## Supplementary Table S2 – Published Pollen Morphological Data

Taxa	Equatorial diameter	Papilla length & shape	Polar length (incl. Papilla)	Exine thickness	Referecne
Athrotaxoideae					
Athrotaxis cupressoides	28–30 μm	2.5-4 µm, straight or weakly bent			6
	27–30 µm				7
	14–18 μm				9
	27–30 µm	<2 µm			11
Cunninghamioideae					
Cunninghamia lanceolata	30–38 µm				1
(=C. sinensis)	34.2–40 μm	very short or not detectable			3
	34–40 μm	indistinct aperture			5
	31–34 µm	porate, very short or not detectable			4, 7
	27 (39) 47 µm	very short or not detectable			6
	28–39 µm				9
	31–53 µm	very short			10
	31–54 µm	<2 µm			11
	(26.5) µm	very short	(24.4) μm		14
	26–36 µm				16
	(32.7) µm		(16.2) µm		17
	32.4 (40.8) 46 µm	4–5 μm	35.7 (36.5) 40.8 µm		20
Taiwanioideae					
Taiwania cryptomeroides	30–32 µm	indistinct aperture			5, 9
(=T. flousiana)	29 (30) 31 µm	<5.5 μm			6
	(20) µm	very short			7
	20–31 µm	<2 μm			11
	21.7 (23.7) 26.7 µm	very short	18.4 (22.2) 25.1 μm		13, 14
	24–36 µm			3–4 µm	16
Sequoioideae					
Metasequoia glyptostroboides	19–28 μm	>6 µm, straight or top bent			5
	22 (25) 30 µm	>3 µm			6
	(30) µm				7
	18–23 μm	2–3.5 µm			9
	17.2 (24.3) 26.5 µm	<3 µm, weakly or sharply bent			11
	25–28 μm			2–3 µm	16
	(24.4) µm		(12) µm		17
	18.7–28 μm			2–3 µm	18
Sequoia sempervirens	28–32 μm	sharply bent	(33) µm		4
	28–34 µm	sharply bent			5
	27 (37) 41 μm	<3.5 μm			6
	22–25 μm	·			8
	34–36 µm	3.4–4.5 μm			9
	30.5 (34.7) 40.6 µm	3–4 µm, weakly or sharply bent			11
	23–43 µm			2–3 µm	18

Sequoiadendron giganteum	33–42 μm				5
	28–30 µm	8–11 μm			9
	25.4 (28.4) 30.5 μm	$>4 \ \mu m$ , weakly or sharply bent			11
Sequoia + Sequoiadendron	28.5–41 μm	sharply bent			3
Taxoidioideae					
Cryptomeria japonica	30–35 µm				1
	23.9–31.9 μm	top bent			3
	23.9–31.9 μm	straight or weakly bent	30–34 µm		4, 7
	24–32 μm	straight or top bent			5
	22 (28) 30 µm	<5.5 µm, straight or top bent			6
	28–32 μm	5.5–6.5 μm			9
	23.9–39 μm	3-4 µm, straight or weakly bent			11
	26.3 (27.3) 33.8	<10 µm		<5 µm	12
	26.3 (27.3) 33.8	2.5 (3.9) 6.3 μm	28.8 (33.3) 37.5 µm	3–4 µm	14, 15
	22–30 µm	<6 µm	33–37 μm	3–4 µm	16
	(24.9) µm		(16.5) µm		17
	25–35 μm			2–3 µm	18
	34.9–41.8 μm	2.3–5.6 $\mu$ m, straight or weakly bent	35.1–41.6 µm		20
Glyptostrobus pensilis	29.6–30.8 μm	sharply bent			3
(=G. heterophyllos)	29–31 μm	straight or top bent			5
	(30) µm	<2.75 μm			6
	27 µm		33 µm		7
	29–31 μm	2–2.5 μm			9
	25.4 (30.8) 31.8 μm	$23 \ \mu\text{m}$ , weakly or sharply bent			11
Taxodium	22–32 μm				6
	28–36 μm				8
	22.9 (25.6) 27.9 μm	$<3 \mu m$ , sharply bent			11
Taxodium distichium	30–37 µm				2
	27.4–31.4 μm	straight			3
	24–27 μm	straight			4, 7
	27–32 μm	small papilla			5
	22–28 µm	1.5–2 μm			9
	23–28 µm			3–4 µm	16
	17.5–28.6 μm	$2-3 \ \mu m$ , sharply bent	19.5–28.6 μm		19
Taxodium mucronatum	(27) µm	<2 µm			6
	(25) µm				7
	33–35 μm			3–4 µm	16
	10.4–44.2 μm	sharply bent	15–28.6 μm		19

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