

Species Datasheet

Datasheet No. A-061.026.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cephalantheropsis obcordata* (Lindl.) Ormerod

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

[*Alismorchisgracilis* \(Lindl.\) Kuntze](#)

[*Alismorchistubifera* \(Hook. f.\) Kuntze](#)

[*Alismorkisgracilis* \(Lindl.\) Kuntze](#)

[*Alismorkistubifera* \(Hook.f.\) Kuntze](#)

[*Bletiaobcordata*Lindl.](#)

[*Calanthebursicola*Gagnep.](#)

[*Calanthe gracilis*Lindl.](#)

[*Calantheramosii* Ames](#)

[*Calanthe tubifera*Hook.f.](#)

[*Calanthevenusta*Schltr.](#)

[*Cephalantheropsisgracilis* \(Lindl.\) S.Y.Hu](#)

[*Cephalantheropsisvenusta* \(Schltr.\) S.Y.Hu](#)

[*Gastrorchisgracilis* \(Lindl.\) Aver.](#)

[*Limatodisgracilis* \(Lindl.\) Lindl.](#)

[*Paracalanthe gracilis* \(Lindl.\) Kudô](#)

[*Paracalanthevenusta* \(Schltr.\) Kudô](#)

[*Phaiusgracilis* \(Lindl.\) S.S.Ying \[Illegitimate\]](#)

[*Phaiusramosii* \(Ames\) Ames](#)

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Collabieae
- Genus: *Cephalantheropsis* Guillaumin
- Species: *Cephalantheropsis obcordata* (Lindl.) Ormerod

4. Distribution:

Global: Fujian, Guangdong, Hainan and Yunnan provinces of China, Japan, Taiwan, Bangladesh, Laos, Myanmar, Thailand, Vietnam, Hong Kong, Malaysia, the Moluccas and the Philippines in primary, semideciduous, broad-leaved, mixed and coniferous forests at elevations of 1300 to 1450 m

India: Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Arunachal Pradesh

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Terrestrial herb; grows in thick forests on humus near water channels

8. Life Form: Cryptophyte

9. Economic Importance: Importance: ornamental

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=20^{2, 3, 4, 5, 6, 7, 8}$

13. Zygotic chromosome number(s): $2n=40^{2, 5, 7, 8}$

14. Gametic chromosome number(s): $n=20^{3, 4, 6}$

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

Image file

16. Ploidy level: Diploid^{2, 3, 4, 5, 6, 7, 8}

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 Population A: 20II, in small number of PMC's 1-2 bivalents showed early disjunction. In 1% of PMC's a hexavalent and a quadrivalent was noticed ^{4, 6}

Population B: Multiple associations and univalents in 83% of PMC's ^{4, 6}

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.):