

Kikuchi S, Setsuko S, Nagamitsu T & Suzuki W. Molecular phylogenetic analyses identify the process of speciation of endemic willow species in the Japanese Archipelago. Journal of Plant Research. Corresponding author: Kikuchi S, Forestry and Forest Products Institute, kikurato@affrc.go.jp

|                          | Position (bps) | 150 | 238 | 247 | 255 | 281 | 294 | 300 | 354 | 362 | 367 | 369 | 385 | 390 | 393 | 397 | 420 |
|--------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| S. udensis D             |                | T   | T   | G   | C   | C   | C   | A   | T   | A   | G   | G   | T   | C   | T   | T   | T   |
| S. udensis J             |                | C   | T   | G   | C   | C   | Y   | A   | T   | A   | G   | A   | W   | C   | T   | T   | G   |
| S. udensis K             |                | C   | T   | G   | C   | C   | C   | A   | T   | A   | G   | A   | T   | C   | T   | T   | G   |
| S. udensis L             |                | Y   | T   | G   | C   | C   | C   | R   | T   | A   | G   | R   | T   | C   | T   | T   | K   |
| S. udensis M             |                | C   | T   | G   | C   | C   | C   | G   | T   | A   | -   | A   | T   | C   | T   | T   | G   |
| S. schwerinii B          |                | T   | T   | G   | C   | C   | C   | A   | T   | A   | G   | G   | T   | C   | T   | T   | T   |
| S. schwerinii C          |                | T   | T   | G   | C   | C   | C   | A   | T   | A   | G   | G   | T   | C   | T   | T   | T   |
| S. schwerinii D          |                | C   | T   | G   | C   | C   | C   | A   | T   | A   | G   | R   | T   | C   | T   | T   | K   |
| S. integra A             |                | C   | A   | -   | T   | C   | C   | A   | T   | R   | G   | A   | T   | T   | A   | C   | G   |
| S. purpurea              |                | C   | T   | -   | T   | C   | C   | A   | T   | A   | G   | A   | T   | T   | A   | C   | G   |
| S. miyabeana gilgiana B  |                | C   | T   | -   | T   | M   | C   | A   | Y   | A   | G   | A   | T   | T   | A   | C   | G   |
| S. miyabeana miyabeana A |                | T   | T   | G   | C   | C   | C   | A   | T   | A   | G   | G   | T   | C   | T   | T   | T   |
| S. miyabeana miyabeana B |                | C   | T   | -   | W   | C   | C   | A   | Y   | A   | G   | A   | T   | Y   | W   | Y   | G   |

**Online Resource 3:** Aligned partial sequences of PGI gene for the samples of sect. *Viminella* and sect. *Helix*. Only the polymorphic sites are shown. A sequence from *S. miyabeana* subsp. *miyabeana* (“*S. miyabeana miyabeana* B”, GenBank accession number LC58376) showed a mixed-base sequence (yellow-shaded) which provided an evidence of intersectional hybridization in between sect. *Helix* and sect. *Viminella*. Sequences were not successful assembled for this individual and therefore excluded from phylogenetic reconstructions in this study.