Supplementary Material

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

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# Supplementary Figure and Tables

## 1.2 Supplementary Tables

**Supplementary Table S5**. Single nucleotide polymorphisms (SNPs) in four RosCOS data set showing additive polymorphisms (APS) in the sequences of wild *P. yedoensis*, cultivated *P.* × *yedoensis*, and their parental lineages. Different paternal contributions between wild and cultivated *P. yedoensis* lineages are reflected in species-specific sites marked in bold type.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Lineage | RosCOS marker | 517 | | | | | | | | | | 1167 | |
| Site No. | 80 | 133 | 144 | 188 | 229 | 244 | 248 | 278 | 295 | 308 | 449 | 467 |
| Korean lineage | *P. spachiana*  f. *ascendens* Jeju Island 5 samples | C | T | T | T | G | T | A | G | T | A | C | A |
| **wild *P. yedoensis* Jeju Island11 samples** | **C** | **T** | **T** | **K** | **R/G\*** | **T/Y\*** | **A/R\*** | **R** | **T/W\*** | **A** | **M** | **R** |
| *P. serrulata* var. *quelpaertensis*  Jeju Island 8 samples | C/Y\* | T/W\* | T/W\* | G/K\* | R/A\*/G\* | T/Y\* | A/R\* | A/R\* | T/W\* | A/R\* | M/A/C\* | G/R\* |
| *P. sargentii* Jeju11 samples | C | T/W\* | T/W\* | G | R/A\*/G\* | T/Y\* | A/R\* | A | T/W\*/A\* | A | A/M\* | G |
| *P. serrulata* v. *spontaneae*  Jeju Island 6 samples | C/Y\* | T/W\* | T/W\* | G/K\*R\* | A/G\*/R\* | Y/T\* | A/R\* | A/R\* | W/T\* | A/R\* | A/M/C\* | G/A\*/R\* |
| *P. serrulata* v. *pubescens* 1 sample | C | T | T | G | G | C | G | A | A | A | M | G |
| *P. takesimensis*  Ulleung Island1 sample | C | T | T | G | R | T | A | A | T | A | M | R |
| Japanese lineage | *P. spachiana* f. *ascendens*  6 samples | C | T/W\* | T/W\* | T/K\* | G | T/Y\* | A | G/R\* | T/W\* | A/R\* | C | A |
| **cultivated *P. xyedoensis* 5 samples** | **Y** | **W** | **W** | **K** | **G** | **Y** | **A** | **R** | **W** | **R** | **C/M\*** | **A/R\*** |
| **wild *P. yedoensis* 833\_1**  **(Kwaneum temple, Jeju Island)** | **Y** | **W** | **W** | **K** | **G** | **Y** | **A** | **R** | **W** | **R** | **C** | **A** |
| **wild *P. yedoensis* 408003**  **(Kwaneum temple, Jeju Island)** | **Y** | **W** | **W** | **K** | **G** | **Y** | **A** | **R** | **W** | **R** | **C** | **A** |
| *P. speciosa* 31 samples | T/Y/C\* | W/A/T\* | A/W\*/T\* | G | G/R\* | C/Y/T\* | A | A | A/W/T\* | G/R/A\* | C/M\*/A\* | A/R\*/G\* |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Lineage | RosCOS marker | 517 | | | | | | | | | | 1167 | |
| Site No. | 80 | 133 | 144 | 188 | 229 | 244 | 248 | 278 | 295 | 308 | 449 | 467 |
| Korean lineage | *P. spachiana*  f. *ascendens* Jeju Island 5 samples | C | T | T | T | G | T | A | G | T | A | C | A |
| **wild *P. yedoensis* Jeju Island11 samples** | **C** | **T** | **T** | **K** | **R/G\*** | **T/Y\*** | **A/R\*** | **R** | **T/W\*** | **A** | **M** | **R** |
| *P. serrulata* var. *quelpaertensis*  Jeju Island 8 samples | C/Y\* | T/W\* | T/W\* | G/K\* | R/A\*/G\* | T/Y\* | A/R\* | A/R\* | T/W\* | A/R\* | M/A/C\* | G/R\* |
| *P. sargentii* Jeju11 samples | C | T/W\* | T/W\* | G | R/A\*/G\* | T/Y\* | A/R\* | A | T/W\*/A\* | A | A/M\* | G |
| *P. serrulata* v. *spontaneae*  Jeju Island 6 samples | C/Y\* | T/W\* | T/W\* | G/K\*R\* | A/G\*/R\* | Y/T\* | A/R\* | A/R\* | W/T\* | A/R\* | A/M/C\* | G/A\*/R\* |
| *P. serrulata* v. *pubescens* 1 sample | C | T | T | G | G | C | G | A | A | A | M | G |
| *P. takesimensis* Ulleung Island1 sample | C | T | T | G | R | T | A | A | T | A | M | R |
| Japanese lineage | *P. spachiana* f. *ascendens*  6 samples | C | T/W\* | T/W\* | T/K\* | G | T/Y\* | A | G/R\* | T/W\* | A/R\* | C | A |
| **cultivated *P. xyedoensis* 5 samples** | **Y** | **W** | **W** | **K** | **G** | **Y** | **A** | **R** | **W** | **R** | **C/M\*** | **A/R\*** |
| **wild *P. yedoensis* 833\_1**  **(Kwaneum temple, Jeju Island)** | **Y** | **W** | **W** | **K** | **G** | **Y** | **A** | **R** | **W** | **R** | **C** | **A** |
| **wild *P. yedoensis* 408003**  **(Kwaneum temple, Jeju Island)** | **Y** | **W** | **W** | **K** | **G** | **Y** | **A** | **R** | **W** | **R** | **C** | **A** |
| *P. speciosa* 31 samples | T/Y/C\* | W/A/T\* | A/W\*/T\* | G | G/R\* | C/Y/T\* | A | A | A/W/T\* | G/R/A\* | C/M\*/A\* | A/R\*/G\* |

