

Datasheet No. P-041.005
(Family.Genus)

1. Genus:*Diplazium* Swartz

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Athyriaceae Alston
- Subfamily:
- Genus: *Diplazium* Swartz

3. Species:

Global: 211 (accepted), 472 (unassessed)

India:.

4. Taxonomic riddles:

5. Distribution:

Global:

India:

6. Habit and Habitat:

7.Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=40$ ^{5, 10, 23, 35}, 41 ^{1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28, 29, 30, 32, 33, 36, 37, 43, 44, 46, 47, 48, 49, 50, 53, 54, 55, 57}

10. Zygotic chromosome number(s): $2n=80$ ¹⁰, 82 ^{3, 4, 18, 20, 21, 32, 33, 34, 44, 46, 47, 49, 50, 52},
 $c.160$ ^{40, 41}, 160 ³⁵, 164 ^{3, 34, 46}, 200 ⁴², $c.200$ ³⁴, $c.205$ ³¹, 205 ^{1, 3}, 246 ¹⁹

11. Gametic chromosome number(s): $n=41$ ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 22, 25, 26, 43, 44, 46, 48, 49, 50, 53, 54, 55, 57},
 80 ²³, 82 ^{1, 3, 4, 24, 25, 30, 36, 37, 46, 50}, 123 ^{38, 39, 40},
 205 ^{24, 29, 30}

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

13. Ploidy level : Diploid (sexual)^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 25, 26, 33, 34, 43, 44, 46, 47, 48, 49, 50, 52, 53, 54, 55, 57},

Tetraploid (sexual)^{1, 3, 4, 23, 24, 25, 30, 34, 35, 36, 37, 40, 41, 46, 50},

Hexaploid (sexual) ^{19, 38, 39, 40}

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

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

16. Karyograms: ⁴⁷

Meiosis: <sup>1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 36
44, 46, 48, 49, 50, 53, 54, 55, 57</sup>

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: