Species Datasheet

Datasheet No. G-011.001.001
(family.genus.species)

1.Taxon:

Species**:** *Actinostrobuspyramidalis*Miq.
Subspecies:
Variety:
Cultivar:
Hybrid:

Image file:

2. Synonyms:*Callitris actinostrobus* F.Muell.,*C. pyramidalis* (Miq.) J.E.Piggin&J.J.Bruhl, *Frenela actinostrobus* (F.Muell.)F.Muell.

3.Systematic Position:

Christenhusz*et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass:PinidaeCronquist
- Order: Cupressales Link
- Family:Cupressaceae Gray
- Genus:*Actinostrobus*Miq.
- Species: *A. pyramidalis*Miq.

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus:Cupressineae
Genus: *Actinostrobus*Miq.
Species: *A. pyramidalis*Miq.

4.Distribution:

Global: southwestern Australia

India:

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

6.Threat Status:

IUCN: Least Concern

BSI:

7.Habit and Habitat:A small erect shrub or small evergreentree usually found on sandy soils in low lying areas that are subject to winter inundation.

8.LifeForm: Phanerophytes

9.EconomicImportance: The species is not known to be used, but it may be planted locally as an ornamental.

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

2C (21.30 pg) [6]Flow cytometry[6]

12.Basic chromosome number(s):x=11[1, 2, 3, 4]

13. Zygotic chromosome number(s):2n=22[1, 2, 4]

14. Gametic chromosome number(s):n=

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

Image file

16.Ploidy level: Diploid[1,2,3, 4]

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:[1, 2, 4]

KaryotypeMedian submedian[1,3]

Chromosome size Large[1,3]

NOR chromosome(s)2[4], 4[2]

Degree of asymmetry Symmetrical[1,2, 4]

Image file

22. Banding pattern(s):CMA^+ bands[2]

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;Translocationsetc.):