

Species Datasheet

Datasheet No. A-076.019.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Pinanga coronata* (Blume ex Mart.) Blume

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Areca coronata* Blume ex Mart., *A. costata* (Blume) Kurz, *A. oriziformis* var. *gracilis* Giseke, *P. coronata* var. *teijsmannii* Scheff., *P. costata* Blume, *P. kuhlii* Blume, *P. kuhlii* var. *alba* Scheff., *P. kuhlii* var. *sumatrana* Scheff., *P. noxa* Blume, *P. sumatrana* (Scheff.) H. Wendl., *Ptychosperma album* Scheff., *P. coronatum* (Blume ex Mart.) Miq., *P. costatum* (Blume) Miq., *P. kuhlii* (Blume) Miq., *P. noxa* (Blume) Miq., *Seaforthia coronata* (Blume ex Mart.) Mart., *S. costata* (Blume) Mart., *S. kuhlii* (Blume) Mart., *S. montana* Blume ex Mart., *S. reinwardtiana* Mart.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Areaceae Bercht. & J. Presl
- Genus: *Pinanga* Blume
- Species: *P. coronata* (Blume ex Mart.) Blume

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Pinanga* Blume
Species: *P. coronata* (Blume ex Mart.)
Blume

4. Distribution:

Global: India, Jawa and Sumatera

India: Andaman Island

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Tree. Very steep hillsides in montane forest and flat areas in lowland forest, from sea level to 1800 m above sea level.

8. Life Form: Phanerophytes

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

4C (35.42pg)¹

Methodology

Feulgen microdensitometry¹

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=28$ ^{2,3}

$2n=32$ ^{1,4,5}

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

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

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

Image file

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

28. **Genetic diversity:**

Chromosomal level

Image file

DNA level ⁶

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