

Species Datasheet

Datasheet No. G-002.006.001
(family.genus.species)

1.Taxon:

Species:*Stangeriaeriopus*(Kunze) Baill.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. Synonyms:*Lomariaeriopus*Kunze, *S.katzeri* Regel, *S.paradoxa*T.Moore,
*S.sanderiana*J.Schust.,
*S.schizodon*W.Bull

3.Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: CycadidaePax
- Order: Cycadales Pers. ex Bercht. &J.Presl
- Family: Zamiaceae Horan.
- Genus: *Stangeria*T. Moore
- Species:*S.eriopus*(Kunze) Baill.

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Gymnospermeae

Ordo: Cycadaceae Pers.

Tribus: Encephalarteae

Genus: *Stangeria*T. Moore

Species: *S.eriopus* (Kunze) Baill.

4.Distribution:

Global: This species is widespread along the east coast of South Africa and southern Mozambique

India:Planted at Institute of Science, Ahmedabad, Gujarat

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

6.Threat Status:

IUCN: Vulnerable

BSI:

7.Habit and Habitat:Grows in open, dry grassland, in light shade under trees in the coastal parkland, or in dense, damp lowland forest. Found in sandy soils

8.LifeForm:Phanerophytes

9.Economic Importance: Medicinal, Horticulture

10. Probable Progenitor of:

11.DNA C-value 4C (59.28 pg) 4 **Methodology**Flow cytometry4

12.Basic chromosome number(s): $x=8$ 1, 2, 3, 5, 6

13. Zygotic chromosome number(s): $2n=16$ 2, 3, 5, 6

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

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

Image file

16.Ploidy level:Diploid2, 3, 5, 6

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:2, 3, 5, 6

Karyotype Mostly median and a pair each of subterminal and terminal chromosomes2, 3, 5, 6

Chromosome sizeLarge2, 3, 5, 6

NOR chromosome(s)163

Degree of asymmetrySymmetrical2, 3, 5, 6

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:18S rDNA3

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;Translocationsetc.):