

Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.004.003
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Agrostophyllummyrianthum*King &Pantl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:Nil

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Epidendreae
- Subtribe: Agrostophyllinae
- Genus: *Agrostophyllum*Blume
- Species:*Agrostophyllummyrianthum*King &Pantl.

Bentham and Hooker(1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Sarcantheae

Genus: *Agrostophyllum*Blume

Species:*Agrostophyllummyrianthum*King &Pantl.

4.Distribution:

Global:India

India: Arunachal Pradesh, West Bengal, Sikkim, 400m

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Epiphytes

8.Life Form:Phanerophytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

12. Basic chromosome number(s): $x=20^{6, 9}$

13. Zygotic chromosome number(s): $2n=40^{6, 9}$

14. Gametic chromosome number(s): $n=20^{6, 9}$

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

Image file

16. Ploidy level: Diploid^{6, 9}

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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^{6, 9}

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.):