

Species Datasheet

Datasheet No. A-061.093.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Schoenorchisgemmata* (Lindl.) J.J.Sm.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms: *Cleisostomadichroanthum* Gagnep., *Cleisostomadichroanthum* var. *teurnamense* Tixier, *Cleisostomaevrardii* Gagnep., *Cleisostomagemmatum* (Lindl.) King & Pantl., *Gastrochilusgemmatus* (Lindl.) Kuntze, *Saccolabiumgemmatum* Lindl., *Saccolabiumhainanense* Rolf, *Saccolabiumspatulatum* Rolfe ex Downie, *Schoenorchishainanensis* (Rolfe) Schltr., *Schoenorchisspatulata* (Rolfe ex Downie) Seidenf. & Smitinand

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: *Schoenorchis* Reinw. ex Blume
- Species: *Schoenorchisgemmata* (Lindl.) J.J.Sm.

4.Distribution:

Global: Bangladesh, Cambodia, China South-Central, China Southeast, East Himalaya, Hainan, Laos, Myanmar, Nepal, Thailand, Tibet, Vietnam

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

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Small to just medium sized, warm to cold growing, pendulous or drooping epiphytic herb

8.Life Form: Phanerophytes

9.Economic Importance: Cultivated ornamental medicinal

10. Probable Progenitor of:

11.DNA

C-value Methodology

2C (6.38 pg)³ Feulgen microdensitometry³

12.Basic chromosome number(s): $x=13^9, 18^{4,8}, 20^{2,3,7}$

13. Zygotic chromosome number(s): $2n=36^{4,5,8}, 40^{2,3,7}, 26^9$

14. Gametic chromosome number(s): $n=$

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

Image file

16.Ploidy level:Diploid^{2,3,4,7,8,9}

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:⁵

Karyotype Median, submedian, 2 pairs subterminal⁵

Chromosome size Small⁵

NOR chromosome(s)

Degree of asymmetry Symmetrical⁵

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;Translocationsetc.):**