Genus Datasheet DBT- Network Programme

Datasheet No. G-003.001

(Family.Genus)

1. Genus: GinkgoL.

2.Systematic Position:

Christenhuszet al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Ginkgoidae Engl.
- Order: GinkgoalesGorozh.
- Family: Ginkgoaceae Engl.
- Genus: GinkgoL.

3. Species:

Global: 1

India: 1

4. Taxonomic riddles: ^{35, 36, 37}

5. Distribution:

Global: Native to South-Eastern China, common in the gardens of North America and Europe, India, Japan

India: West Bengal

6. Habit and Habitat:Large evergreen tree, {20-35 m tall};Scattered in broadleaved forests up to 1,100 m.

7.Economic Importance:Wood is used for making Chess-boards and chess-men in China and Japan. Roasted seeds are eaten during feasts and said to help in digestion and diminish the effects of wine. A medicine viz. 'Bilovas' prepared form this plant is taken orally for diabetic memory- loss.

8. DNA content range:

Methodology

2C (19.80-19.86 pg) ^{18,30}	Feulgenmicrodensitometry ^{18, 30}
2C (19.50-23.50 pg) ^{31, 32, 33}	Flow cytometry ^{31, 32, 33}

Bentham and Hooker (1880) Kingdom: Plantae Division:Phanerogamia Class: Gymnospermeae Ordo: Coniferae Genus: *GinkgoL*.

9. Basic chromosome number(s):x=12^{1,2, 3, 4, 5, 6,7, 8, 10, 11, 12, 13, 16, 17, 19, 20, 22, 23, 25, 26, 28}

10. Zygotic chromosome number(s):2n=24^{1, 2, 3, 4, 5, 6,7, 8, 10, 11, 13, 16, 17, 19, 20, 22, 23, 25, 26, 2 48²¹}

11. Gametic chromosome number(s):n=12^{10, 15,24, 26, 28}

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

13. Ploidy level: Diploid^{1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 16, 17, 19, 20, 22, 23, 25, 26, 28, Tetraploid (spora}

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

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

16. Karyograms: 1, 2, 4, 5, 7, 8, 10, 11, 13, 16, 17, 19, 20, 22, 23, 29

Meiosis:¹⁰

17. Banding pattern(s):^{1, 2, 3, 5, 10, 16, 22}

18. Physical mapping of chromosomes:^{8, 9, 10, 16, 29, 34, 39 GISH:}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map: 40

22. Any other information: