

Datasheet No. A-061.014.009
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species:

Subspecies:

Variety: *Calanthe furcata* var. *alismatifolia* (Lindl.) M. Hiroe

Cultivar

Hybrid

Image file

2. Synonyms: *Alismorkis alismatifolia* (Lindl.) Kuntze, *Calanthe alismatifolia* Lindl.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Collabieae
- Genus: *Calanthe* R.Br.
- Species: *Calanthe furcata* Bateman ex Lindl.
- Variety: *Calanthe furcata* var. *alismatifolia* (Lindl.) M. Hiroe

Bentham and Hooker(1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Blettieae
Genus: *Calanthe* R.Br.
Species: *Calanthe furcata* Bateman ex Lindl.
Variety: *Calanthe furcata* var. *alismatifolia* (Lindl.) M. Hiroe

4.Distribution:

Global: China (Guangxi, Guizhou, Hubei, Hunan, Sichuan, Taiwan, SE Xizang, SE and W Yunnan, Zhejiang), Bhutan, NE India, Japan, Vietnam

India: North-East India, 700-2100 m

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial herbs

8.Life Form: Cryptophytes

9.Economic Importance: Cultivated ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20^{35}, 22^{22, 26}$

13. Zygotic chromosome number(s): $2n=44^{25}$

14. Gametic chromosome number(s): $n=20^{34}, 22^{21, 25}$

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

Image file

16.Ploidylevel:Diploid^{21, 25, 34}

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 20 II³⁴, 22 II^{21, 25}

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.):