

# Species Datasheet

Datasheet No. A-061.107.002  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Vandabicolor* Griff.

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: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Vanda* R.Br.
- Species: *Vanda bicolor* Griff.

### Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Vandeae

Subtribe: Sarcantheae

Genus: *Vanda* R.Br.

Species: *Vanda bicolor* Griff.

## 4. Distribution:

**Global:** Nepal, Myanmar, India, Tibet

**India:** Arunachal Pradesh, Assam, Meghalaya, Nagaland, Sikkim

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

## 6. Threat Status:

**IUCN:**

**BSI:**

## 7. Habit and Habitat: Perennial epiphytic herb; on tree trunks in shady places in forests

## 8. Life Form: Phanerophytes

## 9. Economic Importance: Ornamental

## 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 (Aponixis; Inversion; Male sterility;Pollen grain mitosis;  
Pollen stainability;Translocationsetc.):**