

Species Datasheet

Datasheet No. A-061.113.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Vandopsisundulata* (Lindl.) J.J.Sm

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Fieldiaundulata (Lindl.) Rehb.f

Stauropsispolyantha W.W.Sm

Stauropsisundulatus (Lindl.) Benth. exHook.f

Vandaundulata Lindl.

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: India (eastern Himalayas), Nepal, Bhutan, Sikkim, Myanmar and southern China on oaks or on shaley soils at elevations of 1500 to 2300 m

India: East Himalayan Sikkim and Assam hills 1500-2000m

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Large sized, cool to cold growing epiphyte or terrestrial

8.Life Form:Herbaceous perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{2, 4, 5, 6, 7, 8, 9, 10, 11, 12}$

13. Zygotic chromosome number(s): $2n=38^{2, 4, 5, 6, 7, 9, 11, 12}$

14. Gametic chromosome number(s): $n=19^{6, 7, 8, 10}$

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

Image file

16.Ploidy level:Diploid $^{2, 4, 5, 6, 7, 9, 11, 12}$

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:¹¹

Karyotype Median, submedian, 4 pairs subterminal¹¹

Chromosome size Small¹¹

NOR chromosome(s)

Degree of asymmetry Moderately asymmetrical¹¹

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 19II⁶

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):