

Datasheet No. A-061.001
(Family.Genus)

DBT- Network Programme

1. Genus: *Acampe* Lindl.

2. Systematic Position:

APG IV

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridineae
- Genus: *Acampe* Lindl.

Bentham and Hooker

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledonae
Series: Microspermae
Ordo: Orchideae
Tribus: Vandeae
Subtribus: Sarcantheae
Genus: *Acampe* Lindl.

3. Species:

Global: 7

India: 4

4. Taxonomic riddles: 22, 23, 24

5. Distribution:

Global: Aldabra, Angola, Bangladesh, Cambodia, China South-Central, China Southeast, Comoros, East Himalaya, Hainan, India, Kenya, KwaZulu-Natal, Laos, Madagascar, Malawi, Malaya, Mauritius, Mozambique, Myanmar, Nepal, Northern Provinces, Philippines, Réunion, Seychelles, Somalia, Sri Lanka, Swaziland, Taiwan, Tanzania, Thailand, Vietnam, West Himalaya, Zambia, Zaïre, Zimbabwe, Cuba

India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh,

Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Sikkim, Tripura, Uttarakhand, West Bengal

6. Habit and Habitat: Epiphytes

7. Economic Importance: Some species are of medicinal importance.

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=18^3, 6, 7, 8, 9, 11, 13, 19^1, 2, 4, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21$ 10. Zygotic chromosome number(s): $2n=36^3, 6, 7, 8, 9, 38^1, 2, 4, 12, 14, 15, 16, 17, 18, 19$

11. Gametic chromosome number(s): $n=18$ ^{9, 11, 13}, 19⁵, 10, 11, 12, 13, 14, 18, 20, 21

5, 10, 11, 12, 13, 14, 18, 20, 21

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

13. Ploidy level: Diploid^{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21}

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: 14

Meiosis: 9, 11, 13, 14, 21

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at: Chromosomal; DNA level:^{22, 23, 24}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map: