

Supplementary Table S10 Estimation of genome size of five *Engelhardia* species based on 43 K-mer.

Statistics	<i>E. spicata</i> var. <i>spicata</i>	<i>E. spicata</i> var. <i>colebrookeana</i>	<i>E. spicata</i> var. <i>aceriflora</i>	<i>E. roxburghiana</i>	<i>E. fenzelii</i>
K-mer	43	43	43	43	43
K-mer number	44,696,143,164	41,153,715,686	35,823,304,373	36,915,472,050	34,483,016,228
Clean Data(Gb)	138.14	134.55	117.67	166.16	118.71
Genome size (bp)*	730,675,733	724,537,248	734,084,106	858,499,350	1,130,590,696
K-mer coverage	58	56.8	48.8	60.7	30.5
Repeat Rate(%)	15.2	13.8	15.4	18.5	58.3
Heterozygous Ratio	1.03	1.05	1.02	1.28	0.47
model fit R ² (%)	95.78	95.86	96.81	95.08	97.28
residual error (%)	0.16	0.20	0.16	0.19	0.37