

Species Datasheet

Datasheet No. A-061.048.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dendrobium anceps* Sw.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aporumanceps (Sw.) Lindl.

Callistaanceps (Sw.) Kuntze

Ditulimaanceps (Sw.) Raf.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link.
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Malaxidinae
- Subtribe: Dendrobiinae
- Genus: *Dendrobium* Sw.
- Species: *Dendrobium anceps* Sw.

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Dendrobieae
Genus: *Dendrobium* Sw.
Species: *Dendrobium anceps* Sw.

4. Distribution:

Global: Bangladesh, Himalayas, Nepal, Bhutan, Andaman Islands, Myanmar, Thailand, Laos, Cambodia, Nicobar Islands, Vietnam

India: Assam, Manipur, Meghalaya, Mizoram, Nagaland, Arunachal Pradesh, Sikkim, West Bengal, Andaman and Nicobar Islands.

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Tree top epiphyte with compressed stems

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{39, 46, 47, 55, 56}$

13. Zygotic chromosome number(s): $2n=38^{46, 47, 56}$, $38+0-2B^{39}$, $38+0-6B^{55}$

14. Gametic chromosome number(s): $n=19+0-6B^{39, 47}$

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

Image file

16.Ploidy level:Diploid^{39, 46, 47, 55, 56}

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:^{46, 47}

KaryotypeMedian, submedian^{46, 47}

Chromosome size Small^{46, 47}

NOR chromosome(s)

Degree of asymmetrySymmetrical^{46, 47}

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, B's pair at M-I follow irregular segregation^{46, 47}

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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