

Datasheet No. A-061.014.019
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Calanthe trulliformis* King & Pantl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: Nil

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 trulliformis* King & Pantl.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Blettieae

Genus: *Calanthe* R.Br.

Species: *Calanthe trulliformis* King & Pantl.

4. Distribution:

Global: Eastern Nepal, Bhutan, India and Myanmar

India: Eastern Himalayas, Arunachal Pradesh, Sikkim, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Terrestrial herbs; on shady forest floors at elevations of 1830 to 2400 m

8. Life Form: Cryptophytes

9. Economic Importance: Importance: ornamental

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=20^{18}$

13. Zygotic chromosome number(s): $2n=40^{18}$

14. Gametic chromosome number(s): $n=20^{18}$

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

Image file

16. Ploidy level: Diploid¹⁸

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 meiosis2011¹⁸

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;Translocationsetc.):**