

Species Datasheet

Datasheet No. A-061.042.001
(family.genus.species)

DBT-1

1. Taxon:

Species: *Cremastra appendiculata* (D. Don) Makino

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Aplectrum appendiculatum* \(D. Don\) Maek.](#)

[*Cremastra appendiculata* \(D. Don\) Schltr.](#)

[*Cremastra appendiculata* f. *albiflora* B. Kill & Y. N. Lee](#)

[*Cremastra appendiculata* var. *appendiculata*](#)

[*Cremastra appendiculata* var. *triloba* \(Hayata\) S. S. Ying](#)

[*Cremastrabifolia* C. L. Tso](#)

[*Cremastratriloba* Hayata](#)

[*Cremastrawallichiana* Lindl.](#) [Illegitimate]

[*Cymbidium appendiculatum* D. Don](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Epidendreae
- Subtribe: Calypsoinae
- Genus: *Cremastra* Lindl.
- Species: *Cremastra appendiculata* (D. Don) Makino

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandaeae
Subtribus: Cymbidieae
Genus: *Cremastra* Lindl.
Species *Cremastra appendiculata* (D. Don) Makino:

4. Distribution:

Global: Far eastern Russia, Japan Korea, China, Taiwan, eastern Himalayas, Assam India, Nepal, Bhutan, Thailand and Vietnam in dense forests in shade at elevations of 1330 to 2300 m

India: Eastern Himalayas, Assam

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Mediums sized cool to cold growing, Terrestrial.

8.Life Form: Cryptophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=24^1, 25^3, 26^2$

13. Zygotic chromosome number(s): $2n=48^1, 50^3, 52^2$

14. Gametic chromosome number(s): $n=26^2$

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

Image file

16.Ploidylevel:Diploid^{1, 2, 3}

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:¹

Karyotype Median¹

Chromosome size Small¹

NOR chromosome(s)

Degree of asymmetrySymmetrical¹

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 meiosis26II²

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;Translocationsetc.):