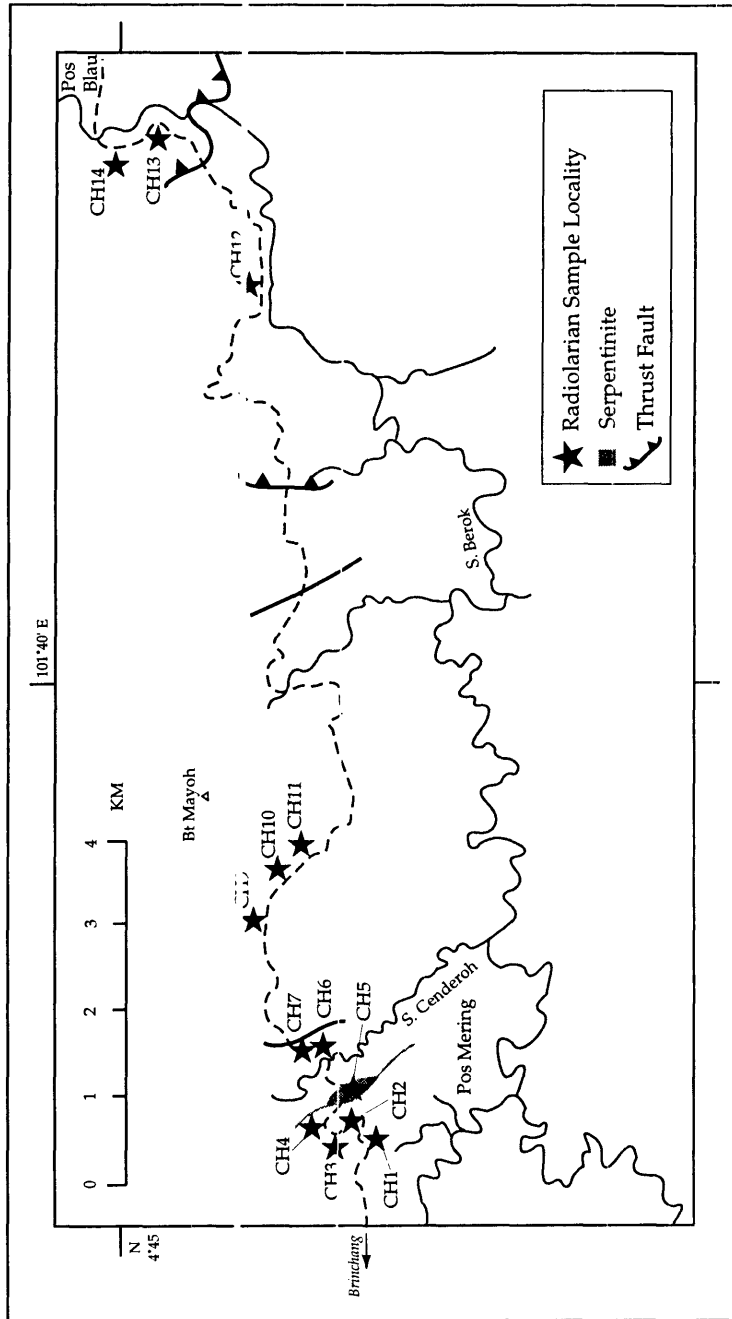


Figure C.5 Map illustrating location of productive sample localities CH6, CH7, CH13 and CH14 based on sections of 1:63,360 topographic map sheets GUNONG BEDONG - 56 and KUALA BETIS - 44.

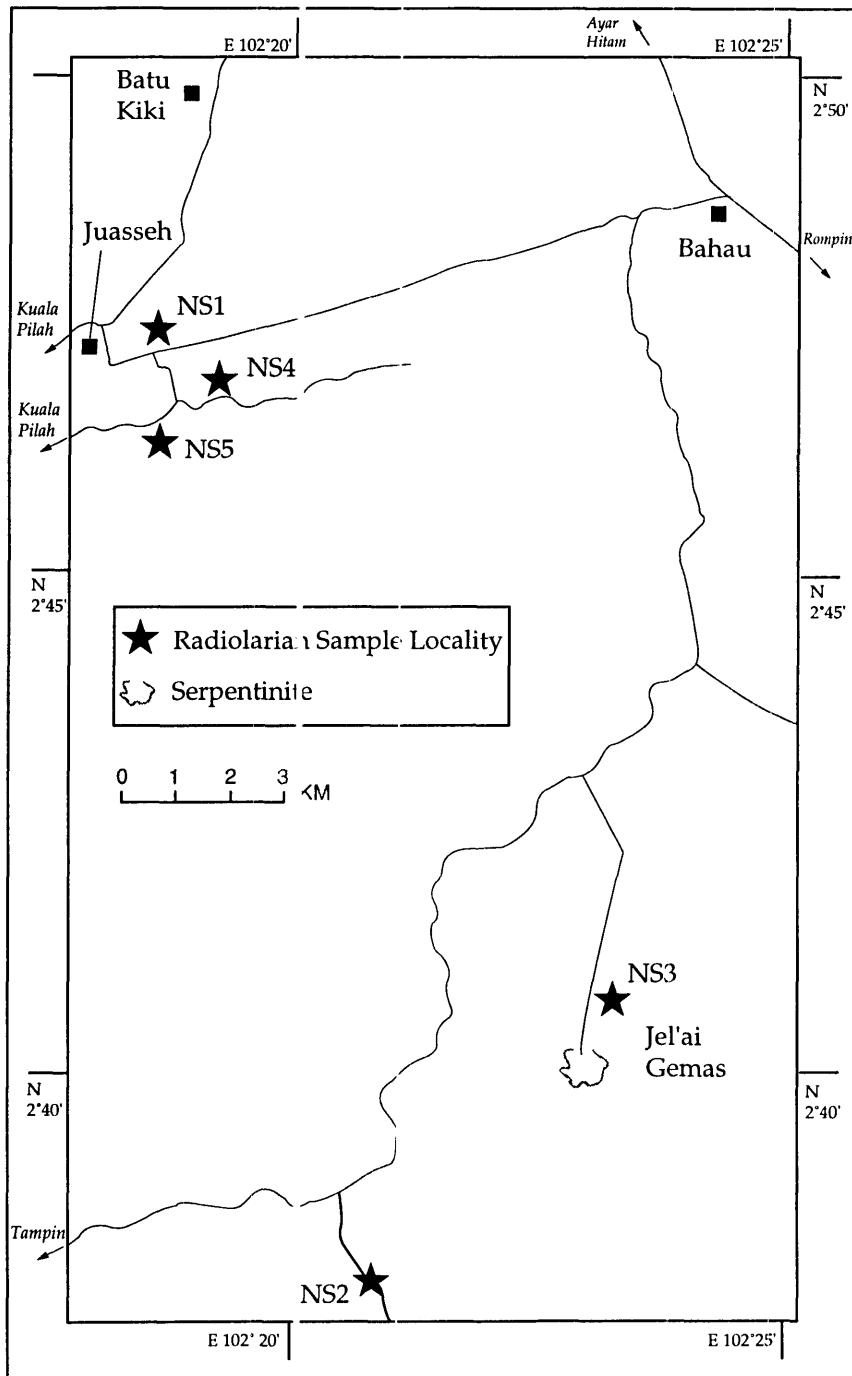


Figure C.6 Map illustrating location of productive sample locality NS2, based on a section of 1:63,360 topographic map sheet KUALA PILAH - 104.

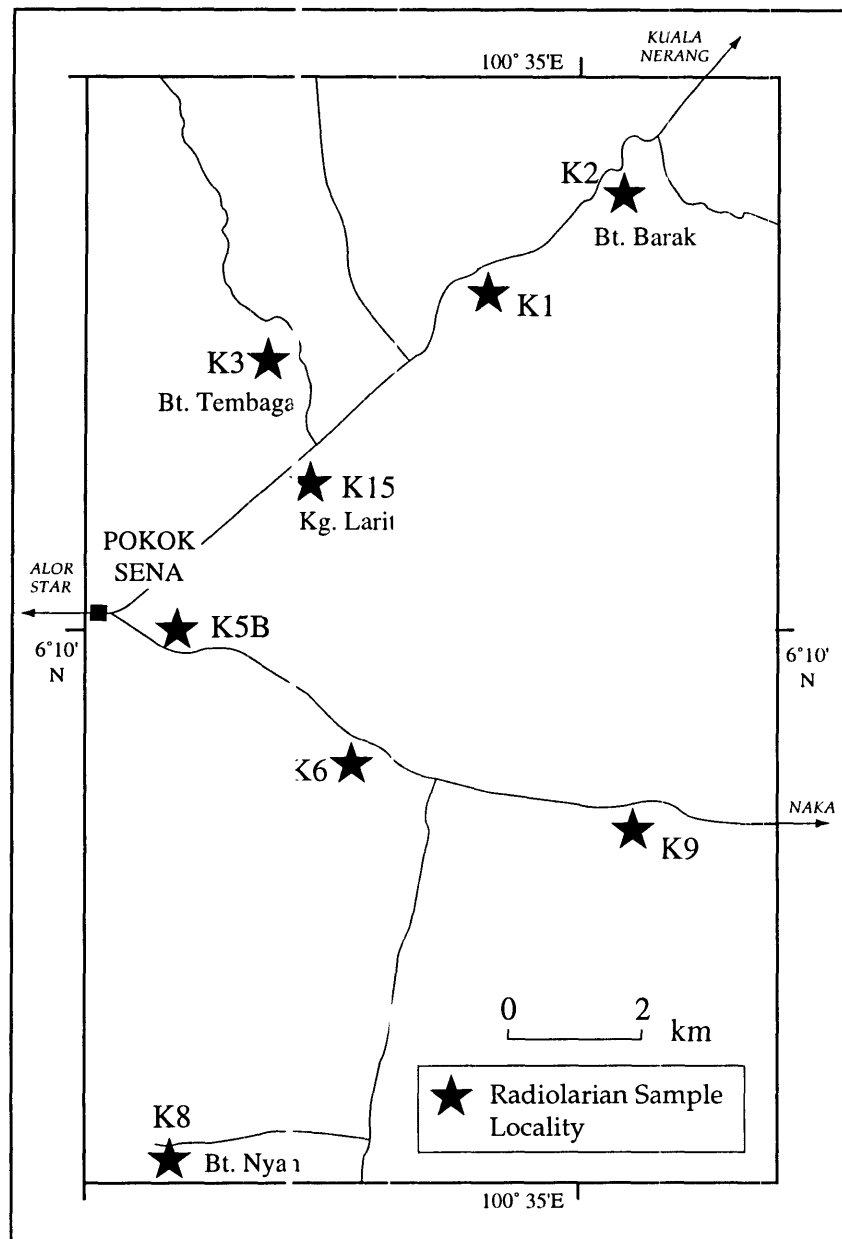


Figure C.7 Map illustrating location of productive sample localities K1, K2, K3, K5B, K6, K8, K9 and K15, based on sections of 1:63,360 topographic map sheets KUALA NERANG - 1 and SUNGEI TIANG - 8.

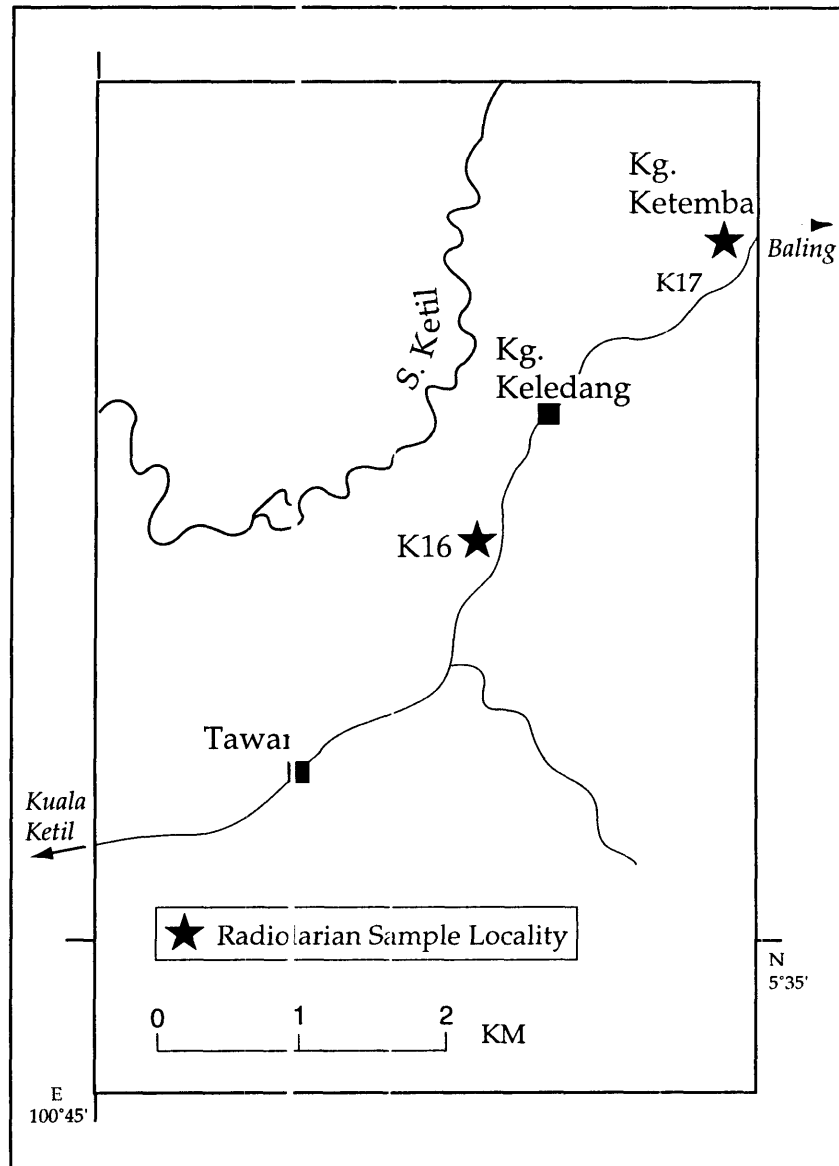


Figure C.8 Map illustrating location of productive sample localities K16 and K17, based on sections of 1:63,360 topographic map sheet KUALA KETIL - 17 and BALING - 18.

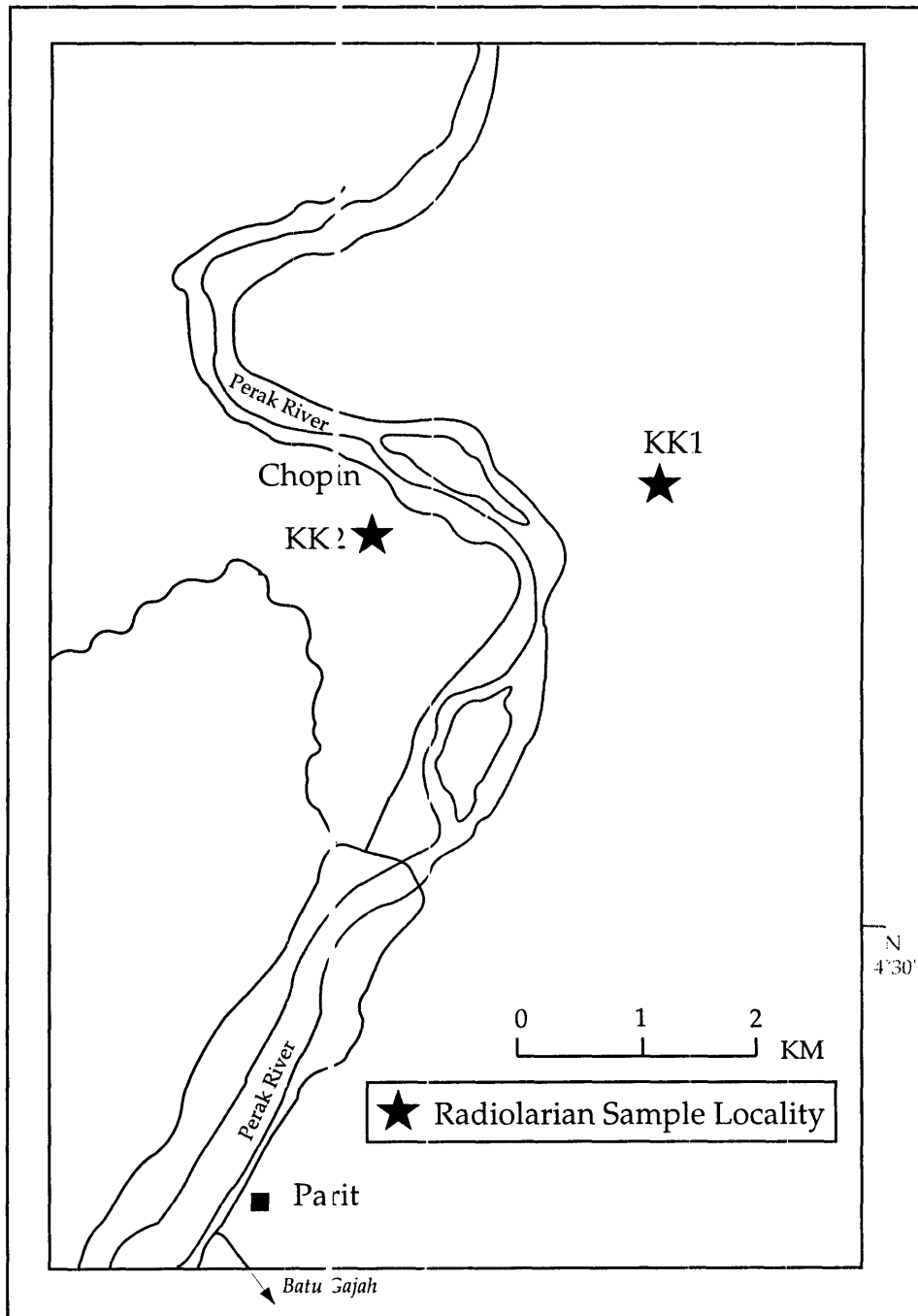


Figure C.9 Map illustrating location of productive sample localities KK1 and KK2, based on a section of 1:63,360 topographic map sheet KUALA KANGSAR - 41.

A.PPENDING D

RADIOLARIAN OCCURRENCE CHARTS / LOCALITY

SPECIES	SAMPLE							
		KLK1 - BR3	KLK1 - BR113	KLK1 - BR116	KLK1 - BR128	KLK1 - BR704 - FL	KLK1 - BR705 - FL	KLK1 - BR722
<i>Holoeciscus elongatus</i> Kiessling & Trage ehni								R
<i>Holoeciscus foremanae</i> Cheng						R		R
<i>Holoeciscus</i> sp.						R		
Entactiniidae gen et. sp. indet.		R	R	R	R	R	R	R
<i>Archocyrtium</i> sp.		R	R					R
<i>Archocyrtium</i> sp. A								R
<i>Archocyrtium</i> sp. B								R
<i>Archocyrtium</i> sp. C				R				
<i>Archocyrtium</i> sp. D								R
<i>Popofskyellum</i> sp.						R	R	
<i>Quadrupes</i> sp.								R

Table D.1 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality KLK1.

SPECIES	SAMPLE				
		KLK2 - BR624	KLK2 - BR627	KLK2 - BR628	KLK2 - BR629
<i>Albaillella asymetrica</i> Ishiga & Imoto		R			
<i>Albaillella sinuata</i> Ishiga & Watase		R		R	
<i>Pseudoalbaillella elongata</i> Ishiga & Imoto				R	
<i>Pseudoalbaillella scalprata</i> Holdsworth & Jones					
morphotype <i>rhombothoracata</i> Ishiga			R	R	
<i>Pseudoalbaillella</i> sp. A		R			
<i>Pseudoalbaillella</i> sp.			R		R

Table D.2 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality KLK2.

In all occurrence charts
R = rare occurrence
F = few
C = common

SPECIES	SAMPLE		
		KLK3A - BR227	KLK3A - BR229
Entactiniidae gen. et sp. indet.		R	R

Table D.3 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality KLK3A.

SPECIES	SAMPLE	
	KLK4 - BR26	KLK4 - BR31
<i>Albaillella deflandrei</i> Gourmelon		F
<i>Albaillella undulata</i> Deflandre		F
Entactiniidae gen. et sp. indet.	F	F

Table D.4 Radiolarian species and occurrence chart for all radiolarian-bearing samples from locality KLK4.

SPECIES	SAMPLE								
	KLK5 - BR32	KLK5 - BR33	KLK5 - BR34	KLK5 - BR35	KLK5 - BR36	KLK5 - BR37	KLK5 - BR181	KLK5 - BR182	KLK5 - BR183
<i>Holoeciscus elongatus</i> Kiessling & Tragelehn		R	R						
<i>Holoeciscus foremanae</i> Cheng		R							
<i>Holoeciscus</i> sp.		R							R
Entactiniidae gen. et sp. indet.	R	R	R	R	R	R	R	R	R
<i>Archocyrtium</i> sp.		R							R
<i>Popofskyellum</i> sp. cf. <i>P. hendrichsi</i> Cheng		R							
<i>Popofskyellum</i> sp.		R	R		R	R			

Table D.5 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality KLK5.

SPECIES	SAMPLE
	KLK13 - BR70
<i>Albaillella cartalla</i> Ormiston & Lane	R
<i>Stigmosphaerostylus variospina</i> (Won)	R
Entactiniidae gen. et sp. indet.	R
<i>Latentifistula impella</i> (Ormiston & Lane)	R
<i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)	R

Table D.6 Radiolarian species and occurrence chart for the radiolarian-bearing sample from locality KLK13.

SPECIES	SAMPLE		
		KLK18 - BR257	KLK18 - BR258
Albaillellidae gen. et sp. indet.		R	R

Table D.7 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality KLK18.

SPECIES	SAMPLE		
		KLK20 - BR277	KLK20 - BR278
Entactiniidae gen. et sp. indet.		R	R

Table D.8 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality KLK20.

SPECIES	SAMPLE		
		KLK31 - BR545	
<i>Pseudoalbaillella elegans</i> Ishiga & Imoto		R	R
<i>Pseudoalbaillella simplex</i> Ishiga & Imoto		R	R
<i>Latentifistula crux</i> Nazarov & Ormiston		R	R

Table D.9 Radiolarian species and occurrence chart for the radiolarian-bearing sample from locality KLK31.

SPECIES	SAMPLE	T3A - BR615	
		T3A - BR615	T3A - BR623
<i>Heliofere laticlavium</i> Nazarov & Ormiston		R	R
<i>Holoeciscus</i> sp.			R
<i>Palaeoscenedium cladophorum</i> Deflandre			R

Table D.10 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality T3A.

SPECIES	SAMPLE	T3B - BR437	
		T3B - BR437	T3B - BR437
Entactiniidae gen. et sp. indet.			R

Table D.11 Radiolarian species and occurrence chart for the radiolarian-bearing sample from locality T3B.

SPECIES	SAMPLE	NS2		
		NS2 - KP3	NS2 - KP4	NS2 - KP5
<i>Albaillella paradoxa</i> Deflandre		R	R	
<i>Albaillella undulata</i> Deflandre			R	
<i>Ceratoikiscum berggreni</i> Gourmelon			R	
<i>Holoeciscus foremanae</i> Cheng				R
<i>Holoeciscus</i> sp.				R
<i>Astroentactinia biaciculata</i> Nazarov		R	R	
<i>Astroentactinia mirousi</i> Gourmelon			R	
<i>Astroentactinia spatiosa</i> Braun			R	
<i>Stigmosphaerostylus vulgaris</i> (Won)			R	
<i>Polyentactinia polygonia</i> Foreman		R	R	
<i>Archocyrtium callimorphum</i> ? Braun			R	
<i>Archocyrtium eupectum</i> Braun			R	
<i>Archocyrtium pulchrum</i> Braun			R	
<i>Archocyrtium</i> sp.				R
<i>Pylentonema antiqua</i> Deflandre			R	
<i>Pylentonema mendax</i> (Deflandre)			R	

Table D.12 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality NS2.

SPECIES	SAMPLE		
	CH6 - BR414	CH6 - BR937	CH6 - BR938
<i>Albaillella cartalla</i> Ormiston & Lane	R	R	
<i>Albaillella furcata</i> Won	R		
<i>Albaillella</i> sp. aff. <i>A. spinosa</i> Cheng	R		
<i>Albaillella</i> sp. A aff. <i>A. undulata</i> Deflandre	R		R
<i>Albaillella</i> sp. B aff. <i>A. undulata</i> Deflandre	R		
<i>Stigmosphaerostylus variospina</i> (Won)		R	R
Entactiniidae gen. et sp. indet.	R	R	
<i>Latentifistula impella</i> (Ormiston & Lane)	R	R	R
<i>Latentifistula turgida</i> (Ormiston & Lane)	R	R	
<i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)		R	R

Table D.13 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality CH6.

SPECIES	SAMPLE		
	CH7 - BR417	CH7 - BR418	CH7 - BR421
<i>Albaillella</i> sp. B aff. <i>A. undulata</i> Deflandre		R	
<i>Stigmosphaerostylus variospina</i> (Won)		R	
Entactiniidae gen. et sp. indet.		R	R
<i>Latentifistula impella</i> (Ormiston & Lane)	R	R	
<i>Latentifistula turgida</i> (Ormiston & Lane)		R	
<i>Latentifistula</i> sp.	R	R	

Table D.14 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality CH7.

SPECIES	SAMPLE								
	CH14 - BR462	CH14 - BR463	CH14 - BR464	CH14 - BR466	CH14 - BR467	CH14 - BR468	CH14 - BR469	CH14 - BR470	CH14 - BR471
<i>Albaillella asymmetrica</i> Ishiga & Imoto		R							
<i>Pseudoalbaillella</i> sp.		R	R			R			
<i>Pseudoalbaillella fusiformis</i> (Holdsworth & Jones)				R				R	
<i>Pseudoalbaillella globosa</i> Ishiga & Imoto		R							
<i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto	R	R	R	R	R	R	R	R	R
<i>Pseudoalbaillella longtanensis</i> Sheng & Wang	R	R	R	R	R	R	R	R	R
<i>Hegleria mammilla</i> (Sheng & Wang)		R		R	R	R			
<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston				R					
<i>Latentifistula patagilaterala</i> Nazarov & Ormiston	R								
<i>Latentifistula</i> sp.	R				R	R			
<i>Pseudotormentus kamigoriensis</i> De Waver & Caridroit								R	
<i>Pseudotormentus</i> sp.	R			R				R	

Table D.15 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality CH14.

SPECIES	SAMPLE	CH13 - BR430FL	CH13 - BR432	CH13 - BR433	CH13 - BR436	CH13 - BR437	CH13 - BR438	CH13 - BR439	CH13 - BR440	CH13 - BR441	CH13 - BR442	CH13 - BR443	CH13 - BR444	CH13 - BR445	CH13 - BR446	CH13 - BR447	CH13 - BR448	CH13 - BR451	CH13 - BR452	CH13 - BR454	CH13 - BR455	CH13 - BR457	CH13 - BR458	CH13 - BR459	CH13 - BR460
<i>Albailletella asymmetrica</i> Ishiga & Imoto		R																R					R		
<i>Pseudobailletella</i> sp. cf. <i>Ps. lomenaria</i> Ishiga & Imoto																							R	R	
<i>Pseudobailletella ornata</i> Ishiga & Imoto																							R		
<i>Pseudobailletella sakumagensis</i> (Kozur)					R	R	R	R																	
<i>Pseudobailletella scalprata</i> Holdsworth & Jones m.																									
<i>Pseudobailletella rhombothoracata</i> Ishiga																									
<i>Pseudobailletella scalprata</i> Holdsworth & Jones m.																									
<i>Pseudobailletella scalprata</i> Ishiga																									
<i>Pseudobailletella</i> sp. B																									
? <i>Copycinira</i> sp.																									
<i>Hegleria mammilla</i> (Sheng & Wang)																									
<i>Stigmospaeroxylus</i> sp. cf. <i>S. tsukakichienensis</i> (Sashida & Tonishi)																									
<i>Stigmospaeroxylus</i> sp. cf. <i>S. pycnoclada</i> (Nazarov & Ormiston)																									
Entactinidae gen. et sp. indet.																									
<i>Meschedea permica</i> Sashida & Tonishi																									
<i>Latenifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston																									
<i>Latenifistula patagilaterala</i> Nazarov & Ormiston																									
<i>Latenifistula</i> sp. A																									
<i>Latenifistula</i> sp. B																									
<i>Latenifistula</i> sp. C																									
<i>Latenifistula</i> sp. D																									
<i>Latenifistula triacanthophora</i> Nazarov & Ormiston																									
<i>Polyfistula</i> sp.																									
<i>Quadrifistula</i> gen. et sp. indet.																									
<i>Ruzhencvispongus</i> sp.																									
<i>Ruzhencvispongus</i> sp.																									
<i>Pseudotormentus kamigoriensis</i> De Wever & Caridroit																									
<i>Pseudotormentus</i> sp. cf. <i>Ps. kamigoriensis</i> De Wever & Caridroit																									
<i>Pseudotormentus</i> sp.																									

Table D.16 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality CH13.

SPECIES	SAMPLE										
		KI - AS1	KI - AS18	KI - AS20	KI - AS7	KI - AS36	KI - AS37	KI - AS13	KI - AS14	KI - AS51	
<i>Pseudoalbaillella convexa</i> Rudenko & Panasenko											C
<i>Pseudoalbaillella longtanensis</i> ? Steng & Wang					R						
<i>Pseudoalbaillella</i> sp.						R	R				
<i>Follicucullus crenulatus</i> n.sp.											C
<i>Follicucullus dorsoconvexus</i> (Kozur)											C
<i>Follicucullus elongatus</i> n.sp.											C
<i>Follicucullus porrectus</i> Rudenko								R	R		
<i>Follicucullus scholasticus</i> Ormiston & Babcock									R	R	
<i>Follicucullus</i> sp.								R			
<i>Triassocampe coronata</i> Bragin		R	R								
<i>Triassocampe</i> sp.			R	R							
Latentifistulidae gen. et sp. indet.					R						

Table D.17 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality K1.

SPECIES	SAMPLE				
		K2 - BB15	K2 - BB16	K2 - BB23	K2 - BB27
<i>Albaillella levis</i> Ishiga & Imoto					R
<i>Follicucullus</i> sp.		R			
<i>Follicucullus monacanthus</i> Ishiga & Imoto			R	R	
<i>Follicucullus porrectus</i> Rudenko		R		R	
<i>Follicucullus scholasticus</i> Ormiston & Babcock			R	R	

Table D.18 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality K2.

SPECIES	SAMPLE						
		K5B - PS10	K5B - PS12	K5B - PS15	K5B - PS17	K5B - PS18	K5B - PS19
<i>Albaillella excelsa</i> Ishiga, Kito & Imoto		R	R			R	
<i>Albaillella levis</i> Ishiga, Kito & Imoto		R	R				
<i>Albaillella triangularis</i> Ishiga, Kito & Imoto							R
<i>Latentifistula</i> sp.				R	R		

Table D.19 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality K5B.

SPECIES	SAMPLE	K3 - BT1	K3 - BT2	K3 - BT3	K3 - BT4	K3 - BT5	K3 - BT6	K3 - BT7	K3 - BT8	K3 - BT9	K3 - BT10	K3 - BT11	K3 - ET12	K3 - ET14	K3 - ET15	K3 - BT16	K3 - BT17	K3 - BT18	K3 - BT19	K3 - BT20	K3 - BT22	K3 - BT23	K3 - BT24	K3 - BT25	K3 - BT27	K3 - BT28	K3 - BT31	K3 - BT32	K3 - BT33	K3 - BT35	K3 - BT38	K3 - BT39	K3 - BT40	K3 - BT41	K3 - BT42		
<i>Eptingium manfredi manfredi</i> (Dumitrica)																																					
<i>Eptingium manfredi robustum</i> Kozur & Mostler																																					
<i>Eptingium nakasekoi</i> Kozur & Mostler																																					
<i>Triassocampe deweyeri</i> (Nakaseko & Nishimura)																																					
<i>Pseudosyrlosphaera compacta</i> (Nakaseko & Nishimura)																																					
<i>Pseudosyrlosphaera japonica</i> (Nakaseko & Nishimura)																																					
<i>Pseudosyrlosphaera</i> sp. A																																					
<i>Pseudosyrlosphaera</i> sp. B																																					
<i>Oerlispungos inaequipinosus</i> Dumitrica, Kozur & Mostler																																					
<i>Sepsagon ladinicus</i> Kozur & Mostler																																					
Conodont fragments																																					

Table D.20 Radiolarian species and occurrence chart for all radiolarian-bearing samples from Locality K3.

SPECIES	SAMPLE	K6 - PS24	K6 - PS26
<i>Albaitiella excelsa</i> Ishiga, Kito & Imoto		R	R
<i>Albaitiella levis</i> Ishiga, Kito & Imoto		R	R

Table D.21 Radiolarian species and occurrence chart for all radiolarian-bearing samples from Locality K6.

SPECIES	SAMPLE					
		K8 - BN2	K8 - BN9	K8 - BN14	K8 - BN15	K8 - BN16
<i>Albaillella excelsa</i> Ishiga, Kito & Imoto		R	R		R	
<i>Albaillella levis</i> Ishiga, Kito & Imoto			R	R	R	
<i>Albaillella triangularis</i> Ishiga, Kito & Imoto			R			R
<i>Uberinterna virgispinosum</i> Sashida & Tonishi					R	
<i>Triplanospongy muschasiensis</i> Sashida & Tonishi			R		R	

Table D.22 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality K8.

SPECIES	SAMPLE								
		K9 - PS47	K9 - PS49	K9 - PS65	K9 - PS66	K9 - PS77	K9 - PS81	K9 - PS84	K9 - PS85
<i>Albaillella</i> sp.					R				
<i>Albaillella levis</i> Ishiga, Kito & Imoto		R							
<i>Follicucullus porrectus</i> Rudenko		R	R						
<i>Neoalbaillella ornithoformis</i> T. kemura & Nakaseko					R				
<i>Triplanospongy musashiensis</i> Sashida & Tonishi					R				
<i>Triassocampe</i> sp.							R	R	R
Conodont frags.					R	R			

Table D.23 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality K9.

SPECIES	SAMPLE						
		K15 - PS101	K15 - PS108	K15 - PS109	K15 - PS114	K15 - PS115	K15 - PS116
<i>Albaillella excelsa</i> Ishiga, Kito & Imoto					R		
<i>Albaillella levis</i> Ishiga, Kito & Imoto		R	R	R	R	R	R
<i>Albaillella triangularis</i> Ishiga, Kito & Imoto				R			
<i>Ishigaum</i> sp.							R
Latentifistulicæ gen. et. sp. indet.		R					R
Conodont fr. g.				R			

Table D.24 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality K15.

SPECIES	SAMPLE						
	K16 - BA29	K16 - BA30	K16 - BA31	K16 - BA33	K16 - BA34	K16 - BA35	K16 - BA36
<i>Eptingium</i> sp.				R			
<i>Triassocampe</i> sp.	R	R	R	R	R	R	R

Table D.25 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality K16.

SPECIES	SAMPLE				
	K17 - BA40	K17 - BA49	K17 - BA50	K17 - BA64	K17 - BA68
<i>Triassocampe</i> sp.	R	R	R	R	R

Table D.26 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality K17.

SPECIES	SAMPLE			
	KK1 - P30	KK1 - P31	KK1 - P32	KK1 - P42
<i>Albaillella</i> sp. aff. <i>A. deflandrei</i> ? Gourmelon				R
Entactiniidae gen. et sp. indet.	R	R	R	
Conodont fragments				R

Table D.27 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality KK1.

SPECIES	SAMPLE							
	KK2 - P46	KK2 - P48	KK2 - P49	KK2 - P55	KK2 - P58	KK2 - P59	KK2 - P64	KK2 - P67
Albaillellidae gen. et sp. indet.		R				R		R
Entactiniidae gen. et sp. indet.	R	R	R	R			R	
Conodont fragments				R	R			

Table D.28 Radiolarian species and occurrence chart for radiolarian-bearing samples from locality KK2.

APPENDIX E

SUMMARY TABLE OF RADIOLARIAN SPECIES / LOCALITY

APPENDIX E.

Summary of radiolarian species extracted from localities within Peninsular Malaysia

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
KLK1 - [KUALA KUBU BAHARU 86 - GR592047]		
KLK1-BR3	Entactiniidae gen. et sp. indet. <i>Archocyrtium</i> sp.	Upper Devonian/ Lower Carboniferous
KLK1-BR113	Entactiniidae gen. et sp. indet. <i>Archocyrtium</i> sp.	
KLK1-BR116	Entactiniidae gen. et sp. indet. <i>Archocyrtium</i> sp. C	
KLK1-BR128	Entactiniidae gen. et sp. indet.	
KLK1-BR704 (Float sample)	<i>Holoeciscus foremanae</i> Cheng <i>Holoeciscus</i> sp. Entactiniidae gen. et sp. indet. <i>Popofskyellum</i> sp.	
KLK1-BR705 (Float sample)	<i>Holoeciscus elongatus</i> Kiessling & Tragelehn <i>Holoeciscus foremanae</i> Cheng Entactiniidae gen. et sp. indet. <i>Archocyrtium</i> sp. A <i>Archocyrtium</i> sp. <i>Popofskyellum</i> sp.	Upper Devonian (Famennian)
KLK1-BR722	Entactiniidae gen. et sp. indet. <i>Archocyrtium</i> sp. B <i>Archocyrtium</i> sp. D <i>Quadrapesus</i> sp.	
(87 additional barren samples.)		
KLK2 - [BENTONG 87 - GR880166]		
KLK2-BR624	<i>Albaillella asymmetrica</i> Ishiga & Imoto <i>Albaillella sinuata</i> Ishiga & Watase <i>Pseudoalbaillella</i> sp. A	<i>Albaillella sinuata</i> zone Lower Permian Leonardian
KLK2-BR627	<i>Pseudoalbaillella scalprata</i> Holdsworth & Jones m. <i>rhombothoracata</i> Ishiga <i>Pseudoalbaillella</i> sp.	
KLK2-BR628	<i>Albaillella sinuata</i> Ishiga & Watase <i>Pseudoalbaillella elongata</i> Ishiga & Imoto <i>Pseudoalbaillella scalprata</i> Holdsworth & Jones m. <i>rhombothoracata</i> Ishiga	
KLK2-BR629	<i>Pseudoalbaillella</i> sp.	
(102 additional barren samples.)		

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
KLK3A - [BENTONG 87 - GR917099]		
KLK3A-BR227	Entactiniidae gen. et sp. indet.	Indeterminate
KLK3A-BR229	Entactiniidae gen. et sp. indet.	
(37 additional barren samples.)		
KLK4 - [BENTONG 87 - GR995961]		
KLK4-BR26	Entactiniidae gen. et sp. indet.	
KLK4-BR31	<i>Albaillella deflandri</i> Gourmelon <i>Albaillella undulata</i> Deflandre Entactiniidae gen. et sp. indet.	<i>Albaillella deflandrei</i> zone Lower Carboniferous (Tournaisian)
(14 additional barren samples.)		
KLK5 - [BENTONG 87 - GR755274]		
KLK5-BR32	Entactiniidae gen. et sp. indet.	
KLK5-BR33	<i>Holoeciscus elongatus</i> Kiessling & Tragelehn <i>Holoeciscus foremaniae</i> Cheng <i>Holoeciscus</i> sp. Entactiniidae gen. et sp. indet. <i>Archocyrtium</i> sp. <i>Popofskyellum</i> sp. cf. <i>P. hendricksi</i> Cheng <i>Popofskyellum</i> sp.	<i>Holoeciscus</i> 2-3 Ass. zone Upper Devonian (Famennian)
KLK5-BR34	<i>Holoeciscus elongatus</i> Kiessling & Tragelehn Entactiniidae gen. et sp. indet. <i>Popofskyellum</i> sp.	
KLK5-BR35	Entactiniidae gen. et sp. indet.	
KLK5-BR36	Entactiniidae gen. et sp. indet. <i>Popofskyellum</i> sp.	
KLK5-BR37	Entactiniidae gen. et sp. indet. <i>Popofskyellum</i> sp.	
KLK5-BR181	Entactiniidae gen. et sp. indet.	
KLK5-BR182	Entactiniidae gen. et sp. indet.	
KLK5-BR183	<i>Holoeciscus</i> sp. Entactiniidae gen. et sp. indet. <i>Archocyrtium</i> sp.	
(34 additional barren samples.)		

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
KLK13 - [KUALA KUBU BAHARU 86 - GR577035]		
KLK13-BR70	<i>Albaillella cartalla</i> Ormiston & Lane <i>Stigmosphaerostylus variospina</i> (Won) Entactiniidae gen. et sp. indet. <i>Latentifistula impellii</i> (Ormiston & Lane) <i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)	<i>Albaillella cartalla</i> zone Lower Carboniferous (Viséan)
(23 additional barren samples.)		
KLK18 - [BENTONG 87 - GR870166]		
KLK18-BR257	Entactiniidae gen. et sp. indet.	Indeterminate
KLK18-BR258	Entactiniidae gen. et sp. indet.	
(40 additional barren samples.)		
KLK20 - [KUALA KUBU BAHARU 86 - GR725367]		
KLK20-BR277	Entactiniidae gen. et sp. indet.	Indeterminate
KLK20-BR278	Entactiniidae gen. et sp. indet.	
(35 additional barren samples.)		
KLK31 - [BENTONG 87 - GR743342]		
KLK31-BR545	<i>Pseudoalbaillella e. egans</i> Ishiga & Imoto <i>Pseudoalbaillella simplex</i> Ishiga & Imoto <i>Latentifistula crux</i> Nazarov & Ormiston	<i>Ps. u-forma</i> m. II zone Lower Permian (Wolfcampian)
(16 additional barren samples.)		
T3A - [RAUB 77 - GR665553]		
T3A-BR615	<i>Helenifore laticlavi im</i> Nazarov & Ormiston	
T3A-BR623	<i>Helenifore laticlavi im</i> Nazarov & Ormiston <i>Holoeciscus</i> sp. <i>Palaeoscenidium cludophorum</i> Deflandre	Upper Devonian (Famennian)
(11 additional barren samples.)		

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
T3B - [RAUB 77 - 665553]		
T3B-BR437	Entactiniidae gen. et sp. indet.	Indeterminate
(3 additional barren samples.)		
NS2 - [KUALA PILAH 104 - GR241371]		
NS2-KP3	<i>Albaillella paradoxa</i> Deflandre <i>Astroentactinia biaculata</i> Nazarov <i>Polyentactinia polyzona</i> Foreman	Lower Carboniferous (Viséan)
NS2-KP4	<i>Albaillella paradoxa</i> Deflandre <i>Albaillella undulata</i> Deflandre <i>Ceratoikiscum bergi reni</i> Gourmelon <i>Astroentactinia biaculata</i> Nazarov <i>Astroentactinia mirousi</i> Gourmelon <i>Astroentactinia spatiosa</i> Braun <i>Entactinia vulgaris</i> Non <i>Polyentactinia polyzona</i> Foreman <i>Archocyrtium callimorphum</i> ? Braun <i>Archocyrtium eupeum</i> Braun <i>Archocyrtium pulchrum</i> Braun <i>Pylentonema antiquum</i> Deflandre <i>Pylentonema mendacium</i> (Deflandre)	<i>Albaillella deflandrei</i> zone Lower Carboniferous (Viséan)
NS2-KP5	<i>Holoeciscus foremaniae</i> Cheng <i>Holoeciscus</i> sp. <i>Archocyrtium</i> sp.	<i>Holoeciscus</i> 2-3 Ass. zone Upper Devonian (Famennian)
(71 additional barren samples.)		
CH6 - [KUALA BETIS 44- GR044226]		
CH6-BR414	<i>Albaillella cartalla</i> Ormiston & Lane <i>Albaillella furcata</i> Won <i>Albaillella</i> sp. aff. <i>A. spinosa</i> Cheng <i>Albaillella</i> sp. A aff. <i>A. undulata</i> Deflandre <i>Albaillella</i> sp. B aff. <i>A. undulata</i> Deflandre Entactiniidae gen. et sp. indet. <i>Latentifistula impellata</i> (Ormiston & Lane) <i>Latentifistula turgidata</i> (Ormiston & Lane)	<i>Albaillella cartalla</i> zone Lower Carboniferous (Viséan)
CH6-BR937	<i>Albaillella cartalla</i> Ormiston & Lane <i>Stigmosphaerostylus variospina</i> (Won) Entactiniidae gen. et sp. indet. <i>Latentifistula impellata</i> (Ormiston & Lane) <i>Latentifistula turgidata</i> (Ormiston & Lane) <i>Latentifistula</i> sp. aff. <i>L. turgidata</i> (Ormiston & Lane)	

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
CH6 Cont'd		
CH6-BR938	<i>Albaillella</i> sp. A aff. <i>A. undulata</i> Deflandre <i>Stigmosphaerostylus variospina</i> (Won) <i>Latentifistula impellii</i> (Ormiston & Lane) <i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)	
(9 additional barren samples.)		
CH7 - [KUALA BETIS 44 - GR046227]		
CH7-BR417	<i>Latentifistula impellii</i> (Ormiston & Lane) <i>Latentifistula</i> sp.	
CH7-BR418	<i>Albaillella</i> sp. B aff. <i>A. undulata</i> Deflandre <i>Stigmosphaerostylus variospina</i> (Won) Entactiniidae gen. et sp. indet. <i>Latentifistula impellii</i> (Ormiston & Lane) <i>Latentifistula turgida</i> (Ormiston & Lane) <i>Latentifistula</i> sp.	<i>Albaillella cartalla</i> zone Lower Carboniferous (Viséan)
CH7-BR421	Entactiniidae gen. et sp. indet.	
(2 additional barren samples.)		
CH13 - [KUALA BETIS 44 - GR182205]		
CH13-BR430 (Float sample)	<i>Albaillella asymmetrica</i> Ishiga & Imoto <i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Ruzhencevispongius uralicus</i> Kozur <i>Pseudotormentus kamigoriensis</i> De Wever & Caridroit <i>Pseudotormentus</i> sp. cf. <i>Ps. kamigoriensis</i> De Wever & Caridroit	Lower Permian
CH13-BR432	<i>Stigmosphaerostylus</i> sp. cf. <i>S. pycnoclada</i> (Nazarov & Ormiston)	
CH13-BR433	<i>Pseudotormentus kamigoriensis</i> De Wever & Caridroit	
CH13-BR436	<i>Pseudoalbaillella sikmarensis</i> (Kozur) <i>Stigmosphaerostylus</i> sp. cf. <i>S. pycnoclada</i> (Nazarov & Ormiston) <i>Latentibifistula triacanthophora</i> Nazarov & Ormiston <i>Quadriremis gliptonicus</i> Nazarov & Ormiston Latentifistulidae gen. et sp. indet.	<i>Ps. lomentaria</i> zone Lower Permian (Wolfcampian)

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
CH13 Cont'd		
CH13-BR437	<i>Pseudoalbaillella ornata</i> Ishiga & Imoto <i>Pseudoalbaillella sakmarensis</i> (Kozur) <i>Pseudoalbaillella scalprata</i> Holdsworth & Jones m. <i>scalprata</i> Ishiga <i>Stigmosphaerostylus</i> sp. cf. <i>S. itsukaichiensis</i> (Sashida & Tonishi) <i>Latentibifistula</i> sp. B <i>Latentibifistula</i> sp. D <i>Latentibifistula triacanthophora</i> Nazarov & Ormiston <i>Ruzhencevispongus</i> sp. <i>Pseudotormentus</i> sp.	
CH13-BR438	<i>Pseudoalbaillella ornata</i> Ishiga & Imoto <i>Pseudoalbaillella sakmarensis</i> (Kozur) <i>Stigmosphaerostylus</i> sp. cf. <i>S. itsukaichiensis</i> (Sashida & Tonishi) <i>Latentibifistula</i> sp. B <i>Latentibifistula</i> sp. C <i>Latentibifistula</i> sp. D <i>Latentibifistula triacanthophora</i> Nazarov & Ormiston <i>Quadriremis gliptocetus</i> Nazarov & Ormiston <i>Latentifistulidae</i> gen. et sp. indet. <i>Ruzhencevispongus uralicus</i> Kozur <i>Pseudotormentus kamigoriensis</i> De Wever & Caridroit <i>Pseudotormentus</i> sp.	<i>Ps. lomentaria</i> zone Lower Permian (Wolfcampian)
CH13-BR439	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Latentibifistula</i> sp. A <i>Latentibifistula</i> sp. B <i>Latentibifistula triacanthophora</i> Nazarov & Ormiston <i>Latentifistulidae</i> gen. et sp. indet. <i>Ruzhencevispongus uralicus</i> Kozur	
CH13-BR440	<i>Pseudoalbaillella sakmarensis</i> (Kozur) <i>Pseudoalbaillella scalprata</i> sp. Holdsworth & Jones m. <i>scalprata</i> Ishiga ?Copycintra sp. <i>Meschedea permica</i> Sashida & Tonishi <i>Latentibifistula</i> sp. A <i>Latentibifistula</i> sp. B <i>Latentibifistula</i> sp. D <i>Polyfistula</i> sp. <i>Pseudotormentus kamigoriensis</i> De Wever & Caridroit	
CH13-BR441	<i>Latentibifistula</i> sp. D <i>Pseudotormentus</i> sp.	

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
CH13 Cont'd		
CH13-BR442	<i>Latentibifistula</i> sp. D	
CH13-BR443	<i>Pseudoalbaillella samarensis</i> (Kozur) <i>Pseudoalbaillella scalprata</i> Holdsworth & Jones m. <i>rhombothoracata</i> Ishiga <i>Pseudoalbaillella scalprata</i> Holdsworth & Jones m. <i>scalprata</i> Ishiga <i>Stigmosphaerostylus</i> sp. cf. <i>S. itsukaichiensis</i> (Sashida & Tonishi) <i>Stigmosphaerostylus</i> sp. cf. <i>S. pycnoclada</i> (Nazarov & Ormiston) <i>Latentibifistula triacanthophora</i> Nazarov & Ormiston Latentifistulidae gen. et sp. indet. <i>Pseudotormentus</i> sp. cf. <i>Ps. kamigoriensis</i> De Wever & Caridroit	
CH13-BR444	<i>Latentibifistula</i> sp. B <i>Quadriremis gliptococcus</i> Nazarov & Ormiston <i>Ruzhencevispongos uralicus</i> Kozur	
CH13-BR445	<i>Latentibifistula</i> sp. B	
CH13-BR446	<i>Latentifistula patagi'aterala</i> Nazarov & Ormiston <i>Ruzhencevispongos uralicus</i> Kozur	
CH13-BR447	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Polyfistula</i> sp. <i>Ruzhencevispongos uralicus</i> Kozur	
CH13-BR448	<i>Latentifistula patagi'aterala</i> Nazarov & Ormiston	
CH13-BR451	<i>Albaillella asymmetrica</i> Ishiga & Imoto <i>Hegleria mammilla</i> (Sheng & Wang) <i>Latentibifistula</i> sp. C <i>Ruzhencevispongos uralicus</i> Kozur <i>Pseudotormentus kamigoriensis</i> De Wever & Caridroit	
CH13-BR452	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Ruzhencevispongos uralicus</i> Kozur	
CH13-BR454	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston	
CH13-BR455	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston	
CH13-BR457	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Quadriremis gliptococcus</i> Nazarov & Ormiston	
CH13-BR458	<i>Albaillella asymmetrica</i> Ishiga & Imoto <i>Pseudoalbaillella</i> sp. cf. <i>Ps. lomentaria</i> Ishiga & Imoto <i>Pseudoalbaillella scalprata</i> Holdsworth & Jones <i>rhombothoracata</i> Ishiga <i>Pseudoalbaillella</i> sp. B <i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Latentibifistula</i> sp. B	<i>Ps. scalprata</i> m. <i>rhombothoracata</i> zone Lower Permian (upper Wolfcampian)

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
CH13 Cont'd		
CH13-BR459	<i>Albaillella asymmetrica</i> Ishiga & Imoto <i>Pseudoalbaillella sculprata</i> Holdsworth & Jones <i>rhombothoracata</i> Ishiga <i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Latentibifistula</i> sp. B	
CH13-BR460	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Latentibifistula</i> sp. A	
(9 additional barren samples.)		
CH14 - KUALA BETIS 44 - GR179211]		
CH14-BR462	<i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang <i>Latentifistula patagilaterala</i> Nazarov & Ormiston <i>Latentifistula</i> sp. <i>Pseudotormentus</i> sp.	<i>Ps. longtanensis</i> zone Permian (Leonardian)
CH14-BR463	<i>Albaillella asymmetrica</i> Ishiga & Imoto <i>Pseudoalbaillella</i> sp. <i>Pseudoalbaillella globosa</i> Ishiga & Imoto <i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang <i>Hegleria mammilla</i> (Sheng & Wang)	Uppermost <i>Ps. longtanensis</i> - lowermost <i>Ps. globosa</i> zone (upper Leonardian-lower Guadalupian boundary)
CH14-BR464	<i>Pseudoalbaillella</i> sp. <i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang	
CH14-BR466	<i>Pseudoalbaillella fusiformis</i> (Holdsworth & Jones) <i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang <i>Hegleria mammilla</i> (Sheng & Wang) <i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston <i>Latentifistula patagilaterala</i> Nazarov & Ormiston <i>Pseudotormentus</i> sp.	
CH14-BR467	<i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang <i>Hegleria mammilla</i> (Sheng & Wang) <i>Latentifistula</i> sp.	

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
CH14 Cont'd		
CH14-BR468	<i>Pseudoalbaillella</i> sp. <i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang <i>Hegleria mammilla</i> (Sheng & Wang) <i>Latentifistula</i> sp.	
CH14-BR469	<i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang	
CH14-BR470	<i>Pseudoalbaillella fusiformis</i> (Holdsworth & Jones) <i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang <i>Pseudotormentus kangoriensis</i> De Wever & Caridroit <i>Pseudotormentus</i> sp.	
CH14-BR471	<i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto <i>Pseudoalbaillella longtanensis</i> Sheng & Wang	
(1 additional barren sample.)		
K1 - [K JALA NERANG 1 - GR266682]		
K1-AS1	<i>Triassocampe coronata</i> Bragin	Middle Triassic (Anisian)
K1-AS18	<i>Triassocampe coronata</i> Bragin <i>Triassocampe</i> sp.	<i>Triassocampe coronata</i> zone
K1-AS20	<i>Triassocampe</i> sp.	
K1-AS7	<i>Pseudoalbaillella longtanensis</i> ? Sheng & Wang Latentifistulidae gen. et sp. indet.	(uppermost Leonardian) ? <i>Ps. longtanensis</i> zone
K1-AS36	<i>Pseudoalbaillella</i> sp.	
K1-AS37	<i>Pseudoalbaillella</i> sp.	
K1-AS13	<i>Follicucullus porrectus</i> Rudenko <i>Follicucullus</i> sp.	Upper Permian (Guadalupian) <i>Follicucullus porrectus</i> zone
K1-AS14	<i>Follicucullus porrectus</i> Rudenko <i>Follicucullus scholasticus</i> Ormiston & Babcock	
K1-AS51	<i>Pseudoalbaillella convexa</i> Rudenko & Panasenko <i>Follicucullus cremilatus</i> n. sp. <i>Follicucullus dorsoconvexus</i> (Kozur)	Upper Permian (Guadalupian) <i>Follicucullus porrectus</i> zone

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
K. Cont'd		
<i>Follicucullus elongatus</i> n. sp. <i>Follicucullus scholasticus</i> Ormiston & Babcock (47 additional barren samples.)		
K2 - [KUJALA NERANG 1 - GR290700]		
K2-BB15	<i>Follicucullus</i> sp. <i>Follicucullus porrectus</i> Rudenko	Upper Permian (Guadalupian)
K2-BB16	<i>Follicucullus monacanthus</i> Ishiga & Imoto <i>Follicucullus scholasticus</i> Ormiston & Babcock	
K2-BB23	<i>Follicucullus monacanthus</i> Ishiga & Imoto <i>Follicucullus porrectus</i> Rudenko <i>Follicucullus scholasticus</i> Ormiston & Babcock	<i>Follicucullus porrectus</i> zone Upper Permian (Guadalupian)
K2-BB27	<i>Albaillella levis</i> Ishiga & Imoto	<i>Neobaillella optima-Ne. ornithiformis</i> zone Upper Permian (Guadalupian)
(40 additional barren samples.)		
K3 - [KUJALA NERANG 1 - GR240669]		
K3-BT1 - K3-BT7	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)	
K3-BT8	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera japonica</i> (Nakaseko & Nishimura)	Middle Triassic (upper Anisian - Ladinian)
K3-BT9 - K3-BT20	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)	
K3 BT22	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera compacta</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera japonica</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera</i> sp. B <i>Baumgartneria bifurcata</i> Dunitrica Conodont fragments	<i>Triassocampe deweveri</i> zone Triassic (lower Ladinian)
K3-BT23	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)	
K3-BT24	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)	

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
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K3 Cont'd

K3-BT25	<i>Triassocampe deweyeri</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera japonica</i> (Nakaseko & Nishimura) Conodont fragments	
K3-BT27	<i>Triassocampe deweyeri</i> (Nakaseko & Nishimura)	
K3-BT28	<i>Triassocampe deweyeri</i> (Nakaseko & Nishimura)	
K3-BT31	<i>Eptingium manfredi manfredi</i> (Dumitrica) <i>Triassocampe deweyeri</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera japonica</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera</i> sp. A	
K3-BT32	<i>Eptingium manfredi manfredi</i> (Nakaseko & Nishimura) <i>Eptingium manfredi robustum</i> Kozur & Mostler <i>Eptingium nakaseko</i> Kozur & Mostler <i>Triassocampe deweyeri</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera compacta</i> (Nakaseko & Nishimura) <i>Pseudostylosphaera japonica</i> (Nakaseko & Nishimura) <i>Baumgartneria bifurcata</i> Dumitrica <i>Oertlispongos inaequispinosus</i> Dumitrica, Kozur & Mostler <i>Sepsagon ladinicus</i> Kozur & Mostler	
K3-BT33	<i>Triassocampe deweyeri</i> (Nakaseko & Nishimura)	
K3-BT35	<i>Triassocampe deweyeri</i> (Nakaseko & Nishimura)	
K3-BT38		
K3-BT42	<i>Triassocampe deweyeri</i> (Nakaseko & Nishimura)	

(6 additional barren samples.)

K5B - [SUNGEI TIANG 8 - GR219629]

K5B-PS10	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto <i>Albaillella levis</i> Ishiga, Kito & Imoto	<i>Ne. ornithoformis</i> zone Upper Permian (Guadalupian)
K5B-PS12	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto <i>Albaillella levis</i> Ishiga, Kito & Imoto	
K5B-PS15	<i>Latentifistula</i> sp.	
K5B-PS17	<i>Latentifistula</i> sp.	

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
K5B Cont'd		
K5B-PS18	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto	
K5B-PS19	<i>Albaillella triangulicris</i> Ishiga, Kito & Imoto	
(13 additional barren samples.)		
K6 - [SUNGEI TIANG 8 - GR251604]		
K6-PS24	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto <i>Albaillella levis</i> Ishiga, Kito & Imoto	Upper Permian (Guadalupian)
K6-PS26	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto <i>Albaillella levis</i> Ishiga, Kito & Imoto	
(11 additional barren samples.)		
K8 - [SUNGEI TIANG 8 - GR225540]		
K8-BN2	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto	<i>Ne. ornithoformis</i> zone
K8-BN9	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto <i>Albaillella levis</i> Ishiga, Kito & Imoto <i>Albaillella triangulicris</i> Ishiga, Kito & Imoto <i>Triplanospongos musashiensis</i> Sashida & Tonishi	Upper Permian (Guadalupian)
K8-BN14	<i>Albaillella levis</i> Ishiga, Kito & Imoto	
K8-BN15	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto <i>Albaillella levis</i> Ishiga, Kito & Imoto <i>Uberiniterna virgata</i> Sashida & Tonishi <i>Triplanospongos musashiensis</i> Sashida & Tonishi	
K8-BN16	<i>Albaillella triangulicris</i> Ishiga, Kito & Imoto	
(14 additional barren samples.)		
K9 - [SUNGEI TIANG 8 - GR295594]		
K9-PS47	<i>Albaillella levis</i> Ishiga, Kito & Imoto <i>Follicucullus porretus</i> Rudenko	<i>Neobaillella ornithoformis</i> zone Upper Permian (Guadalupian)
K9-PS49	<i>Follicucullus porretus</i> Rudenko	

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
K9 Cont'd		
K9-PS65	Conodont fragment	
K9-PS66	<i>Albaillella</i> sp. <i>Neoalbaillella ornithoformis</i> Takemura & Nakaseko <i>Triplanospongos mu. ashiensis</i> Sashida & Tonishi	<i>Ne. ornithoformis</i> zone Upper Permian (Guadalupian)
K9-PS77	Conodont fragments	
K9-PS81	<i>Triassocampe</i> sp.	Middle Triassic (Anisian/Ladinian)
K9-PS84	<i>Triassocampe</i> sp.	
K9-PS85	<i>Triassocampe</i> sp.	
(41 additional barren samples.)		
K15 - [KUALA NERANG 1 - GR260814]		
K15-PS101	<i>Albaillella levis</i> Ishigaya, Kito & Imoto Latentifistulidae gen et sp. indet.	
K15-PS108	<i>Albaillella levis</i> Ishigaya, Kito & Imoto	
K15-PS 109	<i>Albaillella levis</i> Ishigaya, Kito & Imoto <i>Albaillella triangularis</i> Ishigaya, Kito & Imoto Conodont fragment.	<i>Ne. ornithoformis</i> zone Upper Permian (Guadalupian)
K15-PS 114	<i>Albaillella excelsa</i> Ishigaya, Kito & Imoto <i>Albaillella levis</i> Ishigaya, Kito & Imoto	
K15-PS115	<i>Albaillella levis</i> Ishigaya, Kito & Imoto	
K15-PS116	<i>Albaillella levis</i> Ishigaya, Kito & Imoto <i>Ishigaum</i> sp. Latentifistulidae gen et sp. indet.	
(12 additional barren samples.)		
K16 - [KUALA KETIL 17 - GR109209]		
K16-BA29	<i>Triassocampe</i> sp.	Middle Triassic (Anisian/Ladinian)
K16-BA30	<i>Triassocampe</i> sp.	
K16-BA31	<i>Triassocampe</i> sp.	

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
K16 Cont'd		
K16-BA33	<i>Triassocampe</i> sp. <i>Eptingium</i> sp.	
K16-BA34	<i>Triassocampe</i> sp.	
K16-BA35	<i>Triassocampe</i> sp.	
K16-BA36	<i>Triassocampe</i> sp.	
(13 additional barren samples.)		
K17 - [BALING 18 - GR130233]		
K17-BA40	<i>Triassocampe</i> sp.	Middle Triassic (Anisian/Ladinian)
K17-BA49	<i>Triassocampe</i> sp.	
K17-BA50	<i>Triassocampe</i> sp.	
K17-BA64	<i>Triassocampe</i> sp.	
K17-BA68	<i>Triassocampe</i> sp.	
(15 additional barren samples.)		
KK1 - [KU ALA KANGSAR 41 - GR022282]		
KK1-P30	Entactiniidae gen. et sp. indet.	Lower Carboniferous ?
KK1-P31	Entactiniidae gen. et sp. indet.	
KK1-P32	Entactiniidae gen. et sp. indet.	
KK1-P42	<i>Albaillella</i> sp. aff. <i>A. deflandrei</i> ? Gourmelon Conodont fragments	
(36 additional barren samples.)		
KK2 - [KUALA KANGSAR 41 - GR023256]		
KK2-P46	Entactiniidae gen. et sp. indet.	Indeterminate
KK2-P48	Albaillellidae gen. et sp. indet. Entactiniidae gen. et sp. indet.	
KK2-P49	Entactiniidae gen. et sp. indet.	

LOCALITY-SAMPLE	RADIOLARIAN FAUNA	Radiolarian biostratigraphic zone and age
KK2 Cont'd		
KK2-P55	Entactiniidae gen. et sp. indet. Conodont fragments	
KK2-P58	Conodont fragments	
KK2-P59	Albaillellidae gen. et sp. indet.	
KK2-P64	Entactiniidae gen. et sp. indet.	
KK2-P67	Albaillellidae gen. et sp. indet.	
(18 additional barren samples.)		

APPENDIX F

SPECIMEN DATA CATALOGUE / PLATE

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.1a	FS (C1)	7503	AMF.99104	C114-BR463	440	<i>Albaillella asymmetrica</i> Ishiga & Imoto
b	FS (C2)	7504	AMF.99105	C114-BR463	540	<i>Albaillella asymmetrica</i> Ishiga & Imoto
c	D (D1)	7128	AMF.99106	C113-BR430	300	<i>Albaillella asymmetrica</i> Ishiga & Imoto
d	FS25 (C2)	6410	AMF.99107	KLK13-BR70	400	<i>Albaillella cartalla</i> Ormiston & Lane
e	FS25 (C3)	6411	AMF.99108	KLK13-BR70	400	<i>Albaillella cartalla</i> Ormiston & Lane
f	10 (D1)	7072	AMF.99109	C16-BR414	360	<i>Albaillella cartalla</i> Ormiston & Lane
g	FS24 (A2)	6392	AMF.99110	KLK4-BR31	220	<i>Albaillella deflandrei</i> Gourmelon
h	FS26 (A2)	6559	AMF.99111	KLK4-BR31	240	<i>Albaillella deflandrei</i> Gourmelon
i	NN (B2)	8373	AMF.99112	KK1-P42	320	<i>Albaillella</i> sp. aff. <i>A. deflandrei</i> ? Gourmelon
j	BM (A5)	9726	AMF.99113	K15-PS114	360	<i>Albaillella excelsa</i> Ishiga, Kito & Imoto
k	FS33 (A3)	7371	AMF.99114	C16-BR414	360	<i>Albaillella furcata</i> Won
l	GP (C1)	8302	AMF.99115	KL3-BN15	400	<i>Albaillella levis</i> Ishiga, Kito & Imoto

Table F.1 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.1.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.2a	GP (B4)	8300	AMF.99116	KL3-BN15	480	<i>Albaillella levis</i> Ishiga, Kito & Imoto
b	LC (D4)	7368	AMF.99117	NN2-KP4	260	<i>Albaillella paradoxa</i> Deflandre
c	FS28 (A3)	9284	AMF.99118	NN2-KP3	260	<i>Albaillella paradoxa</i> Deflandre
d	CZ (B4)	7485	AMF.99119	KLK2-BR628	240	<i>Albaillella sinuata</i> Ishiga & Watase
e	10 (D2)	7073	AMF.99120	C16-BR414	320	<i>Albaillella</i> sp. aff. <i>A. spinosa</i> Cheng
f	GP (C4)	8305	AMF.99121	KL3-BN16	400	<i>Albaillella triangularis</i> Ishiga, Kito & Imoto
g	FS26 (A3)	6560	AMF.99122	KLK4-BR31	260	<i>Albaillella undulata</i> Deflandre
h	FS24 (B4)	6398	AMF.99123	KLK4-BR31	260	<i>Albaillella undulata</i> Deflandre
i	10 (C3)	7069	AMF.99124	C16-BR414	400	<i>Albaillella</i> sp. A aff. <i>A. undulata</i> Deflandre
j	10 (B3)	7064	AMF.99125	C16-BR414	360	<i>Albaillella</i> sp. A aff. <i>A. undulata</i> Deflandre
k	ST (A1)	9307	AMF.99126	C16-BR938	440	<i>Albaillella</i> sp. A aff. <i>A. undulata</i> Deflandre
l	10 (D5)	7075	AMF.99127	C16-BR414	360	<i>Albaillella</i> sp. B aff. <i>A. undulata</i> Deflandre

Table F.2 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.2.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.3a	FS35 (F3)	6558	AMF.99128	NN2-KP4	660	<i>Ceratoikiscum berggreni</i> Gourmelon
b	LC (C1)	7365	AMF.99129	NN2-KP4	600	<i>Ceratoikiscum berggreni</i> Gourmelon
c	LC (C2)	7364	AMF.99130	NN2-KP4	540	<i>Ceratoikiscum berggreni</i> Gourmelon
d	LN (B3)	1098	AMF.99131	TA-BR623	270	<i>Helenifore laticlavium</i> Nazarov & Ormiston
e	FS13 (A1)	6452	AMF.99132	KLK5-BR33	400	<i>Holoeciscus elongatus</i> Kiessling & Tragelehn
f	FS30 (C5)	9655	AMF.99133	KLK1-BR705	480	<i>Holoeciscus elongatus</i> Kiessling & Tragelehn
g	FS8 (F4)	6564	AMF.99134	KLK5-BR33	300	<i>Holoeciscus elongatus</i> Kiessling & Tragelehn
h	ST (A4)	9310	AMF.99135	KLK5-BR33	300	<i>Holoeciscus foremanae</i> Cheng
i	NN (E5)	8369	AMF.99136	KL-AS51	300	<i>Follicucullus crenulatus</i> n.sp.
j	NN (E3)	8370	AMF.99137	KL-AS51	360	<i>Follicucullus crenulatus</i> n.sp.
k	JZ (E1)	8382	AMF.99138	KL-AS51	320	<i>Follicucullus crenulatus</i> n.sp.
l	JZ (A2)	8278	AMF.99139	KL-AS51	400	<i>Follicucullus crenulatus</i> n.sp.

Table F.3 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.3

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.4a	NN (D2)	8363	AMF.99140	K1-AS51	320	<i>Follicucullus dorsoconvexus</i> (Kozur)
b	NN (C5)	8361	AMF.99141	K1-AS51	320	<i>Follicucullus dorsoconvexus</i> (Kozur)
c	JZ (D1)	8381	AMF.99142	K1-AS51	320	<i>Follicucullus dorsoconvexus</i> (Kozur)
d	NN (D4)	8364	AMF.99143	K1-AS51	200	<i>Follicucullus elongatus</i> n.sp.
e	JZ (D5)	8290	AMF.99144	K1-AS51	200	<i>Follicucullus elongatus</i> n.sp.
f	NN (E4)	8368	AMF.99145	K1-AS51	260	<i>Follicucullus elongatus</i> n.sp.
g	PN (B3)	9664	AMF.99146	K2-BB16	300	<i>Follicucullus monacanthus</i> Ishiga & Imoto
h	GP (E1)	8311	AMF.99147	K3-PS49	320	<i>Follicucullus porrectus</i> Rudenko
i	PN (C1)	9667	AMF.99148	K2-BB23	300	<i>Follicucullus porrectus</i> Rudenko
j	FS41 (E4)	6665	AMF.99149	K1-AS14	220	<i>Follicucullus scholasticus</i> Ormiston & Babcock
k	FS41 (D3)	6662	AMF.99150	K1-AS14	240	<i>Follicucullus scholasticus</i> Ormiston & Babcock
l	GP (E3)	8313	AMF.99151	K3-PS66	400	<i>Neobaillella ornithiformis</i> Takemura & Nakaseko

Table F.4 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.4.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.5a	JZ (A5)	8379	AMF.99152	K1-AS51	320	<i>Pseudoalbaillella convexa</i> Rudenko & Panasenko
b	ALV	1355	AMF.99153	KLK31-BR545	200	<i>Pseudoalbaillella elegans</i> Ishiga & Imoto
c	CZ (B1)	7483	AMF.99154	KLK2-BR628	240	<i>Pseudoalbaillella elongata</i> Ishiga & Imoto
d	CZ (A5)	7482	AMF.99155	KLK2-BR628	200	<i>Pseudoalbaillella elongata</i> Ishiga & Imoto
e	TG (E2)	7407	AMF.99156	CH14-BR470	300	<i>Pseudoalbaillella fusiformis</i> (Holdsworth & Jones)
f	TG (A2)	7393	AMF.99157	CH14-BR466	240	<i>Pseudoalbaillella fusiformis</i> (Holdsworth & Jones)
g	FS (B3)	7501	AMF.99158	CH14-BR466	480	<i>Pseudoalbaillella globosa</i> Ishiga & Imoto
h	F (A4)	7976	AMF.99159	CH13-BR458	240	<i>Pseudoalbaillella</i> sp. cf. <i>Ps. lomentaria</i> Ishiga & Imoto
i	TG (D5)	7405	AMF.99159	CH14-BR470	300	<i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto
j	TG (AD)	7397	AMF.99160	CH14-BR466	360	<i>Pseudoalbaillella</i> sp. aff. <i>Ps. longicornis</i> Ishiga & Imoto
k	FS33 (E5)	7391	AMF.99162	CH14-BR466	260	<i>Pseudoalbaillella longtanensis</i> Sheng & Wang
l	FS40 (A2)	6667	AMF.99163	K1-AS7	240	<i>Pseudoalbaillella longtanensis</i> ? Sheng & Wang

Table F.5 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.5.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.6a	EU (A5)	7107	AMF.99164	CH13-BR437	220	<i>Pseudoalbaillella ornata</i> Ishiga & Imoto
b	DH (A4)	7165	AMF.99165	CH13-BR438	240	<i>Pseudoalbaillella ornata</i> Ishiga & Imoto
c	VH (E4)	7195	AMF.99166	CH13-BR438	320	<i>Pseudoalbaillella sakmarenensis</i> (Kozur)
d	EU (E2)	7124	AMF.99167	CH13-BR437	300	<i>Pseudoalbaillella sakmarenensis</i> (Kozur)
e	CZ (A1)	7480	AMF.99168	KLK2-BR627	260	<i>Pseudoalbaillella scalprata</i> Holdsworth & Jones morphotype <i>rhombothoracata</i> Ishiga
f	F (A1)	7974	AMF.99169	CH13-BR458	320	<i>Pseudoalbaillella scalprata</i> Holdsworth & Jones morphotype <i>rhombothoracata</i> Ishiga
g	CD (D4)	7209	AMF.99170	CH13-BR443	300	<i>Pseudoalbaillella scalprata</i> Holdsworth & Jones morphotype <i>scalprata</i> Ishiga
h	CZ (E3)	7494	AMF.99171	CH13-BR443	320	<i>Pseudoalbaillella scalprata</i> Holdsworth & Jones morphotype <i>scalprata</i> Ishiga
i	ALV (A4)	1356	AMF.99172	KLK31-BR545	400	<i>Pseudoalbaillella simplex</i> Ishiga & Imoto
j	EJ (B3)	7476	AMF.99173	KLK2-BR624	240	<i>Pseudoalbaillella</i> sp. A
k	EJ (A1)	7470	AMF.99174	KLK2-BR624	200	<i>Pseudoalbaillella</i> sp. A
l	F (A3)	7975	AMF.99175	CH13-BR458	260	<i>Pseudoalbaillella</i> sp. B

Table F.6 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.6.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.7a	A (D5)	9718	AMF.99176	K3-BT32	260	<i>Eptingium manfredi manfredi</i> Dumitrica
b	A (C3)	9687	AMF.99177	K3-BT31	200	<i>Eptingium manfredi manfredi</i> Dumitrica
c	A (E3)	9711	AMF.99178	K3-BT32	240	<i>Eptingium manfredi robustum</i> Kozur & Mostler
d	A (E4)	9712	AMF.99179	K3-BT32	240	<i>Eptingium nakasekoi</i> Kozur & Mostler
e	JZ (C2)	8288	AMF.99180	K1-AS18	480	<i>Triassocampe coronata</i> Bragin
f	JZ (B4)	8287	AMF.99181	K1-AS18	480	<i>Triassocampe coronata</i> Bragin
g	A (D3)	9716	AMF.99182	K3-BT32	320	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)
h	A (DZ)	9715	AMF.99183	K3-BT32	180	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)
i	A (C1)	9686	AMF.99184	K3-BT28	200	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)
j	BM (A1)	9722	AMF.99185	K3-BT4	240	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)
k	BV (E3)	8001	AMF.99186	K3-BT6	220	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)
l	GO (C1)	8253	AMF.99187	K3-BT5	200	<i>Triassocampe deweveri</i> (Nakaseko & Nishimura)

Table F.7 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.7.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.8a	FS28 (E3)	9292	AMF.99188	N32-KP4	440	<i>Astroentactinia biaciculata</i> Nazarov
b	FS28 (A4)	9285	AMF.99189	N32-KP3	480	<i>Astroentactinia biaciculata</i> Nazarov
c	LC (A5)	7359	AMF.99190	N32-KP4	360	<i>Astroentactinia biaciculata</i> Nazarov
d	FS35 (D5)	6556	AMF.99191	N32-KP4	230	<i>Astroentactinia biaciculata</i> Nazarov
e	FS35 (D4)	6555	AMF.99192	N32-KP4	480	<i>Astroentactinia biaciculata</i> Nazarov
f	FS28 (B5)	9288	AMF.99193	N32-KP4	440	<i>Astroentactinia mirousi</i> Gourmelon
g	LC (D2)	7367	AMF.99194	N32-KP4	480	<i>Astroentactinia spatiosa</i> Braun
h	CD (C5)	7205	AMF.99195	C113-BR440	400	? <i>Copicyntra</i> sp.
i	GP (B2)	8298	AMF.99196	K3-BN15	400	<i>Uberinterna virgispinosum</i> Sashida & Tonishi
j	LN (A1)	1353	AMF.99197	C114-BR468	370	<i>Hegleria mammilla</i> (Sheng & Wang)
k	EU (C1)	7112	AMF.99198	C113-BR437	400	<i>Stigmosphaerostylus</i> sp. cf. <i>S. itsukaichiensis</i> (Sashida & Tonishi)
l	EU (D1)	7119	AMF.99199	C113-BR437	440	<i>Stigmosphaerostylus</i> sp. cf. <i>S. itsukaichiensis</i> (Sashida & Tonishi)

Table F.8 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.8.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.9a	D (C2)	7157	AMF.99200	C113-BR430	240	<i>Stigmosphaerostylus</i> sp. cf. <i>S. itsukaichiensis</i> (Sashida & Tonishi)
b	CZ (D4)	7491	AMF.99201	C113-BR443	200	<i>Stigmosphaerostylus</i> sp. cf. <i>S. pycnoclada</i> (Nazarov & Ormiston)
c	D (D5)	7160	AMF.99202	C113-BR432	240	<i>Stigmosphaerostylus</i> sp. cf. <i>S. pycnoclada</i> (Nazarov & Ormiston)
d	FS35 (A5)	6551	AMF.99203	K1K13-BR7C	360	<i>Stigmosphaerostylus variospina</i> (Won)
e	FS35 (A4)	6550	AMF.99204	K1K13-BR7C	260	<i>Stigmosphaerostylus variospina</i> (Won)
f	FS35 (A1)	6547	AMF.99205	K1K13-BR7C	260	<i>Stigmosphaerostylus variospina</i> (Won)
g	LC (A2)	7357	AMF.99206	N32-KP4	360	<i>Stigmosphaerostylus vulgaris</i> Won
h	A (A1)	9678	AMF.99207	K3-BT22	300	<i>Pseudostylosphaera compacta</i> (Nakaseko & Nishimura)
i	A (E1)	9714	AMF.99208	K3-BT32	240	<i>Pseudostylosphaera compacta</i> (Nakaseko & Nishimura)
j	PN (E2)	9674	AMF.99209	K3-BT22	320	<i>Pseudostylosphaera japonica</i> (Nakaseko & Nishimura)
k	GO (A4)	8248	AMF.99210	K3-BT8	260	<i>Pseudostylosphaera japonica</i> (Nakaseko & Nishimura)
l	A (C4)	9688	AMF.99211	K3-BT31	320	<i>Pseudostylosphaera japonica</i> (Nakaseko & Nishimura)

Table F.9 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.9.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.10a	A (D1)	9689	AMF.99212	K 3-BT31	260	<i>Pseudostylosphaera</i> sp. A
b	PN (E3)	9675	AMF.99213	K 3-BT22	320	<i>Pseudostylosphaera</i> sp. B
c	A (F4)	9721	AMF.99214	K 3-BT32	400	<i>Baumgartneria bifurcata</i> Dumitrica
d	A (F2)	9720	AMF.99215	K 3-BT32	300	<i>Oertlispongia inaequispinosus</i> Dumitrica, Kozur & Mostler
e	A (F1)	9719	AMF.99216	K 3-BT32	260	<i>Oertlispongia inaequispinosus</i> Dumitrica, Kozur & Mostler
f	A (D4)	9717	AMF.99217	K 3-BT32	200	<i>Sepsagon ladinicus</i> Kozur & Mostler
g	CD (F1)	7202	AMF.99218	C 113-BR440	360	<i>Meschedea permica</i> Sashida & Tonishi
h	LC (E2)	7370	AMF.99219	N 52-KP4	440	<i>Polyentactinia polygonia</i> Foreman
i	FS28 (B2)	9287	AMF.99220	N 52-KP4	440	<i>Polyentactinia polygonia</i> Foreman
j	FS28 (D4)	9289	AMF.99221	N 52-KP4	600	<i>Polyentactinia polygonia</i> Foreman
k	BM (B4)	9729	AMF.99222	K 15-PS116	400	<i>Ishigaum</i> sp.
l	BM (C1)	9730	AMF.99223	K 15-PS116	400	<i>Ishigaum</i> sp.

Table F.10 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.10.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.11a	DH (E3)	7184	AMF.99224	C 113-BR439	160	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston
b	FS33 (D4)	7386	AMF.99225	C 114-BR466	240	<i>Latentifistula</i> sp. aff. <i>L. crux</i> Nazarov & Ormiston
c	29 (A1)	7079	AMF.99226	C 17-BR417	130	<i>Latentifistula impella</i> (Ormiston & Lane)
d	10 (E2)	7077	AMF.99227	C 16-BR414	200	<i>Latentifistula impella</i> (Ormiston & Lane)
e	29 (A3)	7081	AMF.99228	C 17-BR417	220	<i>Latentifistula impella</i> (Ormiston & Lane)
f	29 (A2)	7080	AMF.99229	C 17-BR417	260	<i>Latentifistula impella</i> (Ormiston & Lane)
g	FS33 (C5)	7372	AMF.99230	C 114-BR466	150	<i>Latentifistula patagialateralis</i> Nazarov & Ormiston
h	10 (E1)	7076	AMF.99231	C 16-BR414	130	<i>Latentifistula turgida</i> (Ormiston & Lane)
i	29 (B3)	7085	AMF.99232	C 17-BR418	150	<i>Latentifistula turgida</i> (Ormiston & Lane)
j	ST (A2)	9308	AMF.99233	C 16-BR938	260	<i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)
k	ST (C3)	9316	AMF.99234	K 13-BR70	180	<i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)
l	X (C5)	9301	AMF.99235	C 16-BR937	200	<i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)

Table F.11 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.11.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.12a	ST (C4)	9317	AMF.99236	K 13-BR70	240	<i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)
b	X (E1)	9305	AMF.99237	C 16-BR937	200	<i>Latentifistula</i> sp. aff. <i>L. turgida</i> (Ormiston & Lane)
c	FS34 (E3)	7145	AMF.99238	C 113-BR437	130	<i>Latentibifistula triacanthophora</i> Nazarov & Ormiston
d	FS34 (E5)	7147	AMF.99239	C 113-BR437	240	<i>Latentibifistula triacanthophora</i> Nazarov & Ormiston
e	EU (D5)	7122	AMF.99240	C 113-BR437	120	<i>Latentibifistula triacanthophora</i> Nazarov & Ormiston
f	CD (A2)	7197	AMF.99241	C 113-BR440	260	<i>Latentibifistula</i> sp. A
g	DH (E4)	7185	AMF.99242	C 113-BR439	200	<i>Latentibifistula</i> sp. A
h	DH (D5)	7181	AMF.99243	C 113-BR439	160	<i>Latentibifistula</i> sp. B
i	VH (A1)	7186	AMF.99244	C 113-BR438	150	<i>Latentibifistula</i> sp. C
j	VH (A5)	7191	AMF.99245	C 113-BR438	160	<i>Latentibifistula</i> sp. D
k	CD (A1)	7196	AMF.99246	C 113-BR440	150	<i>Latentibifistula</i> sp. D
l	CD (C1)	7201	AMF.99247	C 113-BR440	240	<i>Polyfistula</i> sp.

Table F.13 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.12.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.13a	FS34 (A2)	7131	AMF.99248	CH13-BR436	130	<i>Quadriremis gliptoacus</i> Nazarov & Ormiston
b	VH (A3)	7190	AMF.99249	CH13-BR438	780	<i>Quadriremis gliptoacus</i> Nazarov & Ormiston
c	VH (C2)	7192	AMF.99250	CH13-BR438	160	Latentifistulidae gen. et sp. indet.
d	FS34 (A3)	7132	AMF.99251	CH13-BR436	150	Latentifistulidae gen. et sp. indet.
e	DH 9D2)	7178	AMF.99252	CH13-BR439	240	Latentifistulidae gen. et sp. indet.
f	DH (E1)	7182	AMF.99253	CH13-BR439	220	<i>Ruzhencevispongos uralicus</i> Kozur
g	VH (A2)	7187	AMF.99254	CH13-BR438	220	<i>Ruzhencevispongos uralicus</i> Kozur
h	CD (C3)	7203	AMF.99255	CH13-BR440	180	<i>Pseudotormentus kamigoriensis</i> De Wever & Caridroit
i	D (C1)	7156	AMF.99256	CH13-BR430	150	<i>Pseudotormentus kamigoriensis</i> De Wever & Caridroit
j	D (B5)	7155	AMF.99257	CH13-BR430	160	<i>Pseudotormentus</i> sp. cf. <i>Ps. kamigoriensis</i> De Wever & Caridroit
k	D (B4)	7154	AMF.99258	CH13-BR430	360	<i>Pseudotormentus</i> sp. cf. <i>Ps. kamigoriensis</i> De Wever & Caridroit
l	FS33 (C5)	7382	AMF.99259	CH14-BR466	260	<i>Pseudotormentus</i> sp.

Table F.13 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.13.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.14a	GP (C3)	8304	AMF.99260	K3-BN15	300	<i>Triplanospongos musashiensis</i> Sashida & Tonishi
b	GP (E2)	8312	AMF.99261	K3-PS66	300	<i>Triplanospongos musashiensis</i> Sashida & Tonishi
c	GP (A1)	8293	AMF.99262	K3-BN9	220	<i>Triplanospongos musashiensis</i> Sashida & Tonishi
d	LC (B2)	7361	AMF.99263	N32-KP4	480	<i>Archocyrtium callimorphum</i> ? Braun
e	FS35 (E2)	6557	AMF.99264	N32-KP4	440	<i>Archocyrtium eupectum</i> Braun
f	FS35 (E5)	6546	AMF.99265	N32-KP4	480	<i>Archocyrtium eupectum</i> Braun
g	LC (B4)	7362	AMF.99266	N32-KP4	320	<i>Archocyrtium pulchrum</i> Braun
h	FS35 (C1)	6554	AMF.99267	N32-KP4	320	<i>Archocyrtium pulchrum</i> Braun
i	FS28 (B1)	9286	AMF.99268	N32-KP4	320	<i>Archocyrtium pulchrum</i> Braun
j	HZ (B3)	5838	AMF.99269	K1-K1-BR3	480	<i>Archocyrtium</i> sp.
k	FS30 (B1)	9649	AMF.99270	K1-K1-BR705	360	<i>Archocyrtium</i> sp. A
l	LM (E50)	9645	AMF.99271	K1-K1-BR722	540	<i>Archocyrtium</i> sp. B

Table F.14 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.14.

PLATE & FIG. No.	STUB No.	NEGATIVE No.	AMF No.	LOCALITY/ SAMPLE No.	MAG.	SPECIES
3.15a	CM (B1)	9636	AMF.99272	K1-K1-BR116	300	<i>Archocyrtium</i> sp. C
b	FS30 (A4)	9647	AMF.99273	K1-K1-BR722	600	<i>Archocyrtium</i> sp. D
c	LN (B3)	1354	AMF.99274	T A-BR623	400	<i>Palaeoscenidium cladophorum</i> Deflandre
d	LN (B4)	1099	AMF.99275	T A-BR623	414	<i>Palaeoscenidium cladophorum</i> Deflandre
e	FS13 (C4)	6460	AMF.99276	K5-K5-BR33	540	<i>Popofskyellum</i> sp. cf. <i>P. hendricksi</i> Cheng
f	FS30 (B3)	9650	AMF.99277	K1-K1-BR705	660	<i>Popofskyellum</i> sp.
g	FS30 (B5)	9652	AMF.99278	K1-K1-BR705	600	<i>Popofskyellum</i> sp.
h	LC (C5)	7366	AMF.99279	N32-KP4	360	<i>Pylentonema antiqua</i> Deflandre
i	FS28 (C5)	9290	AMF.99280	N32-KP4	440	<i>Pylentonema antiqua</i> Deflandre
j	LC (E1)	7369	AMF.99281	N32-KP4	360	<i>Pylentonema mendax</i> (Deflandre)
k	FS28 (D5)	9291	AMF.99282	N32-KP4	540	<i>Pylentonema mendax</i> (Deflandre)
l	CM (B5)	9638	AMF.99283	K1-K1-BR722	360	<i>Quadrupes</i> sp.

Table F.15 Stub number, position on stub, scanning electron micrograph negative number and magnification, Australian Museum Fossil Number (AMF), locality and sample number, and species name of all specimens figured on Plate 3.15.

APPENDIX G

GLOSSARY

APPENDIX G - GLOSSARY

accretion - is the collision and welding of a terrane (either composite or individual) to a craton (Jones *et al.*, 1983).

accretionary complex (prism, wedge) - a generally wedge shaped mass of tectonically deformed sediment, possibly with minor components of ophiolitic material, formed in a subduction zone as a result of the tectonic transfer of strata from the descending plate into the framework of the overlying plate (Jones *et al.*, 1983; Howell, 1989).

allochthonous - formed or produced elsewhere than in its present place: of foreign origin or introduced (Bates and Jackson, 1987).

allochthon - a crustal fragment that has been displaced (Howell, 1989).

amalgamation - is the joining together of separate terranes to form a composite terrane prior to the addition of the amalgamated terrane to a craton margin (Jones *et al.*, 1983).

block - (fault-block in tectonic sense ie. tectonic block) - A crustal unit formed by block faulting. It is bounded by faults, either completely or in part. It behaves as a unit during block faulting and tectonic activity (Bates and Jackson, 1987).

Cathaysia - Term applied to the amalgamated Indochina and South China terranes which collided along the Song Ma suture to form the "East Asian Continent" or "Cathaysialand".

Cimmerian continent - The orogenic system which resulted from the closure of the Palaeo-Tethys ocean. It was a continuous or broken, continental strip that bisected the Tethyan domain in a roughly east-west direction (Sengör, 1979; Sengör, 1984).

composite terranes - "are composed of two or more distinct terranes that became amalgamated and subsequently shared a common geologic history prior to their accretion. Examples of amalgamated terranes include: arc-arc amalgams; arc-continental-oceanic-disrupted amalgam" (Jones *et al.*, 1983).

cryptic suture - A suture that is hidden from view, said of terrane boundaries that may be obscured owing to a metamorphic overprint, an engulfing pluton, or simply the lack of outcrop (Howell, 1989).

disrupted terranes - "are characterised by blocks of heterogeneous lithology and age, usually set in a matrix of sheared shale, flysch, or serpentinite. Most of these terranes contain fragments of ophiolitic rocks, blocks of shallow water limestone, deep water chert

and packages of greywacke with lenses of conglomerate: in addition, many disrupted terranes contain blue schists both as exotic blocks or as a regional metamorphic overprint. Some disrupted terranes have been interpreted as subduction complexes" (Jones *et al.*, 1983).

exotic blocks - tectonic inclusions detached from some rock-stratigraphic unit foreign to the main body of the melange (Hsü, 1968).

Indosinia (Indochina of this study) - eastern boundary is formed by the Song Ma suture zone of Vietnam, and the Ailaoshan suture of China. Its western margin is taken as the Uttaradit-Nan (Uttaradit-Luang Prabang) suture and its southern extrapolation, the Sra Kaeo suture in the Tayong district of Thailand (Hutchison, 1989).

Indosinian Orogeny of Fromaget (1934) - the Late Triassic - Middle Jurassic deformational orogeny in East and Southeast Asia, interpreted as the closure of the Palaeo-Tethys ocean resulting from the collision of Sibumasu (Shan-Thai) and Indosinia (Indochina of this study) by Hutchison (1989).

metamorphic terranes - "are characterised by a regional, terrane-wide penetrative metamorphic fabric and development of metamorphic minerals to such a degree that original stratigraphic features and relations are obscured" (Jones *et al.*, 1983).

mélange - a body of rock mappable at a scale of 1:24,000 or smaller, characterised by a lack of internal continuity of contacts or strata and by the inclusion of fragments and blocks of all sizes, both exotic (See Glossary) and native (See Glossary), embedded in a fragmental matrix of finer grained material (Raymond, 1984). (Bates and Jackson, 1987).

native blocks - disrupted brittle layers which were once interbedded with the ductily deformed matrix (Hsü, 1968). Rock types that can be matched elsewhere in the complex (Barber and Brown, 1988).

rock-stratigraphic unit - a stratigraphic unit having a substantial degree of lithologic homogeneity, consisting of a body of strata that is unified with respect to adjacent strata by possessing certain objective physical features observable in the field or subsurface, or consisting dominantly of a certain rock type or combination of rock types, and considered completely independent of time (Campbell, 1974).

stratigraphic terranes - "are characterised by coherent stratigraphic sequences in which depositional relations between successive lithologic units can be demonstrated. Basement rocks may or may not be preserved" (Jones *et al.*, 1983). Rock sequences within stratified terranes have been subdivided into four broad categories. These are: fragments of

continents, fragments of continental margins, fragments of ocean basins and fragments of volcanic arcs. Some terranes have passed through successive tectonic phases encompassing two or three of these categories (Jones *et al.*, 1983).

Sundaland - Traditionally, the term Sundaland defined the landmass of south-east Asia including Sumatra, Java and Borneo, which stood above the sea during the low sea levels of the Pleistocene epoch. (Hutchinson, 1989) redefined the term Sundaland to include the Southeast Asian continental parts of the Eurasian Plate, i.e., it represents the stable continental core of South-east Asia which was cratonised in Late Triassic time.

suture - the tectonic expression of a collision zone, commonly consisting of a zone of ophiolitic or high-pressure metamorphic material (Howell, 1989)

tectonic/fault block - a mass of rock that has been transported with respect to adjacent rock masses through the operation of tectonic processes (Berkland *et al.*, 1972).

tectonic framework - The combination of, or relationship in space and time of subsiding, stable, and rising tectonic elements in sedimentary provenance and depositional areas (Campbell, 1974).

tectonostratigraphic terrane - a fault-bounded package of strata that is allochthonous to, and has a geologic history distinct from, the adjoining geologic units (Howell, 1989).

terrane - a fault-bounded body of rock of regional extent characterised by a geological history different from that of contiguous terranes. A terrane is generally considered to be a discrete allochthonous fragment of oceanic or continental material added to a craton at an active margin by accretion (Jones, *et al.*, 1983) (Bates and Jackson, 1987).

Variscan Orogeny - series of late Palaeozoic diastrophic movements beginning perhaps in the Late Devonian and continuing to the end of the Permian (Dictionary of Geological Terms)