

Species Datasheet

Datasheet No. A-061.070.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Peristylus affinis* (D.Don) Seidenf.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Gymnadenia affinis (D.Don) Rchb.f.

Habenaria affinis D.Don

Habenaria cavaleriei Schltr.

Habenaria sampsonii (Hance) Hance

Peristylus goodyeroides var. *affinis* (D.Don) T.Cooke

Peristylus sampsonii Hance

Phyllomphax affinis (D.Don) 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

4. Distribution:

Global: India (Western Himalayas, Assam), Nepal, Myanmar, China, Laos and Thailand, Papua (Indonesia); Papua, New Guinea, 400-3000m

India: Western Himalayas to Assam

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Small tuberous herb, Evergreen forests, open scrub and grassy slopes.

8.Life Form:Cryptophytes

9.Economic Importance:Potentialornamental

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=21^{8, 13}$

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

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

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

Image file

16.Ploidy level:Diploid^{8, 13}

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

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.):