

Species Datasheet

Datasheet No. A-061.073.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Platantherabierrmanniana* (King & Pantl.) Kraenzl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Habenariabierrmanniana* King & Pantl.

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: *Platantherabierrmanniana* (King & Pantl.) Kraenzl.

4.Distribution:

Global: Eastern Himalayas and Nepal in rhododendron forests at elevations of 2000 to 3050 m

India: Eastern Himalayas

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Cold growing terrestrial in Rhododendron forests at 2000-3000m

8.Life Form: Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=21$ ^{17, 18, 22, 24}

13. Zygotic chromosome number(s): $2n=42$ ^{17, 18}, 84 ¹⁸

14. Gametic chromosome number(s): $n=21^{17, 18, 22, 24}$

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

Image file

16.Ploidy level:Diploid^{17, 18, 22, 24} ,Tetraploid¹⁸

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; Translocation etc.):