

Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.014.011
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Calantheherbacea*Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:*Calantheelytroglossa*Rchb.f. ex Hook.f.

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:*Calantheherbacea*Lindl.

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Blettieae

Genus: *Calanthe* R.Br.

Species:*Calantheherbacea*Lindl.

4.Distribution:

Global:China, Taiwan, eastern Himalayas and Vietnam

India: Arunachal Pradesh, Meghalaya, Nagaland, Uttarakhand, West Bengal

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows on rotting leaf mold in thick forests in moist places; in moist places in forests and along ravines at elevations of 1300 to 2600 m

8.Life Form:Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20^{4, 16, 17, 18, 23}$, $21^{13, 21, 22, 31}$

13. Zygotic chromosome number(s): $2n=40^{4, 16, 17, 23}$, $40+2B^{18}$, $42^{13, 21, 31}$

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

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

Image file

16.Ploidylevel:Diploid^{4, 13, 16, 17, 18, 21, 22, 23, 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:

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: 20:20 distribution at A-I, unequal distribution of 19:21 observed in 5% and laggards in 15%

PMC's ^{17, 23}

28. Genetic diversity:

Chromosomal level

Image file

DNA level

**29.Any other information (Apoixis; Inversion; Male sterility;Pollen grain mitosis;
Pollen stainability;Translocationetc.):**