

Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.004.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Agrostophyllum callosum* Rchb.f.

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: *Agrostophyllum callosum* Rchb.f.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Subtribus: Sarcantheae
Genus: *Agrostophyllum* Blume
Species: *Agrostophyllum callosum* Rchb.f.

4. Distribution:

Global: India, Nepal, Bhutan, Myanmar, Thailand, Malaysia, Yunnan China, Vietnam, Java

India: Assam, Sikkim, Arunachal Pradesh, Meghalaya, Manipur, Mizoram, Nagaland

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Grows as an epiphyte; as well as lithophyte at 1400-1900 m

8. Life Form: Phanerophytes

9. Economic Importance: Medicinal, source of stilbenoids

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=19^{1,3}$, $20^{5,6,7,9}$

13. Zygotic chromosome number(s): $2n=38^{1,3}$, $40^{6,9}$

14. Gametic chromosome number(s): $n=20^{5,6,7}$

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

Image file

16.Ploidy level:Diploid 1,3,5,6,7,9

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:

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 meiosis2011^{5, 6, 7}

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

**29.Any other information (Apoixis; Inversion; Male sterility;Pollen grain mitosis;
Pollen stainability;Translocationetc.):**