

Species Datasheet

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Datasheet No. G-002.004.001
(family.genus.species)

1.Taxon:

Species:*Lepidozamiaperoffskyana* Regel

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:**[*Catakidozamiamacleayi*Miq.](#), [*Encephalartosdenisonii* \(C.Moore&F.Muell\) F.Muell.](#), [*Lepidozamiadenisonii* \(C.Moore&F.Muell\) Regel](#),[*L.minor*Miq.](#),[*Macrozamiadenisonii* C.Moore & F.Muell](#),[*M.gigas*Miq.](#),[*M.peroffskyana* \(Regel\) Miq.](#), [*Zamiamacleayi*J.Schust.](#)

3.Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Cycadidae Pax
- Order: Cycadales Pers. ex Bercht. & J.Presl
- Family: Zamiaceae Horan.
- Genus: *Lepidozamia* Regel
- Species: *L.peroffskyana* Regel

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Cycadaceae Pers.
Tribus: Encephalarteae
Genus: *Macrozamia* Miq.

4.Distribution:

Global: Native of Australia (New South Wales, Queensland)

India: Planted in Botanical garden, NBRI, Lucknow (Uttar Pradesh)

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.Habit and Habitat: Wet sclerophyll forests or along rainforest margins

8.Life Form:Phanerophytes

9.Economic Importance:Planted in garden.

10. Probable Progenitor of:

11.DNA

C-value2C (55.30 pg)⁴ **Methodology**Flow cytometry⁴

12.Basic chromosome number(s): $x=9$ ^{2,3}

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

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

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

Image file

16.Ploidy level:Diploid^{1, 3}

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:³

Karyotype Mostly median subterminal and a pair of terminal³

Chromosome size Large³

NOR chromosome(s)

Degree of asymmetry asymmetrical³

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; Translocation etc.):