

Species Datasheet

Datasheet No. A-066.001.001
(family.genus.species)

DBT- Network Programme

1. Taxon: *Curculigo* Gaertn.

Species: *Curculigo crassifolia* (Baker) Hook.f.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms: *Molineria crassifolia* Baker

3. Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocot
- Order: Hypoxidales
- Family: Hypoxidaceae
- Genus: *Curculigo* Gaertn.
- Species: *Curculigo crassifolia*

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogams
Class: Monocotyledons
Series: Epigynae
Ordo: Hypoxidaceae
Genus: *Curculigo* Gaertn.
Species: *Curculigo crassifolia*

4. Distribution:

Global: Tropical regions of Asia, Africa, Australia, and the Americas

India: Maharashtra

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb

8. Life Form: Perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value Methodology:

12. Basic chromosome number(s): $x=9^{3,4}$

13. Zygotic chromosome number(s): $2n=18^{1,2,3}$

14. Gametic chromosome number(s): $n=9^3$

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

Image file

16. Ploidy level: Diploid^{3,4}

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17. Agameteoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:

Karyotype: $(2M + 5Sm + 2St)^3$

Chromosome size: Very small ($2.0\mu\text{m}$ to $4.8\mu\text{m}$)³

NOR chromosome(s): 4 NOR^3

Degree of asymmetry: Symmetrical³

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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: 9II^3

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):