

Species Datasheet

Datasheet No. A-061.073.010
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Platanthera latilabris* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Habenariabonati Schltr.

Habenaria latilabris (Lindl.) Hook.f.

Habenella latilabris (Lindl.) Szlach. & Kras-Lap.

Pecteilis latilabris (Lindl.) Mitra

Platanthera acuminata Lindl.

Platantheroides latilabris (Lindl.) 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: *Platanthera latilabris* Lindl.

4. Distribution:

Global: Pakistan, India, Nepal, China, 1600-3200m

India: Western Himalayas

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Small to medium sized, cool to cold growing terrestrial tuberous herb

8.Life Form:Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{20}, 21^2, 8, 9, 10, 15, 16, 26, 27$

13. Zygotic chromosome number(s): $2n=38^{20}, 42^2, 8, 10, 15, 16, 26, 84^6$

14. Gametic chromosome number(s): $n=21^2, 8, 9, 15, 26, 27$

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

Image file

16.Ploidy level: Diploid $^{2, 8, 9, 10, 15, 16, 20, 26, 27}$, Tetraploid 6

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: $^{7, 8, 15}$

Karyotype Median, submedian, 3 pairs subterminal, 4 pairs terminal, bimodal $^{7, 8, 15}$

Chromosome size Small $^{7, 8, 15}$

NOR chromosome(s)

Degree of asymmetry Fairly asymmetrical $^{7, 8, 15}$

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 ^{7, 8, 15}

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.):