

Species Datasheet

Datasheet No. A-061.073.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Platantheracumminsiana* (King & Pantl.) Renz

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Habenariacumminsiana King & Pantl.

Habenellacumminsiana (King & Pantl.) Szlach. & Kras-Lap.

Platantheroidescumminsiana (King & Pantl.) Szlach.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe: Orchideae
- Subtribe: Orchidinae
- Genus: *Platanthera* Rich.
- Species: *Platantheracumminsiana* (King & Pantl.) Renz

4. Distribution:

Global: India

India: Eastern Himalayas at elevations around 3660 meters

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Cold growing miniature sized terrestrial tuberous herb

8. Life Form: Cryptophytes

9. Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=21^{22, 25}$

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

14. Gametic chromosome number(s): $n=21^{22, 25}$

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

Image file

16.Ploidy level:Diploid^{22, 25}

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 21 II ²²

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.):**