

Species Datasheet

Datasheet No. A-061.070.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Peristylus constrictus* (Lindl.) Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Habenaria constricta (Lindl.) Hook.f.

Habenaria cylindrocalyx Gagnep.

Herminium constrictum Lindl.

Orchis leucantha Ham. ex Hook.f.

Platanthera constricta Lindl. ex Wall. [Invalid]

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 constrictus* (Lindl.) Lindl.

4. Distribution:

Global: India, Chinese Himalayas, Bangladesh, Nepal, Bhutan, Myanmar, Bangladesh, Thailand, Cambodia, Vietnam and the Philippines, 450-1200m

India: Arunachal Pradesh, Assam, Bihar, Himachal Pradesh, Jammu and Kashmir, Jharkhand, Madhya Pradesh, Maharashtra, Meghalaya, Nagaland, Odisha, Sikkim, Uttarakhand, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Medium to large sized terrestrialtuberous herb. Moist deciduous forests.

8.Life Form:Cryptophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^2, 21^1$

13. Zygotic chromosome number(s): $2n=38^2, 42^1$

14. Gametic chromosome number(s): $n=21^1$

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

Image file

16.Ploidy level:Diploid^{1, 2}

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:²

Karyotype Median, submedian²

Chromosome size Small²

NOR chromosome(s)

Degree of asymmetry Symmetrical²

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.):