

Species Datasheet

Datasheet No. A-061.103.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Sunipiabicolor* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:** *Bulbophyllum bicolor* (Lindl.) Hook.f., *Dipodium khasyanum* Griff., *Ione bicolor* (Lindl.) Lindl., *Ione khasyana* (Griff.) Lindl.

3.Systematic Position:

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Dendrobieae

Genus: *Sunipia* Lindl.

Species: *Sunipia bicolor* Lindl.

4.Distribution:

Global: India, Nepal, Bhutan, China, Myanmar, Thailand

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

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

6.Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Miniature sized cool or cold growing epiphyte or lithophytes

8. **Life Form:** Phanerophytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA**

12. Basic chromosome number(s): $x=20$ ¹

13. Zygotic chromosome number(s): $2n=40$ ¹

14. Gametic chromosome number(s): $n=20$ ¹

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

Image file

16. Ploidy level: Diploid¹

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 meiosis2011¹

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;Translocationetc.):**