

# Species Datasheet

Datasheet No. A-061.035.013  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Coelogynelongipes* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Pleionelongipes* (Lindl.) Kuntze

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribus: Arethuseae
- Subtribus: Coelogyneae
- Genus: *Coelogyne* Lindl.
- Species: *Coelogyne longipes* Lindl.

### Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Coelogyneae

Genus: *Coelogyne* Lindl.

Species: *Coelogyne longipes* Lindl.

## 4. Distribution:

**Global:** Chinese Himalayas, Assam, the eastern Himalayas, Nepal, Myanmar, Thailand and Laos, 1300-2000

**India:** Manipur, Meghalaya, Mizoram, Nagaland, Arunachal Pradesh, Sikkim, West Bengal

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** Grows as an epiphyte in shady as well as in exposed places at 1500-2300m

**8.Life Form:**Phanerophyte

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=20^{6, 20, 21, 22, 26, 31}, 21^{16}$

**13. Zygotic chromosome number(s):** $2n=40^{6, 20, 22, 31}, 42^{16}$

**14. Gametic chromosome number(s):** $n=20^{20, 21, 26}$

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

Image file

**16.Ploidy level:**Diploid $^{6, 16, 20, 21, 22, 26, 31}$

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>21, 26</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.):**