

Genus Datasheet

Datasheet No. G-011.001

(Family.Genus)

DBT- Network Programme

1. Genus: *Actinostrobus* Miq.

2. Systematic Position:

Christenhusz *et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Cupressales Link
- Family: Cupressaceae Gray
- Genus: *Actinostrobus* Miq.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus: Cupressineae
Genus: *Actinostrobus* Miq.

3. Species:

Global: 3

India: 1

4. Taxonomic riddles:⁵

5. Distribution:

Global: Southwestern Australia

India:

6. Habit and Habitat: Shrubs or small evergreen trees; usually found on sandy soils in low lying areas that are subject to winter inundation.

7. Economic Importance: Ornamental.

8. DNA content range:

2C (21.30 pg) ⁶Flow cytometry⁶

Methodology

9. Basic chromosome number(s): $x=11^{1,2,3,4}$

10. Zygotic chromosome number(s): $2n=22^{1,2,4}$

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

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):

13. Ploidy level:Diploid 1,2,3,4

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

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms: $1,2,4$

Meiosis:

17. Banding pattern(s): CMA^+ bands 2

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship of Chromosomes: DNA level: 5

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: