**Table S1. List of plant species used in this study and their genome sizes.**

|  |  |  |  |
| --- | --- | --- | --- |
| Sample name | Scientific name | Genome size\* (Mbp) | Plant type |
| Holy basil | *Ocimum sanctum* | 352 | Dicotyledon |
| Rice | *Oryza sativa* | 490 | Monocotyledon |
| Eggplant | *Solanum melongena* | 980 | Dicotyledon |
| Oil palm | Elaeis guineensis | 2,116 | Monocotyledon |
| Chili pepper | *Capsicum annuum* | 3,096 | Dicotyledon |
| Onion | *Allium cepa* | 14,082 | Monocotyledon |

\* genome size of DNA in a haploid genome from Leitch et al. (2019)