

Species Datasheet

Datasheet No. A-061.031.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Chiloschistalunifera* (Rchb.f.) J.J.Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Chiloschistaindica* J.J.Sm.](#)

[*Chiloschistajavanica* Schltr.](#)

[*Chiloschistalunifera* \(Rchb. f.\) Schltr.](#)

[*Sarcochilusunifer* \(Rchb. f.\) Benth. ex Hook. f.](#)

[*Sarcochilusuniferus* \(Rchb.f.\) Benth. ex Hook.f.](#)

[*Thrixspermumluniferum* Rchb.f.](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Chiloschista* Lindl.
- Species: *Chiloschistalunifera* (Rchb.f.) J.J.Sm.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandeae
Genus: *Sarcochilus* R.Br.
Species: *Sarcochilusunifer* (Rchb.f.) Benth. ex Hook.f.

4. Distribution:

Global: India, Myanmar, Thailand and Laos at elevations of 150 to 600 m

India: Meghalaya, Mizoram, Karnataka, Assam

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Hot to warm growing epiphyte; 700m

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{1, 2, 3}$

13. Zygotic chromosome number(s): $2n=38^{1, 2, 3}$

14. Gametic chromosome number(s): $n=19^2$

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

Image file

16.Ploidy level: 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:

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 19II^2

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.):