

Datasheet No. A-061.014.021
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Calanthe vaginata* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Alismorchis vaginata* (Lindl.) Kuntze, *Alismorkis vaginata* (Lindl.) Kuntze

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 vaginata* Lindl.

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Blettieae

Genus: *Calanthe* R.Br.

Species: *Calanthe vaginata* Lindl.

4.Distribution:

Global: Bangladesh, Cambodia, China South-Central, China Southeast, East Himalaya, Laos, Thailand, Vietnam

India: Arunachal Pradesh, Assam, Meghalaya, Manipur

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Terrestrial herbs

8.Life Form: Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value

Methodology

12. Basic chromosome number(s): $x =$

13. Zygotic chromosome number(s): $2n =$

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

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

Image file

16. Ploidy level:

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:

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

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.):