

Species Datasheet

Datasheet No. A-061.035.009
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Coelogyne fuscescens* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Coelogyne brunnea Lindl.

Coelogyne cynoches E.C.Parish & Rchb.f.

Coelogyne fuscescens var. *brunnea* (Lindl.) Lindl.

Coelogyne fuscescens var. *fuscescens*

Coelogyne fuscescens var. *integrilabia* Pfitzer

Coelogyne fuscescens var. *viridiflorum* Pradhan

Coelogyne integrilabia (Pfitzer) Schltr.

Pleione cynoches (E.C.Parish & Rchb.f.) Kuntze

Pleione fuscescens (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 fuscescens* Lindl.

Bentham and Hooker (1862)

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

4. Distribution:

Global: Bangladesh, East Himalaya, Laos, Myanmar, Nepal, Vietnam, 600-2100m

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

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Warm to cold growing creeping epiphyte, 1200-1800m.

8.Life Form:Phanerophyte

9.Economic Importance:Medicinal, pseudobulb paste and juice for abdominal pain and burns.

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20^{3, 22, 25, 31}$

13. Zygotic chromosome number(s): $2n=40^{3, 22, 25, 31}$

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

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

Image file

16.Ploidy level:Diploid^{3, 22, 25, 31}

Image file

17.Agametoploidy:

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

19.Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:²⁵

Karyotype Median, submedian²⁵

Chromosome size Small²⁵

NOR chromosome(s)⁶²⁵

Degree of asymmetry Symmetrical²⁵

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 meiosis²⁰²²

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.):