

Species Datasheet

Datasheet No. A-061.114.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Papilionanthe vandarum* (Rchb.f.) Garay

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Aerides cylindrica Hook. [Illegitimate]

Aerides vandarum Rchb.f.

Vanda vandarum (Rchb.f.) K.Karas.

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: Eastern Himalayas, India, Nepal, Bhutan, Myanmar, China

India: Eastern Himalayas, Assam, Sikkim, 1200-1700m

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Epiphyte

8.Life Form: Herbaceous, perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{1, 7, 9, 15, 16}$

13. Zygotic chromosome number(s): $2n=38^{1, 7, 9, 15, 16}$

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

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

Image file

16.Ploidy level: Diploid^{1, 7, 9, 15, 16}

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

Karyotype Median, submedian⁷

Chromosome size Small⁷

NOR chromosome(s)

Degree of asymmetry Symmetrical⁷

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.):