

Species Datasheet

Datasheet No. A-061.035.035
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Coelogyneviscosa* Rchb.f.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Coelogynegraminifolia E.C.Parish & Rchb.f.

Pleionegraminifolia (E.C.Parish & Rchb.f.) Kuntze

Pleioneviscosa (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 viscosa* Rchb.f.

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Coelogyneae

Genus: *Coelogyne* Lindl.

Species: *Coelogyne viscosa* Rchb.f.

4. Distribution:

Global: Northeastern India, Myanmar, southern China, Laos, Vietnam, Thailand and penninsular Malaysia at elevations of 700 to 1000 m

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

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphyte or lithophyte, 700-2000m

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20^{30, 35}$

13. Zygotic chromosome number(s): $2n=40^{30, 35}$

(VIJ, S. P. & N. Shekhar. 1985 Taxon), Shekhar 1984

VIJ, S. P. & N. Shekhar. 1985. Chromosome Number Reports LXXXVII. Taxon 34: 346–351.

14. Gametic chromosome number(s): $n=$

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

Image file

16.Ploidy level:Diploid^{30, 35}

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:³⁰ (Shekhar 1984)

KaryotypeMedian, submedian³⁰

Chromosome size Small³⁰

NOR chromosome(s)

Degree of asymmetry Symmetrical³⁰

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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:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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