Supplementary Material

Multiple lines of evidence for independent origin of wild and cultivated flowering cherry (*Prunus yedoensis*)

Myong-Suk Cho and Seung-Chul Kim\*

**\* Correspondence**: Seung-Chul Kim: sonchus96@skku.edu

# Supplementary Figure and Tables

## 1.2 Supplementary Tables

**Supplementary Table S4**. Additive polymorphic sites (APS) from the concatenated ITS and ETS sequences among wild and cultivated *P. yedoensis* and their putative parental lineages. A total of 156 out of 194 individuals were used in the analyses, excluding outgroup species and *P. takesimensis* from Ulleung Island. Nucleotides that were less frequent or rare among individuals are indicated by asterisks (\*).

|  |  |  |  |
| --- | --- | --- | --- |
| *Prunus* Species | Sample numbers  | Informative ITS nucleotide site | Informative ETSnucleotide site |
| 41 | 44 | 63 | 96 | 164 | 185 | 191 | 438 | 567 | 573 | 687 | 759 | 913 |
| *P. spachiana* f. *ascendens* Jeju | 25 pcs | C | A | T/Y\* | G | T | T/Y\* | C | G/K\* | A | A | C/Y\* | A/R\* | A/R\* |
| *P. spachiana* f. *ascendens* Japan | 12 | C | A | T | G | T | T | C | G | A | A | C | A | A |
| **Wild *P. yedoensis*, Jeju**  | **17** | **M** | **M/C\*** | **Y/C\*** | **R/G\*/A\*** | **Y** | **Y** | **C/M\*** | **K** | **R/A\*** | **M/A\*** | **Y/T\*** | **R/G\*** | **R/G\*** |
| **Cultivated *P.* ×*yedoensis*, Japan**  | **12** | **M/C\*** | **M** | **Y** | **R/G\*** | **Y** | **Y** | **M** | **K** | **R** | **M** | **Y** | **R** | **R** |
| *P. sargentii* Jeju | 9 | A | C | C | A/R\* | C | C | M/A\*/C\* | T | G | C | T | G | G |
| *P. sargentii* Korean Penunsula | 14 | A | C | C | R/A\* | C | C | M/A\* | T | G | C | T | G | G |
| *P. sargentii* Russia | 5 | A | C | C | R/A\* | C | C | M/C\* | T | G | C | T | G | G |
| *P. sargentii* Japan | 8 | A | C | C | A/R\* | C | C | M/A\* | T | G | C | T | G | G |
| *P. serrulata* var*.spontanea* Jeju | 5 | A/M\* | C | C | R/A\* | C | C | A/M/C\* | T | G | C | T | G | G |
| *P. serrulata* var*.spontanea* Japan | 5 | A | C | C | R/A\* | C | C | M | T | G | C | T | G | G |
| *P. serrulata* var. *quelpaertensis* Jeju | 6 | A/C\* | C | C | R | C/Y\* | C/Y\* | M/C\* | T/K\* | G/R\* | C | T/Y\* | G/R\* | G |
| *P. serrulata* var. *pubescens* Korean Peninsula  | 3 | A | C | C | R/A\* | C | C | C | T | G | C | T | G | G |
| *P. serrulata* var. *pubescens* Japan | 1 | A | C | C | A | C | C | M | T | G | C | T | G | G |
| *P. yedoensis* var. *angustipetala* Jeju | 1 | A | C | C | G | C | C | M | T | G | C | T | G | G |
| *P. longistylus* Jeju | 1 | M | C | C | G | C | C | M | T | G | C | T | G | G |
| *P. hallasanensis* Jeju | 2 | A | C | C | A | C | C | A | T | G | C | T | G | G |
| *P. speciosa* Jeju | 3 | A | C | C | A/R\* | C | C | A | T | G | C | T | G | G |
| *P. speciosa* Japan | 20 | A | C | C | R/G\* | C | C | A | T | G | C | T | G | G |
| *P. maximowiczii* Jeju | 3 | A | C | C | G | C | C | C | T | G | C | T | G | G |
| *P. apetala* Japan | 2 | A | C | C | R | C | C | M | T | G | C | T | G | G |
| *P. avium* Japan | 1 | A | C | C | A | C | C | C | T | G | C | T | G | G |
| *P. incisa* Japan | 1 | A | C | C | A | C | C | A | T | G | C | T | G | G |

