

Species Datasheet

Datasheet No. A-076.013.018
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Calamus nambariensis* Becc.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Calamus banlingensis* Cheng Y.Yang, Zheng H.Yang & J.Lu, *C. doriaei* Becc., *C. giganteus* var. *robustus* S.J.Pei & S.Y.Chen, *C. inermis* T.Anderson, *C. inermis* var. *menghaiensis* San Y.Chen, S.J.Pei & K.L.Wang, *C. khasianus* Becc., *C. multinervis* var. *menglaensis* San Y.Chen, S.J.Pei & K.L.Wang, *C. nambariensis* var. *alpinus* S.J.Pei & S.Y.Chen, *C. nambariensis* var. *furfuraceus* S.J.Pei & S.Y.Chen, *C. nambariensis* var. *menglongensis* S.J.Pei & S.Y.Chen, *C. nambariensis* var. *xishuangbannaensis* S.J.Pei & S.Y.Chen, *C. nambariensis* var. *yingjiangensis* S.J.Pei & S.Y.Chen, *C. obovoideus* S.J.Pei & S.Y.Chen, *C. palustris* var. *longistachys* S.J.Pei & S.Y.Chen, *C. platyacanthoides* Merr., *C. platyacanthus* Warb. ex Becc., *C. platyacanthus* var. *longicarpus* San Y.Chen & K.L.Wang, *C. platyacanthus* var. *mediostachys* S.J.Pei & S.Y.Chen, *C. polydesmus* Becc., *C. wailong* S.J.Pei & S.Y.Chen, *Palmijuncus inermis* (T.Anderson) Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Areaceae Bercht. & J. Presl
- Genus: *Calamus* L.
- Species: *C. nambariensis* Becc.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Calamus* L.
Species: *C. nambariensis* Becc.

4. Distribution:

Global: Assam to China (Yunnan) and Indo-China

India: Assam

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Climbing Palm. Tropical Moist Forest

8. Life Form: Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=28^{4,5}$

$2n=36^3$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid³

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: Majority metacentric chromosomes^{3, 5}

Chromosome size: Small⁵

NOR chromosome(s): 4 NOR⁵

Degree of asymmetry: 2B category of Stebbin's chart³

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

Image file

27. **Chromosome distribution at anaphase I:**

28. **Genetic diversity:**

Chromosomal level

Image file

DNA level¹⁵

29. **Any other information (Aponixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):**