

Species Datasheet

Datasheet No. A-061.024.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Callostylis rigida* Blume

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Callostylisrigida subsp. *discolor* (Lindl.) Brieger

Eriadiscolor Lindl.

Eriapholidotoides Gagnep.

Eriarigida (Blume) Rchb.f. [Illegitimate]

Liparisbidentata Griff.

Tylostylisdiscolor (Lindl.) Hook.f.

Tylostylisrigida (Blume) Blume

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Podochileae
- Genus: *Callostylis* Blume
- Species: *Callostylis rigida* Blume

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Bletieae
Genus: *Callostylis* Blume
Species: *Callostylis rigida* Blume

4. Distribution:

Global: Yunnan China, Sikkim, Myanmar, Laos, Vietnam, India, Thailand, peninsular Malaysia, Borneo, Java and Sumatra in heath forests,

India: Sikkim, Khasi and Jaintia hills 900m

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Hot to warm growing epiphyte or lithophyte; hill forests and lower montane forests at elevations of 150 to 1160 m

8.Life Form:Phanerophyte

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=20^{1, 2, 4}$

13. Zygotic chromosome number(s): $2n=40^{1, 4}$

14. Gametic chromosome number(s): $n=20^{1, 2, 4}$

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

Image file

16.Ploidy level:Diploid^{1, 2, 4}

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 20 II¹

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.):