

Table S1. Comparison of wood anatomical characters of *Keteleerioxylon changchunense* sp. nov. and closely related fossil species (?, no data)

Anatomical characters	Pits on radial walls of tracheids	Diameter of pits (µm)	Pits on tangential walls of tracheids	Crassula	Height of rays (in cells)	Number of biseriate layer	Marginal ray cells of the ray tracheid type	Transverse walls of axial parenchyma	Number of epithelial cells in vertical resin canals	Number of pits in the cross-field	Diameter of cross-field pits (µm)	Type of pitting
<i>Keteleerioxylon changchunense</i> sp. nov.	Uniseriate to triseriate	(11)12–17(20)	absent	Present	(1)6–11(37)	1–8	Present	Smooth	6–11	1–3(6)	5–10	Taxodioid and cupressoid
<i>Keteleerioxylon arcticum</i> Shilkina [7]	Uniseriate and biseriate	?	uncommon	Present	1–24	Uncommon (rarely triseriate)	Absent	Smooth	?	1–3(4)	?	Taxodioid
<i>Keteleerioxylon fokinii</i> Shilkina [34]	Uniseriate and biseriate	?	Absent	Absent	1–30	Uncommon	?	Smooth	?	1–2(3)	?	Cupressoid
<i>Keteleerioxylon primoryense</i> Blokh. [35]	Uniseriate and biseriate	12–18	uncommon	Present	1–40	1–4 (10)	Present	Smooth	(5)6–8(10)	1–3(5)	6–7.5	Taxodioid
<i>Keteleerioxylon kamtschatkiense</i> Blokh. et Afonin [11]	Uniseriate and biseriate	(12)18–24(27)	Present	Absent	1–30 (46)	1–3	Present	Smooth	6–10	1–3(5)	5	Taxodioid and cupressoid
<i>Keteleeria mabetiensis</i> Watari [37, 38]	Uniseriate to triseriate	?	Present	Present	1–36	1–4	Present	Knotty	?	1–4(5)	?	Taxodioid and piceoid
<i>Keteleeria zhilinii</i> Blokh. et Bondarenko [10]	Uniseriate and biseriate	(10)12–18(24)	Present	Uncommon	1–25	1–3(4)	Present	2–3 knots	(5)6–7(8)	1–4(5)	6–9	Taxodioid
<i>“Keteleeria fortunei”</i> (Andr. Murray) Carr. [39]	Uniseriate and biseriate	15–19	?	?	(2)10–30(40)	Uncommon	?	Axial parenchyma absent	4–6	1–4	?	Taxodioid
<i>Keteleeria</i> sp. 1 [40]	Uniseriate and biseriate	17–22	?	Present	(1)7–12(24)	Uncommon	?	Knotty	5–8	1–4(commonly 2)	?	Taxodioid
<i>Keteleeria</i> sp. 2 [12]	Uniseriate and biseriate	12–22	?	Present	1–18	?	?	Knotty	3–14	1–2(4)	5–9	Taxodioid and cupressoid