

Table S2 Distribution and altitudinal ranges of *Rosa* sections in China.

Section	Main distribution areas	Altitude range
Sect. <i>Pimpinellifoliae</i>	Southwest and northwest China	> 1000 m, primarily concentrated 1,500–3,000 m
Sect. <i>Rosa</i> (Sect. <i>Cinnamomeae</i>)	Northwest, North, Southwest, Central and East China	0–3,000 m
Sect. <i>Microphyllae</i>	From Southwest to South China	500–2,500 m
Sect. <i>Bracteatae</i>	From East and Central China to Southwest and South China	< 300 m
Sect. <i>Laevigatae</i>	From East China and Central China to Southwest and South China	< 1,500 m
Sect. <i>Banksianae</i>	From East and Central China to Southwest and South China	500–2,500 m
Sect. <i>Synstylae</i>	Throughout China (with a higher concentration in the Southwest)	Mid-low to Mid-high altitudes
Sect. <i>Chinenses</i>	Southwestern China (with a higher concentration in Sichuan, Yunnan regions)	500–2,500 m