

Datasheet No. A-061.004

(Family, Genus)

DBT- Network Programme

1. Genus: *Agrostophyllum* Blume

2. Systematic Position:

APG IV

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

Bentham and Hooker

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Epidendreae

Subtribus: Sarcantheae

Genus: *Agrostophyllum* Blume

3. Species:

Global: 102 (accepted), 2 (unassessed)

India: 4

4. Taxonomic riddles:²

5. Distribution:

Global: Bangladesh, Bismarck Archipelago, Borneo, Cambodia, Caroline Is., China South-Central, East Himalaya, Fiji, Hainan, India, Jawa, Laos, Lesser Sunda Is., Madagascar, Malaya, Maluku, Myanmar, Nepal, New Guinea, Philippines, Samoa, Seychelles, Solomon Is., Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tibet, Vanuatu, Vietnam

India: East Himalaya

6. Habit and Habitat: Epiphytes

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=19^{1,3}$, $20^{5,6,7,8,9}$, $24^{4,5,7}$ 10. Zygotic chromosome number(s): $2n=38^{1,3}$, $40^{6,8,9}$, $c.48^{4,5,7}$

11. Gametic chromosome number(s): $n=20^{5, 6, 7, 9}$, c. $24^{4, 5, 7}$

**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/
Neocentric chromosomes):**

13. Ploidy level: Diploid^{1, 3, 4, 5, 6, 7, 8, 9}

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

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

16. Karyograms: ⁸

Meiosis: ^{5, 6, 7, 9}

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: ²

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: