

# Species Data Sheet

Datasheet No. A-078.011.003  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Belosynapsis vivipara* (Dalzell) C.E.C. Fisch.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Cyanotis vivipara* Dalzell, *Dalzellia vivipara* (Dalzell) Hassk., *Tonningia vivipara* (Dalzell) Kuntze

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Commelinales Mirb. ex Bercht. & J. Presl
- Family: Commelinaceae Mirb.
- Genus: *Belosynapsis* Hassk.
- Species: *B. vivipara* (Dalzell) C.E.C. Fisch.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Coronarieae  
Ordo: Commelinaceae Mirb.  
Genus: *Belosynapsis* Hassk.  
Species: *B. vivipara* (Dalzell) C.E.C. Fisch.

## 4. Distribution:

Global: India

India: Western Ghats

5. Indigenous/Exotic/Endemic; Cultivated/Wild: Apparently endemic to Western Ghats of India.

## 6. Threat Status:

IUCN:

BSI

7. Habit and Habitat: Epiphytic herb, tropical moist forest, epiphytic on densely moss-covered trees.

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

**11.DNA**

**C-value Methodology**

**12.Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n=30^{2,3}52^{1,2,6}60^7$

**14. Gametic chromosome number(s):**  $n=26^1$

**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):**