

	A	B	C	D	E	F	G	H	I	J	K	L
1	TYPE	Poss Id?	V.Solitary	Short Radials	Radials >4	Rad/Obliq. Or	Clusters	Perf plates	V. Spirals	Pits <3um	Arrangement	Vestured?
3	C	Erica sp.										
4	D		Some	Y	Occ	N	Y	Simple	N	Mostly	Alt	N?
5	E		Occ	Y	Y	Y	N	Simple	N	N	Alt	Too sm to see
6	F		Y	Y	Occ	N	N	Simple	N	Y	Alt	Too sm to see
7	G		Y	Y	Occ	N	N	Simple	Y	Y Mostly	Alt	N
8	H		N	Y	Y	N	N	Simple	N	N	Alt	N
9	I		Y	Y	N	Tang	Occ	Simple	N	Y	Alt	Too sm to see
10	J		Y	N	N	Tang	N	Simple	N	Y	Alt	Too sm to see
11	K		N	Y	Occ	Y	Occ	Simple	Y	N	Alt	N
12	L		Y	Y	Occ	N	Some	Simple	Faint	Y Mostly	Alt	N?
13	M		Y	Y	N	N	N	Simple	N	Y Mostly	Alt	N
14	N		Y	Y	N	N	N	Simple	N	Y	Alt	Too sm to see
15	O		N	Occ	Y	Y	Y	Simple	Y	Y	Alt	N
16	P		Y	Y	Y	N	N	Simple	Y	N	opp + Alt	N
17	Q		Occ	Y	Y	Obliq	Y	Simple	N	N	Alt	Some
18	R		Y	Y	N	N	Y	Simple	N	N	Some Scal +	N
19	S		Y	Y	N	N	N	Simple	Some	Y	Alt	Poss?
20	T		Y	Y	N	N	N	Multi	N	Y	Alt	N
21	U		Y	Y	Some	Tang	Y	Simple	Faint	Mostly	(coal) Alt	N
22	V		Y	Occ	N	N	N	Multi	N	Y	Alt	Too sm to see
23	W		Y	N	N	N	N	Simple	N	Y	Alt	Too sm to see
24	X		Y	Y	N	N	N	Simple	N	Y	Alt	Too sm to see
25	Y		Y	Y	Occ	N	N	Simple	N	Y	Alt	Too sm to see
26	Z		Some	Y	Y	Obliq	Some	Simple	N	N	Alt	N?
27	AA		N	N	Y	Y	Y	Simple	Y	not all	Alt	N
28	BB		Y	Occ	Occ	N	N	Simple	N (faint)	Y	Alt	N?
29	CC		Some	Y	Y	N	Y	Simple	N	Y	Alt	Too sm to see
30	DD		Y	Y	N	Tang	Y	Simple	N	N	Alt	N
31	EE		Y	Y	Occ	Tang	Y	Simple	Y	Y	(coal) Alt	Too sm to see
32	FF		Y	Occ	N	N	N	Multi	N	Y	Alt	Too sm to see
33	GG		Y	N	N	N	N	Multi	N	Y	Alt	N

	M	N	O	P	Q	R	S	T	U	V	W	X
1	Tyloses?	V/mm2	V.Size	V. El. Length	F. Septate	Thick walled?	Pits bordered?	F Tracheids	Spirals?	F. Length	Ray Hight	Ray width
3												
4	Some	>40/mm2	<150um	A	Some?	N	N	N	N	<1mm	>1mm some	I 4-10-ser + >
5	N	>40/mm2	<50um	A	Some	Y	Too sm to see?	N	N	<1mm	<1mm	B 1-2-ser
6	N	>40/mm2	<50um	B	Some	N	N	N	N	<1mm	<1mm	C 1-5-ser
7	N	>40/mm2	<50um	A	N	Med.	N	N	N	<1mm	<1mm	C 1-5-ser
8	Y	>40/mm2	<100um	A	N	N	NS	?	NS	NS	<1mm	C 1-5-ser
9	Some	>40/mm2	<50um	A	N	N	Y minutely	?	N	<1mm	Some c 1mm	C 1-5-ser
10	Some	>40/mm2	<50um	A	N	N	Y	Y	N	<1mm	?	B 1-2-ser
11	Y	<40/mm2	<100um	A	N	Y	N	N	N	<1mm	<1mm	E 1-ser + 4-10
12	Some	>40/mm2	<100um	A/B	Y	N	NS	?	N	<1mm	<1mm	C 1-5-ser
13	N	>40/mm2	<50um	A	Some	N	N	N	N	<1mm	>1mm some	C 1-5-ser
14	N	>40/mm2	<50um	B	Y	N	Too sm to see	N?	N	<1mm	<1mm	B 1-2-ser
15	N	>40/mm2	<50um	A	Some	N	N	N	N	<1mm	<1mm	A 1-ser
16	N	>40/mm2	<50um	A	N	N	N	N	N	<1mm	<1mm	C 1-5-ser
17	N	>40/mm2	<50um	A	Some	N	Y minutely	Y?	N	<1mm	c1mm + <1mm	A 1-ser
18	Y	>40/mm2	<100um	A	N	N	N	N	N	<1mm	<1mm	C 1-5-ser
19	Y	>40/mm2	c50um	B	?	Some	Y	Y	N	<1mm	>1mm some	C 1-5-ser
20	Some	>40/mm2	c50um	B	Some	N	Y minutely	Y?	N	<1mm	>1mm some	B 1-2-ser
21	Some	>40/mm2	<100um	A	Y	N	N	N	N	<1mm	<1mm	G 2-6-ser
22	N	>40/mm2	<50um	A	N	N	Y	Y	N	<1mm	<1mm	B 1-2-ser
23	N	>40/mm2	<50um	A	N	Some	Y minutely	Y?	N	<1mm	<1mm	A 1-ser
24	N	>40/mm2	<50um	A/B	N	Y	N	N	N	<1mm	>1mm some	C 1-5-ser
25	N	>40/mm2	<50um	A	Y	N	N	N	N	<1mm	<1mm	G 2-6-ser
26	N	>40/mm2	c50um	A	Y	N	N	N	N	<1mm	<1mm	G 2-6-ser
27	N	>40/mm2	<50um	A	N	N	Y minutely	Y?	Y	<1mm	>1mm some	B 1-2-ser
28	Y	>40/mm2	<50um	B	N	N	N	N	N	<1mm	<1mm	B 1-2-ser
29	Y	>40/mm2	c50um	B	N	N	?	N?	N	<1mm	<1mm	C 1-5-ser
30	N	>40/mm2	c50um + ,<50um	A	Some	N	N	N	N	<1mm	<1mm	C 1-5-ser
31	Some	>40/mm2	c100um + <100um	A	Y	N	N	N	N	<1mm	<1mm	G 2-6-ser
32	N	>40/mm2	<50um	A	N	N	Y	Y	N	<1mm	<1mm	B 1-2-ser
33	N	>40/mm2	<50um	A	N	Y (Many)	Y?	Y	N	<1mm	<1mm	A 1-ser

	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1	Real Ray width	Agg Rays?	2 Widths?	Homocellular	Heterocellular	Bi/Tri ser narr	Storied?	Rays/mm	V-R Pits	P.Rare/absen	P. Apotrach.	Diffuse
3												
4	3-+10-ser	N	?	N	Sq + Up (occ	N	Almost	<4/mm	Normal	Y?	N	N
5	1-2-ser	N	N	Y pro	(occ up)	N	N?	<12/mm	Poss more B	N	Y	N
6	1-3-ser	N	N	N	Y Pro + c4 up	N	N	<12/mm	More Numero	Y	N	N
7	1-3/4-ser	N	N	N	Y Pro + Up	N	N	<12/mm	Some opp	Y	N	N?
8	1-5-ser	Some	N	N	Y Pro + 1-2up	N	N	c11/mm	Some opp + s	N	Y	Y in Aggs
9	1-4-ser	Fused	N	N	Y Pro + >4 up	N	N	<12/mm	Normal	?	Y	Y poss Aggs
10	1-ser (occ2)	Fused?	N	N	Y Pro/Sq + Up	Y	N	>12/mm	Poss more B	Y	N	N
11	1-7/8-ser	Fused	Y	N	Y	Y (not all)	N	>12/mm	Some larger	N	Y	Some Aggs
12	1-3-ser	N	N	N	Y Pro + Up	CHECK THIS	N	<12/mm	Dist. Borders	Y	N	N
13	2-3/4-ser	N?	N	Y sq + Up	Occ Sq + Pro	N	N	>12/mm	Normal	N	?	?
14	1-2-ser(occ3)	N	N	N	Y Pro + Up	Occ	Some	>12/mm	Normal	N	Y	Some Aggs
15	1-ser	N	N	Y Pro	N	NA	N	>12/mm	Normal	Y	N	N
16	1-4-ser	N	N	Y Up	N	N	N	<12/mm	Larger + som	Y	N	N
17	1-ser (occ2)	N	N	Y Up	N	NA	N	c12/mm	Some opp	N	N	N
18	1-3-ser	N	N	Y pro	Occ up@end	N	N	>12/mm	Slight;y larger	N	N	N
19	1-3/4-ser	Fused	N	N	Y Pro + Up	Some	N	>12/mm	Normal	N	Y	Y in Aggs
20	1-2 (occ3)	Fused	N	N	Y Sq/Pro + >1	Y Mostly	N	<12/mm	Normal	Y?	Y?	?
21	2-6-ser	N	N	Y pro	N	N	Some Almost	<12/mm	Normal	Y	N	N
22	1-2-ser	N	N	Y pro	N (occ up)	N	N	>12/mm	Normal	Y	N	N
23	1-ser	N	N	Y Up	N	NA	N	>12/mm	Normal	N	Y	N
24	1-2/3-ser	Fused?	N	N	Y Pro + Up	Y Often	N	>12/mm	Normal	N	Y	Some Aggs
25	2-5-ser	N	N	Y	Y Pro + Up >4	N	N	c11-12/mm	Normal	N	Y	Y
26	2-6-ser	N	N	Y Pro	Occ up@end	N	Almost	<12/mm	Normal	N	N	N
27	1(occ2)-ser	N	N	Sq-Pro	N	Some	N	>12/mm	Normal	N	Y?	Y?
28	1-2-ser	Fused?	N	N	Y Up (occ Sq	Some	N	>12/mm	Slightly Large	Y	N	N
29	1-3/4-ser	N (Fused?)	N	N	Y Pro + Up	Some	N	>12/mm	Normal	Y	N	Y?
30	1-5-ser	N	N	N	Y Pro + Up	Some	N	c12/mm	Opp/Scal	N	Y	N
31	2-4/5-ser	N	Some 1-ser	Almost Pro	Y Pro + Sq/U	N	Almost	<12/mm	Normal	?	?	N
32	1-2-ser	N	N	N	Y Pro + Sq/U	Some	N	>12/mm	More Bordere	N	N	N
33	1-ser	N	N	N ???	Y Pro ???	NA	Some	>12/mm	Normal	Y	N	N

	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
1	P. Paratrach	Vasicentric	Alif or Conf.	Banded?	1-ser or >4	>6/mm	Storied?	Fusiform	Marginal?	G.R.Absent	G.R. Distinct	Ring porous
3												
4	N	N	N	N	N	N	NA	NA	NA	Y	N	N
5	N	N	N	Y	<4-ser	N	N	N	?	?	Poss in Paren	N
6	N	N	N	N	N	N	N	N	N	Y	N	N
7	N	N	N	N	N	N	N	N	N	N	Pres line of V	N
8	N	N	N	N	N	N	N	N	N	NS	N	N
9	N	N	N	N	N	N	NS	NS	NS	?	Pres Fs	N
10	N	N	N	N	N	N	NA	NA	NA	N	Y Vs	Y
11	N	Some	N	Y	1-ser	Y	Some	N Long Stran	Y	N	Y Paren	N
12	?	Some	N	N	N	N	NS	NS	N	Y?	N	N
13	Y	Y Scanty	N	N	N	N	Y	N	Some	N	Y Vs + Paren	N
14	N	N	N	N	N	N	NS	NS	Y	N	Y Vs + Paren	N
15	?	Some	N	N	N	N	NS	NS	N	N	Pres Fs	N
16	N	N	N	N	N	N	N	N	N	N	Pres line of V	N
17	Y	Scanty	N	N	N	N	NS	NS	N	N	Y Vs	N
18	Y	Y	Some Ali	N	N	N	N	N	N	Y	N	N
19	N	N	N	N	N	N	Almost	N	Y?	N	Y Vs + Fs	N
20	N	N	N	N	N	N	NS	NS	?	N	Pres Vs + Fs	N
21	N	N	N	N	N	N	N	N	?	N	Y Vs	N
22	Y	Scanty	N	N	N	N	NS	NS	N	N	Pres Fs	N
23	N	N	N	Y	c4-ser	Y?	Y	N	Y?	N	Y Vs + Paren	N
24	N	N	N	N	N	N	N	N (c5+ cells)	N	?	Not Distinct	N
25	?	Some	N	N	N	N	N	N	Y?	N	Y Vs + Fs + P	N
26	Y	Y	N	N	N	N	N	N 4 cells	N	?	Not Distinct	N
27	N	?	N	N	N	N	NS	NS	?	N	Y Fs +/-or P	N
28	N	N	N	N	N	N	N	N	N	N	Y Vs + Fs	N
29	N	N	N	N	N	N	NA	NA	NA	N	Y Vs + Fs	N
30	Y	Y	Some	Some Marg	<4-ser	>6/mm	Some	N	Y	N	Y Fs + Paren	N
31	Some	Some	N	N	N	N	N	N	Y?	N	Y Vs + Fs + P	N
32	Y	Scanty	N	N	N	N	N	N	N	N	Y Vs	N
33	N	N	N	N	N	N	N	N	N	Y	N	N

	AW	AX	AY	AZ	BA
1	Semi-R porous	Crystals?	Resin canals	Sheath Cells?	Tile Cells?
3					
4	N	N	N	Y V clear	N
5	N	Y in P + R	N	N	N
6	N	N	N	N	N
7	N	N	N	Some	N
8	N	Y in R	N	N	N
9	N	N	N	N	N
10	Y	N	N	N	N
11	N	Y in R	N	Some	Y
12	N	N	N	Some	Some
13	Y	N	N	N	N
14	Y	N	N	N	N
15	N	N	N	N	N
16	N	N	N	N	N
17	Almost	N	N	N	N
18	N	poss in Rays	N	N	N
19	Y	N	N	N	N
20	N	N	N	N	N
21	Y	N	N	N	N
22	N	N	N	N	N
23	N	N	N	N	N
24	N	N	N	N	Some
25	N	Y in R	N	N	N
26	Poss	N	N	N	N
27	N	N	N	N	N
28	Y	N	N	N	Some
29	Slightly	N	N	N	Some
30	N	N	N	Y	Y
31	Y	N	N	N	N
32	Y	N	N	N occ	N
33	N	N	N	N	N

	A	B	C	D	E	F	G	H	I	J	K	L
1	TYPE	Poss Id?	V.Solitary	Short Radials	Radials >4	Rad/Obliq. Or	Clusters	Perf plates	V. Spirals	Pits <3um	Arrangement	Vestured?
34	HH		Y	Y	Occ	N	N	Simple	N	Y	Alt	N
35	II		Y	Y	N	N	N	Multi	Faint	Y	Alt	Too sm to see
36	JJ		Y	Y	Y	Y?	Some	Simple	N	N Slit-like	Alt	?
37	KK		Occ	Y	Y	Y	N	Simple	Faint	Y	Alt	N
38	LL		Occ	Y	Y	Y	Y	Simple	Faint	Y	Alt	N
39	MM		Y	Y	Occ	N	Y	Simple	N	Y	Alt	N
40	NN		Some	Y	Some	Y	N	Simple	N	Y	Alt	Too sm to see
41	OO		N	Y	Y	Y	N	Simple	Faint	Y	Alt	?
42	PP		Y	Occ	N	N	N	Simple	N	N	Alt	Y?
43	QQ		Y	Y	Occ	N	Occ	Simple	N	N	Alt	Some?
44	RR		N	Y	Y	Y Rad + Obliq	Y	Simple	Y	Y Slit-like	Alt	N
45	SS		N	Y	Y	Y	N	Simple	N	Y Slit-like	Alt	N
46	TT		Occ	Y	Y	Y	N	Simple	N	Some + Slit-li	Alt	Too sm to see
47	UU		N	Y	Y	Y	N	Simple	N	Y	Alt	Too sm to see
48	VV		Y	Occ	N	Tang	N	Simple	N	Borderline	Alt	N Slit-like
49	WW		Occ	Y	Occ	N	Occ	Simple	N	Some	(coal) Alt	N
50	XX		N	Occ	Occ	Y?	Y	Simple	N	Y	Alt	N
51	YY		N	Occ	N	Tang	Y	Simple	Faint	Some	(coal) Alt	N
52	ZZ		Occ	Occ	Y	Y	N	Simple	N	Y	Alt	Too sm to see
53	53		Y	Y	N	N	Y	Simple	N	Y	Alt	N
54	55		Y	Y	Y	N	Some	Simple	N	Y Slit-like	Alt	N
55	56		Occ	Y	Y	Y	Occ	Simple	Y	Y	(coal) Alt	Too sm to see
56	57		Y	Y	N	N	Y	Simple	N	N	Alt	N
57	58		N	N	Y	Y	N	Simple	N	Y	Alt	Y?
58	59		Y	Y	N	N	N	Simple	Faint	Y	Alt	N
59	60		Y	Y	N	N	Occ	Simple	N	Y	Alt	N
60	61		Occ	Y	Y	Y	N	Simple	Faint	N	Alt	N
61	62		Y	Y	N	Tang	Y	Simple	Y	Y	Alt	N
62	63		Y	Y	Y	Rad	Y	Simple	N	Y	Alt	N
63	64		Occ	Y	Y	Rad	N	Simple	Y	Y	(coal) Alt	N
64	65		N	Y	Y	Rad	N	Simple	Y	Not all	Alt	N

	M	N	O	P	Q	R	S	T	U	V	W	X
1	Tyloses?	V/mm2	V.Size	V. El. Length	F. Septate	Thick walled?	Pits bordered?	F Tracheids	Spirals?	F. Length	Ray Hight	Ray width
34	N	Just >40/mm2	<50um	A	Some	N	N	N	N	<1mm	up to c 1mm	H 4-10-ser
35	Some	>40/mm2	c50um	A/B	Y	N	N?	N	N	<1mm	<1mm	B 1-2-ser
36	N	>40/mm2	c50um	A	Y	N	N	N	Y	>1mm some	>1mm	G 2-6-ser
37	Y	>40/mm2	<100um	B	Y	N	N	N	N	>1mm some	>1mm	C 1-5-ser
38	Y	>40/mm2	<100um	A/B	Y	N	N	N	N	>1mm some	>1mm some	C 1-5-ser
39	N	>20,<40/mm2	<100um	A	Some	Y	Y	Y	N	<1mm	<1mm	B 1-2-ser
40	Y	>40/mm2	<100um	A	N	N	N	N	Y	<1mm	>1mm	G 2-6-ser
41	N	>40/mm2	<50um	B	Y	N	N	N	N	<1mm	Some c 1mm	C 1-5-ser
42	N	>40/mm2	<50um	B	N	N	Too sm to see	N?	N	<1mm	>1mm	C 1-5-ser
43	Y	>20,<40/mm2	<100um	Just B	Some	N	Y minutely	Y	N	<1mm	<1mm	B 1-2-ser
44	N	>40/mm2	<50um	A	Some	Y (mostly)	N	N	N	<1mm	<1mm	A 1-ser
45	N	>20,<40/mm2	c50um +,<50um	A	N	Some	N	N	N	<1mm	<1mm	C 1-5-ser
46	Some	>20,<40/mm2	<100um	A/B	N	Some	Y?	Y	N	<1mm	<1mm	A 1-ser
47	N	>40/mm2	<50um	B	N	N	Y	Y	N	<1mm	<1mm	B 1-2-ser
48	N	>40/mm2	<100um	B	N	Some	Y	Y	N	<1mm	>1mm some	C 1-5-ser
49	Some	>40/mm2	<100um	A/B	N	N	N	N	N	<1mm	<1mm	A 1-ser
50	N	>40/mm2	<100um	A	N	N	N	N	N	<1mm	<1mm	C 1-5-ser
51	N	>40/mm2	<100um	A	Y	N	N	N	N	<1mm	<1mm	C 1-5-ser
52	N	>40/mm2	c50um	A	N	N	NS	NS	NS	NS	<1mm	B 1-2-ser
53	N	>20,<40/mm2	<100um	A	Y	N	N	N	N	<1mm	<1mm	A 1-ser
54	Y	>40/mm2	c50 + <50um	A	Y	Mostly	Y	Y	Y	<1mm	<1mm	A 1-ser
55	N	>40/mm2	c50 + <50um	A	Some	N	N	N	N	<1mm	<1mm	C 1-5-ser
56	N	<20/mm2	<150um	A	N	Some	N?	N	N	<1mm	<1mm	B 1-2-ser
57	N	>40/mm2	<100um	A/B	N	N	N	N	N	<1mm	Some c1mm	C 1-5-ser
58	Some	>40/mm2	c50 + <50um	A	Y	N	N	N	N	<1mm	<1mm	C 1-5-ser
59	N	c40/mm2	c50um	A	Y	N	N	N	N	<1mm	<1mm	C 1-5-ser
60	N	>40/mm2	c50 + <50um	B	Y	N	N	N	N	?<1mm	<1mm	C 1-5-ser
61	N	>40/mm2	<50um	B	Y	N	N	N	N	<1mm	<1mm	C 1-5-ser
62	N	>40/mm2	<100um (c50)	A/B	Y	N	N	N	N	<1mm	>1mm	G 2-6-ser
63	N	>40/mm2	c50 + <50um	A	N	N	N	N	N	<1mm	<1mm	D 2-ser
64	Some	>40/mm2	c50 + <50um	B	Y	N	NS	NS	N	<1mm	<1mm	C 1-5-ser

	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1	Real Ray width	Agg Rays?	2 Widths?	Homocellular	Heterocellular	Bi/Tri ser narr	Storied?	Rays/mm	V-R Pits	P.Rare/absen	P. Apotrach.	Diffuse
34	>4-ser	N	N	Y Up	N	N	N	<4/mm	NS	Y	N	N
35	1-2-ser	Poss Fused	N	N	Y Pro + Up	Some	N	c12/mm	Normal	Y (not V Clea	N	N
36	3-6-ser	N	N	N	Y Sq + Up	N	N	c4/mm	?	Y	N	N
37	1-5-ser	Some Fused	N	N	Y Sq + Up	N	N	<12/mm	Lg + Opp/Scal	Y	?	?
38	1-6/7-ser	N	N	N	Y Pro + Up	N	N	<12/mm	Larger + some	?	?	?
39	1-2-ser	N	N	N	Y Pro + Up	Y	Y	>12/mm	Some larger	N	Y	N
40	1/2-6-ser	Y	N	N	Y Pro/Sq + Up	N	N	>12/mm	Normal	Y?	N	N
41	1-5-ser	N	N	N	Y Pro/Sq + Up	N	N	c4/mm	Normal	N	Y	Y in Aggs
42	1-3/4-ser	Fused?	N	N	Mostly Up ser	N	N	>12/mm	Enlarged	N	Y	Y in Aggs
43	1-2-ser	N	N	N	Y Pro + Up	N	N	>12/mm	Normal	Y	N	N?
44	1-2-ser	N	N	NS	NS	NA	N	Not Clear	NS	N	N	N
45	1-3/4-ser	N	N	N	Y Pro + Up 1c	N	N	c11/12/mm	Less Slit-Like	N	N	N
46	1(occ2)-ser	Some	N	N	Y Pro + Up	NA	N	>12/mm	Large	N	Y	Y in Aggs
47	1-2(occ 3)-ser	N	N	N	Y Pro + 1-4up	N	Some	>4,<12/mm	Normal	Y	N	N
48	1-5/6-ser	N?	Some 1-ser	N	Y Pro + Up (>	N	N	>12/mm	Dist. Borders	N	Y	N
49	1-ser	N	N	Y pro	N	NA	N	>12/mm	Normal	N	Y	N
50	1-ser + up to 1	N	Y?	N	Y Pro/Sq + Up	N	N	<12/mm	Normal	N	N	N
51	1-ser + 1-5/6-	N	?	N	Y Pro/Sq + Up	N	Almost	<12/mm	Normal	N	N	N
52	1-2-ser	N	N	Y Up	N	Y	N	>12/mm	Normal	Y?	Not Clear	Not Clear
53	1-ser	N	N	N	Y Sq + Up	NA	N	>12/mm	Opp + Scal	?	N	N
54	1-ser	N	N	N	Y Pro + Up	NA	N	>12/mm	Some Opp	N	Y	Y in aggs
55	up to 5/6-ser	N	N	Y Pro	Y Pro + Up	N	N	<12/mm	Normal	Y	N	N
56	Occ 3-ser	N	N	Y Pro	(Occ Sq too)	N	Some	c12/mm	Normal	N	N	N
57	1-5-ser	N	N	N	Sq/Pro + long	N	N	<12/mm	Normal	Y	N	N
58	1-4-ser	N	N	N	Pro + 1-2-up	N	N	c12/mm	Normal	Y	N	N
59	1-5-ser	N	N	N	Pro + 1-2-up	N	N	<12/mm	Normal	Y	N	N
60	1-3/4-ser	N	N	N	Y Sq + Up (sc	N	N	>12/mm	Opp + Scal	?	?	Y?
61	1-5-ser	N	N	Almost	Pro + 1-2-up	N	Almost	<12/mm	Normal	Y	N	N
62	2-6/7-ser (occ	N	Y (1-2-ser too	N	Y Pro + Sq (o	N	N	<12/mm	Normal	Y	N	N
63	1-3-ser	N	N	Y Pro	N	N	Y	c12 + <12/mm	Normal	N	N	N
64	1-5-ser	some fused	N	N	Sq + Up	N	Y	<12/mm	Enlarged + Sc	Y	N	N

	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
1	P. Paratrach	Vasicentric	Alif or Conf.	Banded?	1-ser or >4	>6/mm	Storied?	Fusiform	Marginal?	G.R.Absent	G.R. Distinct	Ring porous
34	N	N	N	N	N	N	N	N	N	Y	N	N
35	N	N	N	N	N	N	N	N	N	?	Fs?	N
36	N	N	N	N	N	N	N	N	N	N	Y Fs	N
37	N	N	N	N	N	N	NA	NA	NA	N	Fs?	N
38	N	N	N	N	N	N	N	N Long Stran	?	N	Y Fs +/-or P	N
39	N	N	N	Y	Variable (<4-s	Y	N	N 4 cells	Y	N	Y Fs + Paren	N
40	?	Scanty	N	N	N	N	N	N	N	N	Y Fs	N
41	N	N	N	N	N	N	N	N Chambered	?	N	Y Paren	N
42	N	N	N	Almost	1-2-ser	N	NS	N	N	N	Y Fs	N
43	N	N	N	N	N	N	N	N	N	N	Y Fs	N
44	Y?	Y?	N	N	N	N	N	N	N	N	Pres Fs	N
45	Y	Y	Some	N?	N	N	N	N	N?	?	Fs?	N
46	N	N	N	Y	1-3-ser	Y?	N	N	Y	N	Pres Fs + P	N
47	N	N	N	N	N	N	NA	NA	NA	N	Y Vs + Fs	N
48	N	N	N	Y	>4-ser	N	Not Clear	?	Y	N	Y Vs + Paren	N
49	Y	Y	Some Ali	Y	c4-ser	N	N	N 4-6-cells	Y	N	Y Fs + Paren	N
50	Y	Y	N	N	NA	NA	N	N	N	N	Y Fs + Vs	N
51	Y	Y	N	N	NA	NA	N	N	N	N	Y Fs + Vs	N
52	Not Clear	Not Clear	Not Clear	Not Clear	Not Clear	Not Clear	Not Clear	Not Clear	Not Clear	Y	N	N
53	Y	Scanty	N	N	N	N	?	?	N	N	Y Fs	N
54	N	N	N	Y?	1-2-ser	>6/mm	N	N	Some	N	Y Paren	N
55	N	N	N	N	N	N	N	N	N	N	Y Vs (in Band	N
56	Y	Y	Some	N	N	N	Not Clear	Not Clear	?	?	N	N
57	N	N	N	N	N	N	NA	NA	NA	?	Y Fs	N
58	N	Scanty	N	N	N	N	N	N	N	N	Y Vs + Fs	N
59	N	N	N	N	N	N	N	N	N	N	Y Fs	N
60	N	N	N	N	N	N	?	?	N	N?	Y Fs	N
61	N?	Scanty	N	N	N	N	N	N	N	?	Y Vs + Fs	N
62	?	Scanty	N	N	N	N	N	N	?	N	Y Fs	N
63	Y	Y	N	N	N	N	Y	Occ (Mostly 2	N	N	Y Vs	N
64	N	N	N	N	N	N	NA	NA	NA	Not Clear	Y Vs	N

	AW	AX	AY	AZ	BA
1	Semi-R porous	Crystals?	Resin canals	Sheath Cells?	Tile Cells?
34	N	N	N	N	N
35	N	N	N	Some	N
36	N	N	N	Some	N
37	N	N	N	N	N
38	N	N	N	Some	N
39	N	N	N	N	N
40	N	N	N	Y some in Ag	N
41	N	N	N	Y	Y
42	N	N	N	N	N
43	N	N	N	N	N
44	N	N	N	N	N
45	N	N	N	N	N
46	N	N	N	N	N
47	Y	N	N	N	N
48	?	N	N	Y	N
49	N	N	N	N	N
50	N	N	N	Y	N
51	Y?	N	N	Y some	N
52	N	N	N	N	N
53	N	Some In R	N	N	N
54	N	N	N	N	N
55	N	N	N	Some	N
56	?	Some In R	N	N	N
57	N	N	N	Y	N
58	Y	N	N	N	N
59	N	N	N	Some	N
60	N	N	N	N	N
61	?	N	N	N	N
62	N	N	N	N	N
63	N?	N	N	N	N
64	?	N	N	N	N

	A	B	C	D	E	F	G	H	I	J	K	L
1	TYPE	Poss Id?	V.Solitary	Short Radials	Radials >4	Rad/Obliq. Or	Clusters	Perf plates	V. Spirals	Pits <3um	Arrangement	Vestured?
65	66		Y	Y	Some	N	N	Simple	N	Y	Alt	Too sm to see
66	67		N	Y	Y	Y	N	Simple	N	Mostly	Alt	N
67	68		Y	Y	N	N	N	Simple	N	Y	Alt	Too sm to see
68	69		Occ	Y	Y	Y	N	Simple	Faint	Y	Alt	Too sm to see
69	70		Y	N	N	N	N	Simple	N	N	Alt	N
70	71		Y	N	N	N	N	Simple	N	Y	Alt	Not Clear
71	72		Occ	Y	Some	Y?	Y	Simple	N	Mostly	Alt	Y
72	73		Y	Y	Occ	Y	N	Simple	N	Not all	Alt	N
73	74		Y	Occ	N	N	N	Multi	N	Y	Alt	N
74	75		Y	Y	N	N	N	Simple	N	Y	Alt	Too sm to see
75	76	Buxus?	Y	Occ	N	N	N	Multi	N	Y	Alt	Too sm to see
76	77		N	Y	Y	Rad/Obliq.	Y	Simple	N	Borderline	Alt	N Slit-like
77	78		Occ	Y	N	Tang	Y	Simple	Some	Some	Alt (Coal)	N
78	79		Y	Y	N	N	N	Simple	Y	Y	Alt	Too sm to see
79	81		Y	Occ	N	N	N	Multi	N	Mostly	Alt	Y?
80	83		Y	Occ	N	N	N	Simple	N	N	Alt	N
81	84		Y	Y	N	N	N	Simple	N	Y	Alt	N
82	85		Y	Y	N	N	Occ	Simple	N	Y	Alt	Too sm to see
83	86		N	Occ	Y	Y	Occ	Simple	N	Borderline	Alt (Coal + Sli	Can't See
84	87		Occ	Y	Y	Y	N	Simple	N	Y	Alt	N
85	88	Buxus?	Y	N	N	N	N	Multi	N	Y	Alt + Opp	Too sm to see
86	89		Y	N	N	N	N	Multi	N	Y	Scarce	Too sm to see
87	90		Y	Occ	N	N	N	Simple	Some	Y	Alt	N
88	91		Y	Y	Occ	N	N	Simple	N	Y	Alt	Too sm to see
89	92	Same As Types 69 + 79										
90	93		Y	Y	N	N	N	Simple	N	Y	Alt	Y?
91	95		Y	Occ	N	N	N	Simple	N	N	Alt	N
92	96		Occ	Y	Occ	Y	N	Simple	N	Mostly	Alt (Coal)	Not Clear
93	97		Y	N	N	N	N	Simple	N	Y	Alt	N
94	101		Y	N	N	Tang	N	Multi	N	Y	Alt	N
95	102		Y	Y	N	N	Y	Simple	Y	Borderline	Alt	N

	M	N	O	P	Q	R	S	T	U	V	W	X
1	Tyloses?	V/mm2	V.Size	V. El. Length	F. Septate	Thick walled?	Pits bordered?	F Tracheids	Spirals?	F. Length	Ray Hight	Ray width
65	Some	>20,<40/mm2	<100um	A	N	N	N	N	N	<1mm	Some c1mm	C 1-5-ser
66	Some	>40/mm2	<100um	A	Some	N	N	N	N	<1mm	<1mm	C 1-5-ser
67	N	>40/mm2	<50um	B (occ)	Y	N	N	N	N	<1mm	<1mm	B 1-2-ser
68	Some	>40/mm2	<50um	B	Y	N	N	N	N	<1mm	<1mm	B 1-2-ser
69	Some	<20/mm2	<250um	A	N?	Y	NS	N	N	<1mm	<1mm	A 1-ser
70	N	<20/mm2	<100um	?	Can't see	Y	NS	NS	NS	<1mm	Some >1mm	I 4-10-ser + >
71	N	c40/mm2	<100um	A	N	N	Too sm to see	N?	N	<1mm	<1mm	A 1-ser
72	N	>40/mm2	c50 +<50um	A	Y	N	N	N?	N	<1mm	<1mm	C 1-5-ser
73	Some	>40/mm2	<50um	A/B	N	N	N	N?	N	<1mm	<1mm	B1-2-ser
74	N	>40/mm2	<50um	A	N	N	Y Minutely	Y?	N	<1mm	Some >1mm	C 1-5-ser
75	N	>40/mm2	<50um	A	N	Y some	Minutely	?	N	<1mm	<1mm	B1-2-ser
76	Some	>40/mm2	<50um	A	N	N	Can't See	?	N	<1mm	<1mm	A 1-ser
77	Y	>40/mm2	<100um	A	N	N	N	N	N	<1mm	<1mm	G 2-6-ser
78	Some	>40/mm2	<50um	B	Y	Occ	N	N	N	<1mm	<1mm	B1-2-ser
79	Some	>40/mm2	<50um	B	N	N	Y	Y	N	<1mm	<1mm	C 1-5-ser
80	N	c40/mm2 + le	Var. <150um	A	N	N	NS	N	N	<1mm	Some c1mm	C 1-5-ser
81	N	>40/mm2	<50um	A	N?	Y	Minutely	?	N	<1mm	<1mm	C 1-5-ser
82	Y	>20,<40/mm	<100um	A	Y	N	N	N	N	<1mm	<1mm	C 1-5-ser
83	N	>40/mm2	<50um	A Just	N?	Y	Too sm to see	?	N	<1mm	<1mm	A 1-ser
84	N	>40/mm2	<50um	B	N	N	N	N	N	<1mm	<1mm	A 1-ser
85	N	>40/mm2	<50um	A	N	N	N	N	N	<1mm	<1mm	A 1-ser
86	N	>40/mm2	<50um	B	N	Y	N	N	N	<1mm	Some >1mm	A 1-ser
87	N	>40/mm2	<50um	B Just	N	Y	Minutely	Y?	N	<1mm	<1mm	A 1-ser
88	N	>40/mm2	<50um	B	Y?	N	N	N	N	Not comp.	Some >1mm	C 1-5-ser
89												
90	N	>40/mm2	<50um	A	N	Y some	Y?	Y?	N	<1mm	<1mm	G 2-6-ser
91	N	<20/mm2	<150um	A	Too Think to s	Y	NS	NS	NS	NS	<1mm	C 1-5-ser
92	N	>40/mm2	<100um	B?	Y	N	N	N	N	<1mm	>1mm	C 1-5-ser
93	N	c40/mm2	c50um	B	NS	Y	N	N	N	<1mm	Not Comp.	B 1-2-ser
94	N	>20,<40/mm2	<100um	B (almost C)	N	N	Minutely	Y?	N	<1mm	<1mm	B 1-2-ser
95	N	c40/mm2	c50 + <50um	A (high)	Some	N	N	N	N	<1mm	Some >1mm	C 1-5-ser

	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1	Real Ray width	Agg Rays?	2 Widths?	Homocellular	Heterocellular	Bi/Tri ser narr	Storied?	Rays/mm	V-R Pits	P.Rare/absen	P. Apotrach.	Diffuse
65	1-4/5-ser	N	N	N	Pro + Up@en	Occ (sm. Ray	Y?	<12/mm	Normal	Y	N	N
66	1-3/4-ser	N	N	Almost	Occ Up	N	N	c12/mm	Normal	N	Y	N
67	1-2-ser	N	N	N	Y Pro with Sq	Some	N	<12/mm	Normal	Y	N	N
68	1-2 (occ3)-ser	N	N	N	Y Pro + 1-2 U	Some	N	11,12/mm2	Normal	Y?	N	Poss Aggs
69	1-ser (occ 2)	N	N	N	Pro + up	N	N	>12/mm2	Normal	N	Y	Ch Ax bundel
70	>4 - >10-ser	Y	N	Y Pro	N	N	Some	4-6/mm2	NS	N	Y	N
71	1-ser	N	N	Y Up	N	NA	N	>12/mm	Normal	Y	N	N
72	1-3/4-ser	N	N	N	Pro + Up	Y	N	>12/mm	Opp/Scal + lg	Y	N	N
73	1-2-ser (occ 3)	N	N	N	Sq/Pro + Up	Y Many	N	>12/mm	Normal	N	Y	Y in Aggs
74	1-5-ser	Fused	N	N	Pro + >4 Up	Y Some	N	>12/mm	Normal	N	Y	Y in Aggs
75	1-2-ser (occ3)	N	N	N	Y Pro + Up/Sq	N	Some?	c12/mm2	Normal	N	N	N
76	1-ser (occ2)	Fused?	N	N	Sq/Pro + Up	When Presen	N	>12/mm2	Enlarged + O	N	Y	N
77	2-5-ser	N	N	N	Pro + 1-2 Up	N	Some (not all)	<12/mm2	Normal	N	N	N
78	1-2-ser (occ 3)	N	N	N	Y Pro + Up to	N (some?)	Some	<12/mm2	Normal	Y	N	N
79	1-2/3-ser mos	N	N	N	Y Pro + Up	Some	N	>12/mm2	Enlarged	Y	N	N
80	1-5-ser	Fused?	N	N	Sq/Pro + Up	N	N	<12/mm	Normal	N	N	N
81	1-3/4-ser	N	N	N	Pro + 1-2 Up	Occ	Some	c12/mm	Normal	N	Y	Y in Aggs
82	1-3-ser (occ v	N	N	N	Pro + 1-2 Up	N	N	<12/mm	Normal	N	N	N
83	1-ser (occ 2)	Fused?	N	N	Sq, Pro + Up	When Presen	N	>12/mm	Not Clear	N	Y	N
84	1-ser (occ 2)	N	N	Almost	Pro (1 Sq occ	NA	N	<12/mm	Slightly Large	Y	N	N
85	1-ser (occ 2)	N	N	Y Pro	N	N	N	<12/mm	Normal	Y	N	N
86	1-ser (occ 2)	Fused?	N	N Almost	Y Up + Occ P	NA	N	>12/mm	Lg + Opp/Sca	N	Y	Y
87	1-ser (occ 2)	N	N	Y Pro	N (occ enlarg	N	N	>12/mm	Normal	Y?	?	Y Aggs?
88	1-ser parts +	N	N	N	Y Up + Pro	Mostly	N	>12/mm	Normal	Y	N	N
89												
90	up to 5/6-ser	Y	N	N	Y Pro/Sq + Up	N	N	>12/mm	Normal	N	Y	Y in Aggs
91	1-2 + Up to 5-	N	Y?	Y pro	N	N	Y	c12/mm	Normal	N	Y	N
92	2-3/4-ser	N	N	N	Y Pro + Up (>	N	N	<12/mm	Normal	N	Y	N
93	1-2-ser	N	N	N	Y Pro + Up (>	Y	N	>12/mm	More Numero	N	Y	Y
94	1-2-ser (occ3)	N	N	Y pro	N Occ Sq	N	N	>12/mm	Slightly Large	N	N	N
95	1-5-ser (also	N	N	N	Sq Pro + Up	N	N	<12/mm	Occ Scal	Y	N	?

	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
1	P. Paratrach	Vasicentric	Alif or Conf.	Banded?	1-ser or >4	>6/mm	Storied?	Fusiform	Marginal?	G.R.Absent	G.R. Distinct	Ring porous
65	N	N	N	N	N	N	NA	NA	NA	N	Y Vs + Fs	N
66	N	N	N	Y	Up to 4	<6/mm	N	N	Y	N	Y Paren	N
67	N	N	N	N	N	N	NA	NA	NA	Y	N	N
68	N	N	N	N	N	N	N	NA	N	Y	N	N
69	Y	Y	Y	N	N	N	N	Occ + 2 cells	Y	N	Y Paren	N
70	N	N	N	Y	<4-ser	>6/mm	N	N	N	Y	N	N
71	N	Scanty if at al	N	N	N	N	N	N	N	Y	N	N
72	N	N	N	n	N	N	N	N	N	Y?	N	N
73	Y	Scanty	N	N	N	N	N	N	N	N	Y Fs	N
74	N	N	N	N	N	N	N	N	Poss Some	N	Y Fs + P	N
75	Y	Scanty	N	N	N	N	N	N	N	N	Y Vs	N
76	Y	N	N	Y	<4-ser	>6/mm	N	N	N	N	Y Fs	N
77	Y	N	Some Ali.	N	N	N	N	Some	N	N	Y Vs + Fs	N
78	N	N	N	N	N	N	NA	NA	NA	Rare	Pres Fs	N
79	N	N	N	N	N	N	N	N	N	N	Y Fs	N
80	Y	Y	Y	Almost	>4-ser	N	N	N	Y	N	Y Vs + Paren	Y
81	N	N	N	N	N	N	N	N (Ch Strands	Y	N	Y Vs + Paren	N
82	Y?	Scanty ?	N	N	N	N	N	N	N	Y	N	N
83	N	N	N	Y	c3-ser	>6/mm	N	N (c7 cell stra	Y (P more foc	N	Y Fs + Paren	N
84	N	N	N	N	N	N	N	N	N	Y	N	N
85	N	N	N	N	N	N	N	N	N	N	Y Vs	N
86	N	N	N	Y	1-ser	N	N	N 6+ cells	Y?	N	Y Vs	N
87	N	N	N	N	N	N	N	N	N	N	Pres Fs + Vs	N
88	N	N	N	N	N	N	N	N	N	N	Pres in Fs	N
89												
90	N	N	N	Almost	1-ser	Y (if bands)	N	N >4 cells	N	N	Pres Fs + Vs	N
91	N	N	N	Y	1-ser, up to 4	>6/mm	Y	N 2 cells	NS	NS (Y)	N	N
92	N	N	N	Y	1-3-ser	c6/mm	N	N Ch strands	N	Y	N	N
93	Y	Y Some	Some	Y	>4-ser	>6/mm	N	N (long strand	?	Y	N	N
94	Y	Y	Some	N	N	N	N	Long Strands	With Vs	N	Y Vs	Y
95	N	Scanty	N	N	N	N	N	N	N	Y	N	N

	AW	AX	AY	AZ	BA
1	Semi-R porous	Crystals?	Resin canals	Sheath Cells?	Tile Cells?
65	N	N	N	N	Almost in Sm
66	N	N	N	N	N
67	N	N	N	N	N
68	N	N	N	N	N
69	N	Y in Ax P	N	N	N
70	N	Y in Ax P	Y	N	N
71	N	N	N	N	N
72	N	N	N	N	N
73	N	Y in Ch Ax P	N	N	N
74	Y	N	N	Y Some	N
75	Y?	N	N	N	N
76	N	N	N	N	N
77	Y	N	N	Some	N
78	N	N	N	N	N
79	N	N	N	N	N
80	Y	N	N	Y	?
81	Y	N	N	N	N
82	N	N	N	Some	N
83	N	N	N	N	N
84	N	N	N	N	N
85	N	N	N	N	N
86	Y	N	N	N	N
87	N	N	N	N	N
88	N	N	N	N	N
89					
90	N	N	Y In rays	Y some	N
91	N	N	N	N	N
92	N	N	N	N	N
93	N	N	N	N	N
94	N	N	Y Some	N	N
95	N	N	N	Y Some	N

	A	B	C	D	E	F	G	H	I	J	K	L
1	TYPE	Poss Id?	V.Solitary	Short Radials	Radials >4	Rad/Obliq. Or	Clusters	Perf plates	V. Spirals	Pits <3um	Arrangement	Vestured?
96	103		N	Y	Y	Y	Y	Simple	N	N	Alt	Y
97	104		N	Y	Y	Obliq	Y	Multi	Y	Y	Alt	N
98	105		Y	Occ	N	N	N	Multi	N	Y	Alt	Too sm to see
99	106		Y	Y	N	N	N	Multi	N	Y	Alt	Too sm to see
100	107		Occ	Y	Y	Y	N	Simple	N	Y	Alt	N
101	108		N	Y	Y	Y	N	Simple	Some	Y	Alt	N
102	109		N	N	Y	Y	Y	Simple	Y	Y	Alt	N

	M	N	O	P	Q	R	S	T	U	V	W	X
1	Tyloses?	V/mm2	V.Size	V. El. Length	F. Septate	Thick walled?	Pits bordered	F Tracheids	Spirals?	F. Length	Ray Hight	Ray width
96	N	c40/mm2	<100um	A	N	N	N	N	N	<1mm	>1mm	E 1-ser + 4-10
97	N	>40/mm2	<50um	A	N	N	N	N	N	<1mm	<1mm	A 1-ser
98	N	>40/mm2	<50 (c10um)	Not Comp A?	N	Y	Minutely	?	N	<1mm	Some >1mm	C 1-5-ser
99	N	>40/mm2	<50um	A	N	Some	Y?	Y?	N	<1mm	<1mm	C 1-5-ser
100	N	>40/mm2	<50um	A	N	Med.	N	N	N	<1mm	<1mm	A 1-ser
101	Some	>40/mm2	c50 + <50um	A/B	Y	N	N	N	N	<1mm	Some >1mm	C 1-5-ser
102	N	>40/mm2	<50um	A	Some	N	N	N	Some	<1mm	<1mm	A 1-ser

	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1	Real Ray width	Agg Rays?	2 Widths?	Homocellular	Heterocellular	Bi/Tri ser narr	Storied?	Rays/mm	V-R Pits	P.Rare/absen	P. Apotrach.	Diffuse
96	4-10-ser (occ	Y some	Y? some 1-se	N	Y Pro + Up	N	N	>12/mm	Normal	N	N	N
97	1-ser	N	N	N	Y Pro Up/Sq	NA	N	>12/mm	Normal	Y	N	N
98	2-3-ser w/ 1-s	Fused?	N	N	Y Pro + Up	N	N	>12/mm	Normal	N	Y	N
99	2-3-ser (occ 4	Fused	N		N	Some	N	>12/mm	Opp + Lgr	Y?	N	?
100	1-ser (+ V. SH	N	N	Y Up	N	NA	N	>12/mm	NS	N	N	N
101	1-3-ser	Fused	N	N	Y Up + Sq	N	N	<12/mm	Opp/Scal + Lg	N	Y	Y in Aggs
102	1-ser (occ 2)	N	N	N	Y Up + Sq/Pro	N	N	c 12/mm	Normal	N	Y	N

	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
1	P. Paratrach	Vasicentric	Alif or Conf.	Banded?	1-ser or >4	>6/mm	Storied?	Fusiform	Marginal?	G.R.Absent	G.R. Distinct	Ring porous
96	Y	Y	Some	N	N	N	N	Some (+2 cel	N	N	Pres in Fs	N
97	N	N	N	N	N	N	N	N	N	?	Pres in Fs	N
98	N	N	N	Y	>4-ser	N	NS	NS	Y	N	Y Fs + Paren	N
99	N	N	N	N	N	N	N	N	N	N	Y Vs + Fs	N
100	Y	Scanty	N	N	N	N	N	N	N	Y	N	N
101	N	N	N	N	N	N	NS	NS	NS	N	T Fs	N
102	Y	Y	N	Y	1-ser	>6/mm	N	1-2cells	N	Y?	N	N

	AW	AX	AY	AZ	BA
1	Semi-R porous	Crystals?	Resin canals	Sheath Cells?	Tile Cells?
96	Y	N	N	Y	N
97	N	N	N	N	N
98	N	N	N	N	N
99	Y?	Some in Rs	N	N	N
100	N	N	N	N	N
101	N	N	N	N	N
102	N	N	N	N	N