

Species Datasheet

Datasheet No. A-061.097.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Smitinandiahelferi* (Hook.f.) Garay

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:** *Gastrochilus helferi* (Hook.f.) Kuntze, *Saccolabium helferi* Hook.f.,
Saccolabium humile Ridl., *Smitinandia humilis* (Ridl.) Holttum

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: *Smitinandia* Holttum
- Species: *Smitinandia helferi* (Hook.f.) Garay

4.Distribution:

Global: Cambodia, Laos, Malaya, Vietnam

India: Andaman & Nicobar Islands

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

6.Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Epiphytic herb

8. **Life Form:** Phanerophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

C-value **Methodology**

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

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

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

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.):