

Table S3. Tuotuohe Fossils

<i>Fossil Type</i>	<i>Fossil</i>	<i>First appearance (Ma)</i>	<i>Last appearance (Ma)</i>	<i>Citations</i>
Ostracod	Candoniella albicans	65	2.6	19; 29
	Darwinula	164.7	0.0	7; 31
	Cypris decaryi	55.8	0.0	16
Charophyte	Pekichara serialis	83.5	55.8	33
Sporopollen	Pteris neocretica	8.7	1.8	25
	Sparganiaceapollenites neogenicus	100	1.8	25
	Tricolpites	230	0	25
	Salixipollenites	141	1.2	25
	Quercus monimotricha	8.7	1.8	25
	Chenopodipollis	111	0	25
	Deltoidospora regularis	223	3.9	25
	Osmundacidites	404	0	25
	Polypodiisporites	289	0	25
	Pterisisporites undulatus	230	1.8	25
	Toroisporis planivercosus	145	2.6	9; 25; 37
	Undulatisporites	369	0	25
	Abietinaepollenites cembraeformis	111	0.01	25
	Cedripites	345	1.8	25
	Cedripites diverus	111	2.86	25
	Classopollis	280	0	25
	Classopollis annulatus	230	1.8	25
	Ephedripites	345	0	25
	Ephedripites (Distachyaptes) eocenipites	150	1.8	25
	Ephedripites (Distachyaptes) fusiformis	141	1.8	25
	Piceapollenites	345.0	0.0	25
	Piceapollenites alatus	223	0.01	25
	Pinuspollenites	325	0	25
	Pinuspollenites insignis	230	1.8	25
	Pinuspollenites labdacus f. maximus	230	0.01	25
	Podocarpidites	280	0	25
	Podocarpidites andiniformis	230	1.8	25
	Tsugaepollenites igniculus major	141	0	25
	Alnipollenites	141	0	25
	Alnipollenites verus	141	0	25
	Betulaepollenites	345	0	25
	Caryapollenites juxtaporites	65	22.5	25
	Caryapollenites simplex	195	0	25
	Celtispollenites triporatus	100	11.5	25
	Cupuliferoipollenites	141	0.01	25
	Cupuliferoipollenites fusus	141	1.8	25
	Cupuliferoipollenites pusillus	141	0.01	25
	Elaeagnacites	100	1.8	25
	Euphorbiacites reticulates	195	1.8	25
	Jianghanpollis	90.3	37.5	25
Juglanspollenites verus	40.4	5.3	11; 17; 23	
Labitricolpites microgranulatus	65	1.8	25	
Labitricolpites minor	65	16.5	25	

Table S3. Tuotuohe Fossils continued

<i>Fossil Type</i>	<i>Fossil</i>	<i>First appearance (Ma)</i>	<i>Last appearance (Ma)</i>	<i>Citations</i>
Sporopollen	Labitricolpites scabiosus	65	1.8	25
	Meliaceoidites microreticulatus	58	3.9	25
	Meliaceoidites ovatus	54.5	1.8	25
	Meliaceoidites rhomboiporus	141	1.8	25
	Meliaceoidites rotundus	65	3.9	25
	Meliaceoidites	65	0	25
	Momipites	183	0	25
	Ostryoipollenites	141	0.9	25
	Pentapollenites	141	1.8	25
	Pokrovskaja	65	22.5	25
	Pokrovskaja maximus	54.5	32.5	25
	Pokrovskaja minor	54.5	5	25
	Pokrovskaja pachypolarus	54.5	32.5	25
	Quercoidites	345	0	25
	Quercoidites asper	141	0.01	25
	Quercoidites henrici	195	0.01	25
	Quercoidites microhenrici	195	0.01	25
	Quercoidites minatus	115	1.8	25
	Rhoipites	141	0	25
	Rhoipites rhomboius	141	1.8	25
	Rutaceipollis	117	0	25
	Sapindaceidites	90.3	1.8	25
	Scabiosapollis	100	5	25
	Sporopollis	141	1.8	25
	Tricolpopollenites	195	0.01	25
	Tricolporopollenites	230	0.01	25
	Tubulifloridites xanthiformis	100	1.8	25
	Ulmipollenites	141	0	25
	Ulmipollenites minor	141	1.8	25
	Ulmipollenites undulosus	141	0.01	25
	Ulmoideipites krempii	141	1.8	25