

Datasheet No. A-061.014.020  
(family.genus.species)

DBT- Network Programme

**1.Taxon:**

**Species:** *Calanthe uncata* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

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

**4.Distribution:**

**Global:**India

**India:** West Bengal

**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.):**