

Species Datasheet

Datasheet No. A-061.035.017
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Coelogynenitida* (Wall. ex D. Don) Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Coelogyneconferta* auct.](#)

[*Coelogynenitida* f. *candida* Roeth](#)

[*Coelogyneochracea* Lindl.](#)

[*Cymbidiumnitidum* Wall. ex D. Don](#)

[*Pleionenitida* \(Lindl.\) Kuntze](#)

[*Pleioneochracea* \(Lindl.\) 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 nitida* (Wall. ex D. Don) Lindl.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Coelogyneae
Genus: *Coelogyne* Lindl.
Species: *Coelogyne nitida* (Wall. ex D. Don) Lindl.

4. Distribution:

Global: India, Himalayan, Nepal, Bhutan, Myanmar, Bangladesh, China Thailand

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

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as epiphyte in thick forests in the areas of high rainfall at 1300 m

8.Life Form:Phanerophyte

9.Economic Importance:Cultivated ornamental, medicinal, pseudobulb paste and juice applied in headache and fever and burns

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{21, 26, 30}, 20^{22, 25, 31, 37}$

13. Zygotic chromosome number(s): $2n=40^{22, 25, 31, 37}, 38^{21, 26, 30}$

14. Gametic chromosome number(s): $n=20^{22, 32}, 19^{21, 26}$

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

Image file

16.Ploidy level:Diploid^{21, 22, 25, 26, 30, 31, 37}

Image file

17.Agamētoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:^{21, 25, 30}

Karyotype Median, submedian^{21, 25, 30}

Chromosome size Small^{21, 25, 30}

NOR chromosome(s) 4²⁵

Degree of asymmetry Symmetrical^{21, 25, 30}

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+fragment^{21, 26}

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.):