

Species Datasheet

Datasheet No. A-061.077.001
(family.genus.species)

DBT-1

1.Taxon:

Species: *Pogonia japonica* Rchb.f.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:** *Pogonia japonica* f. *lineariperiantha* Satomi & T.Ohsawa, *Pogonia kungii* Tang & F.T.Wang, *Pogonia ophioglossoides* var. *japonica* (Rchb.f.) Finet, *Pogonia parvula* Schltr., *Pogonia similis* Blume

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Vanilloideae
- Tribe: Pogonieae
- Genus: *Pogonia* Juss.
- Species: *Pogonia japonica* Rchb.f.

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Neottieae

Subtribus: Arethuseae

Genus: *Pogonia* Juss.

Species: *Pogonia japonica* Rchb.f.

4.Distribution:

Global: India, China, Japan, Korea

India: Arunachal Pradesh

5. **Indigenous/Exotic/Endemic; Cultivated/Wild:** Exotic

6.Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Rhizomatous terrestrial herb

8. **Life Form:** Cryptophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C-value Methodology

12. **Basic chromosome number(s):** x=

13. Zygotic chromosome number(s): $2n=$

14. Gametic chromosome number(s): $n=$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level:

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):