

**Supplementary Table S7** K-mer Analysis Data Statistics of *E. spicata* var. *colebrookeana*

| K  | K-mer Number | Heterozygous Ratio (%) | Repeat Rate(%) | Genome Size |
|----|--------------|------------------------|----------------|-------------|
| 19 | 661,274,751  | 1.27                   | 54.10          | 661,274,769 |
| 23 | 683,137,616  | 1.23                   | 27.40          | 683,137,638 |
| 27 | 702,185,179  | 1.22                   | 22.90          | 702,185,205 |
| 31 | 714,541,738  | 1.19                   | 21.70          | 714,541,768 |
| 35 | 724,578,095  | 1.11                   | 17.20          | 724,578,129 |
| 39 | 728,779,142  | 1.06                   | 15.90          | 728,779,180 |
| 43 | 734,084,064  | 1.02                   | 15.40          | 734,084,106 |