

Species Datasheet

Datasheet No. A-061.068.005
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pecteilistriflora* (D.Don) Tang & F.T. Wang

Subspecies:

Variety:

Cultivar

Hybrid

Image file: Nil

2. Synonyms:

Habenariatriflora D.Don, *Habenariauniflora* Buch.-Ham. ex D.Don, *Orchis uniflora* Buch.-Ham. ex D.Don [Invalid], *Pecteilis candida* (Lindl.) Schltr., *Platanthera candida* Lindl. [Illegitimate], *Platantheratriflora* (D.Don) Pradhan, *Platantheratriflora* (D.Don) Pradhan var. *multiflora* Pradhan, *Platantherauniflora* (Buch.-Ham. ex D.Don) Lindl.

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: *Pecteilis* Raf.
- Species: *Pecteilistriflora* (D.Don) Tang & F.T. Wang

4. Distribution:

Global: Bangladesh, India, Nepal and Bhutan at elevations up to 1500 m

India: Jharkhand, Meghalaya, Uttarakhand

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Terrestrial tuberous herb, grows on open grasslands at an elevation up to 1100 m

8. Life Form: Cryptophytes

9. Economic Importance: Horticultural potential due to its elegant snow-white flowers.

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=21$ ^{7, 8, 12}

13. Zygotic chromosome number(s): $2n=42$ ^{7, 8, 12}

14. Gametic chromosome number(s): $n=$

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

Image file

16.Ploidy level:Diploid^{7, 8, 12}

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, 12}

Karyotype Mostly median^{7, 8, 12}

Chromosome size Small^{7, 8, 12}

NOR chromosome(s)

Degree of asymmetry Symmetrical^{7, 8, 12}

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:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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