

Species Datasheet

Datasheet No. A-061.037.004
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Conchidium muscicola* (Lindl.) Rauschert

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Callistaparviflora (D.Don) Kuntze

Dendrobiummulticaule Teijsm. & Binn. [Spelling variant]

Dendrobiummuscicola Lindl.

Dendrobiumparviflorum D.Don

Eriamuscicola (Lindl.) Lindl.

Eriamuscicola var. *oblonga* Trimen

Pinaliamuscicola (Lindl.) Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Podochileae
- Genus: *Conchidium* Griff.
- Species: *Conchidium muscicola* (Lindl.) Rauschert

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Genus: *Conchidium* Griff.
Species: *Conchidium muscicola* (Lindl.) Rauschert

4. Distribution:

Global: Himalayas, Assam, eastern Himalayas, India, Nepal, Sri Lanka, Thailand, Myanmar, Laos and Vietnam, 1000-3000m

India: Eastern Himalayas 1000-1500m

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as an epiphyte in forest fringes in rather exposed situations at about 1300m in high rain fall areas

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=18^3, 4, 5, 6, 8, 9$

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

14. Gametic chromosome number(s): $n=18^3, 4, 5, 6, 8, 9$

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

Image file

16.Ploidy level:Diploid $^3, 4, 5, 6, 8, 9$

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 18II^{4, 5, 6}

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.):