

Species Datasheet CalU+SUK-Phase I

Datasheet No. A-091.001.001
(family.genus.species)

DBT- Network Programme

-

1. Taxon:

Species: *Bromelia pinguin* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Agallostachys fastuosa* Beer; *A. pinguin* Beer; *Ananas pinguin* Gaertn.; *A. pinguin* Trew; *Bromelia fastuosa* Lindl.; *B. ignea* Beer; *B. pinguin* L.; *B. sepiaria* hort. ex Schult.f.; *Karatas pinguin* Mill.; *K. pinguin* (L.) Mill.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocot
- Order: Poales Small
- Family: Bromeliaceae Juss.
- Subfamily: Bromelioideae
- Genus: *Bromelia* L.
- Species: *B. pinguin* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Epigynae
Ordo: Bromeliaceae
Genus: *Bromelia* L.
Species: *B. pinguin* L.

4. Distribution:

Global: Mexico, the Caribbean, Central and South America; Florida and Hawaii, India, Philippines

India: Bihar, Uttar Pradesh, Sri Lanka

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb; grows in disturbed land like ditches and wastelands, along the Ganges river bank and also along railway line

8. Life Form: Epiphyte

9. Economic Importance: Used as an ornamental plant

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=96^1$

14. Gametic chromosome number(s): $n=48^2$

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

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