

Species Datasheet

Datasheet No. A-061.035.025
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Coelogyne punctulata* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Coelogyne brevifolia* Lindl.](#)

[*Coelogyne goweri* Rchb.f.](#)

[*Coelogyne nitida* Hook.f. \[Illegitimate\]](#)

[*Coelogyne ocellata* Lindl.](#)

[*Coelogyne ochracea* subsp. *conferta* E.C.Parish & Rchb.f.](#)

[*Coelogyne punctata* var. *conferta* \(E.C.Parish & Rchb. f.\) T. Tang & F.T. Wang](#)

[*Coelogyne punctata* var. *hysterantha* Tang & F.T. Wang](#)

[*Coelogyne punctulata* f. *brevifolia* \(Lindl.\) S.Das & S.K.Jain](#)

[*Coelogyne punctulata* var. *conferta* \(E.C.Parish & Rchb.f.\) Tang & F.T.Wang](#)

[*Coelogyne punctulata* var. *hysterantha* Tang & F.T.Wang](#)

[*Cymbidium nitidum* Roxb. \[Illegitimate\]](#)

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

[*Pleione goweri* \(Rchb.f.\) 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 punctulata* Lindl.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Bangladesh, China South-Central, India, Myanmar, Nepal, Thailand, Tibet, Vietnam

India: 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:Cold growing epiphyte or lithophyte, 1500-2500m.

8.Life Form:Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{10, 11, 17}$

13. Zygotic chromosome number(s): $2n=38+0-2B^{10, 11, 17}$

14. Gametic chromosome number(s): $n=19+0-2B^{17}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes): $0-2B^{17}$

Image file

16.Ploidy level:Diploid^{10, 11, 17}

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 19II+1-2 B¹⁷

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;Translocationetc.):