

Species Datasheet AmUL+SUK+NEHU

Datasheet No. A-061.001.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Acampepraemorsa* (Roxb.) Blatt. & McCann

Subspecies:

Variety:

Cultivar

Hybrid

2. Synonyms: *Acampeexcavata* Lindl., *Acampepapillosa* (Lindl.) Lindl., *Acampewightiana* (Lindl. ex Wight) Lindl., *Cymbidium praemorsum* (Roxb.) Sw., *Epidendrum praemorsum* Roxb., *Gastrochilus papillosus* (Lindl.) Kuntze, *Gastrochilus praemorsus* (Roxb.) Kuntze, *Rhynchostylis papillosa* (Lindl.) Heynh., *Saccolabium papillosum* Dalzell & A. Gibson, *Saccolabium papillosum* Lindl., *Saccolabium praemorsum* (Roxb.) Hook.f., *Saccolabium wightianum* (Lindl. ex Wight) Hook.f., *Sarcanthus papillosus* (Lindl.) Tixier, *Sarcanthus praemorsus* (Roxb.) Lindl. ex Spreng, *Sarcohilus praemorsus* (Roxb.) Spreng, *Vanda fasciata* Gardner ex Lindl., *Vanda wightiana* Lindl. ex Wight

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandaeae
- Subtribe: Aeridineae
- Genus: *Acampe* Lindl.
- Species: *Acampepraemorsa* (Roxb.) Blatt. & McCann

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledonae

Series: Microspermae

Ordo: Orchideae

Tribus: Vandaeae

Subtribus: Sarcantheae

Genus: *Acampe* Lindl.

Species: *Acampepraemorsa* (Roxb.) Blatt. & McCann

4. Distribution:

Global: Bangladesh, Cambodia, China South-Central, China Southeast, East Himalaya, Hainan, India, Laos, Malaya, Myanmar, Nepal, Philippines, Sri Lanka, Taiwan, Thailand, Vietnam, West Himalaya

India: Andhra Pradesh, Chhattisgarh, Daman Diu, Dadra Nagar Haveli, Goa, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Robust epiphyte; Moist deciduous forests also in the plains, Occasional on hills above 1000m, on crevices of rocks in full sun, lower elevation 700 m

8. Life Form: Phanerophytes

9. Economic Importance: Medicinal; used traditionally by for treating ailments such as stomachache, earache, backache, wounds, neuralgia, rheumatism, eye diseases, sciatica, cough and fracture.

10. Probable Progenitor of:

11. DNA

C-value Methodology

12. Basic chromosome number(s): $x=18^3$, 6, 7, 8, 9, 11, 13, 19¹, 4, 11, 12, 13, 15, 16, 17, 18, 21

13. Zygotic chromosome number(s): $2n=36^{3, 6, 7, 8, 9}$,

$38^{1, 4, 12, 15, 16, 17, 18}$

14. Gametic chromosome number(s): $n=18^{9, 11, 13}$, $19^{11, 13, 21}$

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

Image file

16. Ploidy level: Diploid^{3, 4, 6, 7, 8, 9, 11, 12, 13, 15, 16, 17, 18, 21}

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 $18\text{II}^{9, 11, 13}$, $19\text{II}^{11, 13, 21}$

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.):