

Species Datasheet

Datasheet No. A-061.035.005
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Coelogyne corymbosa* Lindl

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Pleione corymbosa (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 corymbosa* Lindl.

Bentham and Hooker(1862)

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

4. Distribution:

Global: Nepal, Bhutan, northeastern India, and China 1400 to 3500 m Nepal, Bhutan, India, China

India: Assam, Manipur, Meghalaya, Nagaland, Arunachal Pradesh, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Grows as epiphyte as well as lithophyte in thick forests

8.Life Form:Phanerophyte

9.Economic Importance:Cultivated ornamental, medicinal, pseudobulb juice for headache

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{20, 21, 26, 27, 28}, 20^{22}$

13. Zygotic chromosome number(s): $2n=38^{20, 21, 26, 27, 28}, 40^{22}$

14. Gametic chromosome number(s): $n=20^{22}$

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

Image file

16.Ploidylevel:Diploid $^{20, 21, 22, 26, 27, 28}$

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: $^{21, 26}$

KaryotypeMedian $^{21, 26}$

Chromosome sizeSmall $^{21, 26}$

NOR chromosome(s)

Degree of asymmetrySymmetrical $^{21, 26}$

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 2011²²

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.):