

Species Datasheet

Datasheet No. A-061.114.004
(family.genus.species)

DBT-1

1. Taxon:

Species: *Papilionanthe teres* (Roxb.) Schltr.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Dendrobium teres Roxb.

Papilionanthe teres f. *candida* (Rchb.f.) Christenson

Vanda teres (Roxb.) Lindl.

Vanda teres var. *candida* Rchb.f.

Vanda teres var. *canida* Rchb. f.

3. Systematic Position:

APG IV (2016)

- Kingdom:
- Clade:
- Clade:
- Clade:
- Order:
- Family:
- Subfamily:
- Genus:
- Species:
- Subspecies:
- Variety:

Bentham and Hooker(1862)

Kingdom:
Division:
Order:
Class:
Subclass:
Order:
Family:
Subfamily:
Genus:
Species:
Subspecies:
Variety:

4. Distribution:

Global: Chinese Himalayas, Bangladesh, eastern Himalayas, India, Nepal, Andaman Islands, Myanmar, Thailand, Laos, Vietnam

India: Eastern Himalayas Sikkim and Assam hills, Andaman Nicobar Islands

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphyte in tropical Moist Forest

8.Life Form: Herbaceous perennial

9.Economic Importance: Medicinal, leaf paste as antipyretic

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19$ 2, 3, 7, 8, 9, 10, 11, 12, 13, 14, 15 , 20^{4, 5}

13. Zygotic chromosome number(s): $2n=38$ 2, 3, 7, 8, 10, 11, 12, 13, 14, 15 ,

35, 38⁸ , 40^{4, 5}

14. Gametic chromosome number(s): $n=19$ 9, 10

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

Image file

16.Ploidy level: Diploid^{2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15}

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, 10

Karyotype Median, submedian, 3 pairs subterminal^{7, 10}

Chromosome size Small^{7, 10}

NOR chromosome(s) 4⁷

Degree of asymmetry Symmetrical 7, 10

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 19 II 10

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.):