

Species Datasheet

Datasheet No. A-061.048.040
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dendrobium ochreatum* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Callista ochreatea (Lindl.) Kuntze

Dendrobium cambridgeanum Paxton

3. Systematic Position:

APG IV (2016)

Kingdom: Plantae

Clade: Angiosperms

Clade: Monocots

Order: Asparagales Link.

Family: Orchidaceae Juss.

Subfamily: Epidendroideae

Tribe: Malaxidinae

Subtribe: Dendrobiinae

Genus: *Dendrobium* Sw.

Species: *D. ochreatum* Lindl.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Dendrobieae

Genus: *Dendrobium* Sw.

Species: *D. ochreatum* Lindl.

4. Distribution:

Global: Myanmar, Thailand and Vietnam, India, 1200-2000m

India: Eastern Himalayas and Meghalaya 2000m

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Deciduous epiphyte or lithophyte

8.Life Form: Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{46,47, 56}$, 20^{42}

13. Zygotic chromosome number(s): $2n=38^{46,47, 56}$, 40^{42}

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

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

Image file

16.Ploidy level:Diploid^{42, 46,47, 56}

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:^{42, 46, 47}

KaryotypeMedian, submedian, 3 pairs subterminal^{42, 46, 47}

Chromosome sizeSmall^{42, 46, 47}

NOR chromosome(s)2⁴²

Degree of asymmetryModerately asymmetrical^{42, 46, 47}

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

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.):