

Species Datasheet

Datasheet No. A-061.035.024
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Coelogyneprolifera* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Coelogyneflavida Hook.f. ex Lindl.

Pleioneflavida (Hook.f. ex Lindl.) Kuntze

Pleioneprolifera (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 prolifera* Lindl.

Bentham and Hooker(1862)

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

4. Distribution:

Global: India, Nepal, Bhutan, Upper Myanmar, Yunnan China, Thailand and Vietnam, 900-2300m

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:Grows as epiphyte at about 1500 m on pine trees

8.Life Form:Phanerophyte

9.Economic Importance:Medicinal, pseudobulbs paste antipyretic, applied in burns.

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20$ ^{16, 17, 21, 22, 26,30, 31, 33}

13. Zygotic chromosome number(s): $2n=40$ ^{16, 17, 22, 31, 33}

14. Gametic chromosome number(s): $n=20$ ^{17, 21, 22, 26, 30, 33}

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

Image file

16.Ploidy level: Diploid^{16, 17, 21, 22, 26,30, 31, 33}

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 20II^{17, 21, 22, 26, 30, 33} (Shekhar 1984)

Image file

27. Chromosome distribution at anaphase I: $n=20$ in each cell of a tetrad^{21, 26}, Regular 20:20 distribution at A-I³⁰

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):