

Table S1. The collecting information of *Acer* leaf materials

Species	Section	Collection sites
<i>Acer yangjuechi</i>	<i>Platanoidea</i>	Tianmu Mountain
<i>Acer mono</i>	<i>Platanoidea</i>	Tianmu Mountain
<i>Acer catalpifolium</i>	<i>Platanoidea</i>	Emei Mountain
<i>Acer longipes</i>	<i>Platanoidea</i>	Duheyuan nature reserve
<i>Acer amplum</i>	<i>Platanoidea</i>	Qingxiu Mountain

Table S2. 13 *Acer* species sampled of phylogenetic tree in this study.

Species	Accession no.
<i>Dipteronia sinensis</i>	NC031899
<i>Dipteronia dyeriana</i>	KT878501
<i>Acer amplum</i>	NC034932
<i>Acer buergerianum</i>	NC34744
<i>Acer catalpifolium</i>	MF179637
<i>Acer davidii</i>	KU977442
<i>Acer griseum</i>	KY511609
<i>Acer longipes</i>	MG751775
<i>Acer truncatum</i>	MH716034
<i>Acer miaotaiense</i>	KX 098452
<i>Acer morrisonense</i>	KT970611
<i>Acer mono</i>	MG751776
<i>Acer yangjuechi</i>	MG770234