

Species Datasheet

Datasheet No. A-061.048.005
(family.genus.species)

DBT- Networ

1.Taxon:

Species: *Dendrobium amplum* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Bulbophyllum amplum* \(Lindl.\) Rchb.f.](#)
[*Callista amplum* \(Lindl.\) Kuntze](#)
[*Callista coelogyne* \(Rchb.f.\) Kuntze](#)
[*Dendrobium coelogyne* Rchb.f.](#)
[*Epigeneium amplum* \(Lindl.\) Summerh.](#)
[*Epigeneium annamense* \(Guillaumin\) Seidenf.](#)
[*Epigeneium coelogyne* \(Rchb.f.\) Summerh.](#)
[*Katherinea amplum* \(Lindl.\) A.D.Hawkes](#)
[*Katherinea coelogyne* \(Rchb.f.\) A.D.Hawkes](#)
[*Sarcopodium amplum* \(Lindl.\) Lindl.](#)
[*Sarcopodium annamense* Guillaumin](#)
[*Sarcopodium coelogyne* \(Rchb.f.\) Rolfe](#)

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 amplum* Lindl.

Bentham and Hooker(1862)

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

4.Distribution:

Global: China, India, Himalayas, Nepal, Bhutan, Myanmar, Thailand,, Vietnam

India: Assam, Sikkim

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphyte or lithophyte

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^3, 20^{13, 14, 30, 37, 38, 39, 45}$

13. Zygotic chromosome number(s): $2n=40^{13, 14, 30, 37, 38, 39, 45}, 38^3$

14. Gametic chromosome number(s): $n=20^{30, 37, 38, 39, 45}$

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

Image file

16.Ploidy level:Diploid^{3, 13, 14, 30, 37, 38, 39, 45}

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 2011^{38, 45}

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.):