

Genus Datasheet

Datasheet No. A-076.004

DBT- Network

Programme

(Family.Genus)

1. **Genus:** *Bentinckia* Berry ex Roxb.

2. **Systematic Position:**

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Arecales Bromhead
- Family: Arecaceae Bercht. & J. Presl
- Genus: *Bentinckia* Berry ex Roxb.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Calycinae
Ordo: Palmae Juss.
Genus: *Bentinckia* Berry ex Roxb.

3. **Species:**

Global: 2

India: 2

4. **Taxonomic riddles:**

5. **Distribution:**

Global: India

India: Kerala, Tamil Nadu, Nicobar Islands

6. **Habit and Habitat:** Tall, solitary, monoecious palm, grow in lowland rain forests

7. **Economic Importance:** The inflorescence of *Bentinckia condapanna* is used in religious ceremonies, as an ornamental plant, leaves are used for thatching and stems are used as hut pillars.

8. **DNA content range:**

4C (11.11 pg)¹

Methodology:

Feulgen microdensitometry¹

9. **Basic chromosome number(s):**

10. **Zygotic chromosome number (s):** $2n = 32^{2, 3}$

11. Gametic chromosome number (s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/ N chromosomes):

13. Ploidy level:

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

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

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution

21. Linkage map:

22. Any other information: