

1. Genus: *Smithsonia* C.J.Saldanha

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribe: Vandeae
- Subtribe: Aeridinae
- Genus: *Smithsonia* C.J.Saldanha

3. Species:

Global: 3

India: 3

4. Taxonomic riddles:

5. Distribution:

Global: India

India: Goa, Karnataka, Tamil Nadu, Maharashtra, Kerala

6. Habit and Habitat: Epiphytic herb, moist deciduous forests, evergreen and semi-Evergreen forests

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=19^{1, 2, 3}$

10. Zygotic chromosome number(s): $2n=38^{1, 2, 3}$

11. Gametic chromosome number(s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

Neocentric chromosomes):

13. Ploidy levelDiploid ^{1, 2, 3}

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

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

16. Karyograms: ³

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: