

Table S1. The information of 20 *Sorbus* species used in this study.

Species	Accession Number	Geographical origin	Voucher number
<i>Sorbus amabilis</i>	OP613262	Anhui	Tangxs0324
<i>S. discolor</i>	OP613260	Shandong	Lilan702
<i>S. filipes</i>	OP613264	Yunnan	YMT3800-1-2003
<i>S. hupehensis</i> var. <i>hupehensis</i>	OP613258	Sichuan	Gaoxf-0945
<i>S. multijuga</i>	OP613261	Sichuan	LuoP202
<i>S. pohuashanensis</i>	OP613257	Liaoning	Caow5157
<i>S. reducta</i>	OP613259	Sichuan	Lij307
<i>S. wilsoniana</i>	OP613263	Sichuan	YangQE3462
<i>S. prattii</i>	MK814479	Asia	
<i>S. setschwanensis</i>	MK914535	Asia	
<i>S. commixta</i>	MK920288	Asia	
<i>S. tianschanica</i>	MK920289	Asia	
<i>S. aucuparia</i>	MT610101	Europe	
<i>S. insignis</i>	MT677871	Asia	
<i>S. munda</i>	MT683851	Asia	
<i>S. hupehensis</i> var. <i>paucijuga</i>	MT916771	Asia	
<i>S. koehneana</i>	MW429483	Asia	
<i>S. americana</i>	MZ984219	North America	
<i>S. pteridophylla</i>	MZ984223	Asia	
<i>S. rehderiana</i>	OK012001	Asia	