

# Species Datasheet

Datasheet No. A-061.108.002  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Vanillaaphylla* Blume

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Vanillaparishii* Rchb.f.

## 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 aphylla* Blume

## Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Neottieae

Genus: *Vanilla* Plum. ex Mill.

Species: *Vanilla aphylla* Blume

## 4. Distribution:

**Global:** Thailand, Malaysia, Singapore, Philippines, India, Indonesia, Myanmar, Indo-China, Bangladesh

**India:** Assam, Manipur, Mizoram

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Herbaceous terrestrial (climber)

**8. Life Form:** Phanerophytes

**9. Economic Importance:**

**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.):**