

# Species Datasheet

Datasheet No. A-061.045.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Cymbidium aloefolium* Heynh. ex Wall.

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: Cymbidieae
- Subtribe: Cymbidiinae
- Genus: *Cymbidium* Sw.
- Species: *Cymbidium aloefolium* Heynh. ex Wall.

### Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Vandaeae

Subtribus: Cymbidieae

Genus: *Cymbidium* Sw.

Species: *Cymbidium aloefolium* Heynh. ex Wall.

## 4. Distribution:

**Global:** Guangdong, Guangxi, China, Bangladesh, eastern Himalayas, India, Nepal, Sri Lanka, Andaman Islands, Myanmar, Thailand, Laos, Cambodia, Vietnam, Hong Kong, Malaysia, Java, Sumatra, 1100m

**India:** Eastern Himalayas, Andaman Islands

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

## 6. Threat Status:

IUCN:

BSI:

## 7. Habit and Habitat: Epiphyte or lithophyte

**8.Life Form:** Phanerophyte

**9.Economic Importance:**ornamental, medicinal(Anti-inflammatory, Paralysis, joining fractured bones, fever, weakness of eyes, chronic illness, burns, sores)

**10. Probable Progenitor of:**

**11.DNA**

**C-value          Methodology**

**12.Basic chromosome number(s):** $x=20^{29}$

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

**14. Gametic chromosome number(s):** $n=20^{29}$

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

Image file

**16.Ploidy level:** Diploid<sup>29</sup>

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** 2011<sup>29</sup>

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.):**