

Species Datasheet

Datasheet No. A-061.108.007
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Vanillawalkeriae* Wight

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: Nil

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Vanilloideae
- Tribe: Vanilleae
- Genus: *Vanilla* Plum. ex Mill.
- Species: *Vanilla walkeriae* Wight

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Neottieae

Genus: *Vanilla* Plum. ex Mill.

Species: *Vanilla walkeriae* Wight

4. Distribution:

Global: Sri Lanka

India: Andhra Pradesh, Tamil Nadu, Kerala, Karnataka

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Grows in open scrub and dry deciduous forests (above 300m)

8. Life Form: Phanerophytes

9. Economic Importance: Spice

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=$

13. Zygotic chromosome number(s): $2n=$

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

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

Image file

16.Ploidy level:

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.):