Species Datasheet

Datasheet No. A-061.048.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Dendrobium aduncum* Lindl.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Callistaadunca (Lindl.) Kuntze
Dendrobiumaduncum var. *faulhaberianum* (Schltr.) Tang &F.T.Wang
*Dendrobiumfaulhaberianum*Schltr.
*Dendrobiumoxyanthum*Gagnep.

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 aduncum* Lindl.

Bentham and Hooker(1862)
Kingdom: Plantae
Division: Phanerogamia
Class:Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Dendrobieae
Genus: *Dendrobium* Sw.
Species: *Dendrobium aduncum* Lindl.

4.Distribution:

Global: Bangladesh, India, China South-Central, China Southeast, East Himalaya, Hainan, Laos, Myanmar, Thailand, Vietnam

India: Assam, Manipur, Meghalaya, Mizoram, Nagaland, Arunachal Pradesh, Sikkim, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Common Epiphyte in tropical valleys

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA
C-value **Methodology**

12.Basic chromosome number(s):x=19[13, 14] , 20[46, 47, 56]

13. Zygotic chromosome number(s):2n=40[46, 47, 56] , 38[13, 14]

14. Gametic chromosome number(s):n=

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

16.Ploidy level: Diploid[13, 14, 46, 47, 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, two pairs subterminal[46, 47]

Chromosome size Small[46, 47]

NOR chromosome(s)

Degree of asymmetry Symmetrical[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

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.):