

Table S2. Comparison of major *L. edodes* genetic linkage maps.

| Reference | Mapping population size | Map size (cM) | No. of linkage groups | No. of markers | Average marker spacing (cM)* | No. of sequence-based markers |
|-------------------|--------------------------------|----------------------|------------------------------|-----------------------|-------------------------------------|--------------------------------------|
| [8] | 32 | 622.4 | 14 | 69 | 11.3 | 2 |
| [11] | 95 | 1956.7 | 11 | 206 | 10.0 | 0 |
| [12] | 95 | 1398.4 | 11 | 166 | 9.0 | 10 |
| [9] | 92 | 908.8 | 11 | 289 | 3.3 | 23 |
| [10] | 92 | 908.8 | 11 | 301 | 3.1 | 35 |
| This study | 20 | 637.1 | 13 | 200 | 3.4 | 200 |

* Calculated by dividing the size of map by the number of markers minus the number of linkage groups.