

Species Datasheet

Datasheet No. A-073.001.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Pancratium longiflorum* Buch.-Ham. ex Roxb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Pancratium cambayense* Herb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Subfamily: Amaryllidoideae Burnett
- Genus: *Pancratium* L.
- Species: *P. longiflorum* Buch.-Ham. ex Roxb.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Monocotyledones

Series: Epigynae

Ordo: Amaryllidaceae J. St.-Hil.

Genus: *Pancratium* L.

Species: *P. longiflorum* Buch.-Ham. ex Roxb.

4. Distribution:

Global: India

India: Peninsular to East India

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: herbaceous; tropical dry forest

8. Life Form: Bulb geophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=22^{1,2}$

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 Majority telocentric chromosomes^{1,2}

Chromosome size Small to large¹

NOR chromosome(s) 6 NOR²

Degree of asymmetry: symmetric^{1,2}

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

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