

Datasheet No. A-061.014.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Calanthebrevicornu*Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

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:*Calanthebrevicornu*Lindl.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Blettieae

Genus: *Calanthe* R.Br.

Species:*Calanthebrevicornu*Lindl.

4.Distribution:

Global:Himalayas, northeastern India, Nepal, Myanmar

India: Himalayas from Kumaon eastwards to Bhutan, Arunachal Pradesh, Meghalaya, Nagaland, Uttarakhand, West Bengal, Manipur, Mizoram

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial herbs, grows on humus rich soils in shady forests up to 1300-2400m

8.Life Form:Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{24}, 20^{18,26,31}, 24^{21,22,25}$

13. Zygotic chromosome number(s): $2n=40^{18,26,31}, 38^{24}, 48^{21,25}$

14. Gametic chromosome number(s): $n=20^{18,26}, 24^{21,22}$

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

Image file

16.Ploidylevel:Diploid $20^{18,21,22,24,25,26,31}$

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:²⁶

KaryotypeMedian, submedian, 2 subterminal pairs²⁶

Chromosome sizeSmall²⁶

NOR chromosome(s)

Degree of asymmetry Symmetrical²⁶

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 meiosis2011^{18, 26}

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.):**