

Species Datasheet

Datasheet No. A-061.070.008
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Peristylus fallax* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Habenaria fallax (Lindl.) King & Pantl.

Herminium fallax (Lindl.) Hook. f.

Monorchis fallax (Lindl.) O. Schwarz

Peristylus fallax var. *dwarikae* Deva & H.B. Naithani

Platanthera fallax (Lindl.) Schltr.

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: *Peristylus* Blume
- Species: *Peristylus fallax* Lindl.

4. Distribution:

Global: Western Himalayas, Chinese Himalayas, the eastern Himalayas, Nepal and Bhutan, 2000-4000m

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

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Small to medium sized terrestrialtuberous herb, grows in open grassy places at 1400-1800m

8.Life Form:Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=15^{6, 7, 12, 13}, 17^{14, 17}, 21^{18}$

13. Zygotic chromosome number(s): $2n=30^{7, 12, 13}, 34^{14}, 42^{18}$

14. Gametic chromosome number(s): $n=17^{14, 17}, 15+0-3B^{6, 13}, 21^{18}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes): $0-3B's^{13}$

Image file

16.Ploidy level:Diploid^{6, 7, 12, 13, 14, 17, 18}

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:^{6, 7, 13}

Karyotype Median, submedian, 2 pairs subterminal^{6, 7, 13}

Chromosome size Small^{6, 7, 13}

NOR chromosome(s) ^{4^{6, 7, 13}}

Degree of asymmetry Symmetrical^{6, 7, 13}

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 17II^{17, 20}

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.):