

Datasheet No. A-061.009
(Family: Genus)

DBT- Network Programme

1. Genus: *Arundina* Blume

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Arethuseae
- Subtribe: Arethusinae
- Genus: *Arundina* Blume

Bentham and Hooker

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Epidendreae
Genus: *Arundina* Blume

3. Species:

Global: 1

India: 1

4. Taxonomic riddles:²

5. Distribution:

Global: Bangladesh, Borneo, Cambodia, China South-Central, China Southeast, East Himalaya, Hainan, India, Jawa, Laos, Lesser Sunda Is., Malaya, Maluku, Myanmar, Nansei-shoto, Nepal, Philippines, Sri Lanka, Sulawesi, Sumatera, Taiwan, Thailand, Tibet, Vietnam

India: Arunachal Pradesh, Assam, Kerala, Manipur, Meghalaya, Mizoram, Nagaland, Tamil Nadu, Tripura, Sikkim, West Bengal

6. Habit and Habitat: Terrestrial herbs; grows on gravelly slopes among creeping grasses at 1400m

7. Economic Importance: Cultivated ornamental

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=19^{4,5}$, $20^{1,3,7,8,10,11,12,13,14,15}$

10. Zygotic chromosome number(s): $2n=38^{4,5}$, $40^{1,3,7,8,10,11,13,14,15}$

11. Gametic chromosome number(s): $n=20$ ^{3, 7, 8, 9, 10, 11, 12}, 21 ^{6, 8}

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

13. Ploidy level Diploid^{1, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15}

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

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

16. Karyograms: ¹¹

Meiosis: ^{8, 11, 12}

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: