

Species Datasheet

Datasheet No. A-061.035.007
(family.genus.species)

DBT-1

1. Taxon:

Species: *Coelogyne fimbriata* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Broughtonia linearis* Wall. ex Hook.f.](#)

[*Broughtonia linearis* Wall. ex Lindl.](#)

[*Coelogyne fimbriata* var. *acuminata* Regel](#)

[*Coelogyne fimbriata* var. *annamica* Finet ex Gagnep.](#)

[*Coelogyne fimbriata* var. *primulina* \(Barretto\) Roeth](#)

[*Coelogyne laotica* Gagnep.](#)

[*Coelogyne padangensis* J.J.Sm. & Schltr.](#)

[*Coelogyne pallens* Ridl.](#)

[*Coelogyne primulina* Barretto](#)

[*Coelogyne xerophyta* Hand.-Mazz.](#)

[*Pleione chinensis* Kuntze](#)

[*Pleione fimbriata* \(Lindl.\) Kuntze](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribus: Arethuseae
- Subtribus: Coelogyneae
- Genus: *Coelogyne* Lindl.
- Species: *Coelogyne fimbriata* Lindl.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Coelogyneae
Genus: *Coelogyne* Lindl.
Species: *Coelogyne fimbriata* Lindl.

4. Distribution:

Global: Nepal, Bhutan, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Jiangxi, Sichuan, Xizang and Yunnan provinces of China, Hong Kong, India, Myanmar, Thailand, peninsular Malaysia, Cambodia, Laos, Vietnam, sea level to 1500m

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

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as epiphyte in rather exposed conditions, 500-2500m.

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20^{7, 8, 10, 11, 18, 21, 26}$

13. Zygotic chromosome number(s): $2n=40+1f^{7, 8, 10, 11, 18}$

14. Gametic chromosome number(s): $n=20+1f^{18}, 20^{21, 26}$

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

Image file

16.Ploidy level:Diploid^{7, 8, 10, 11, 18, 21, 26}

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

Image file

27.Chromosome distribution at anaphase I:20:20 distribution at A-I, rarely a laggard bridge noticed^{21, 26}

28. Genetic diversity:

Chromosomal level

Image file

DNA level³⁸

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.): Inversion ^{21, 26}