Genus Datasheet

Datasheet No. P-030.010 **DBT- Network Programme**
(Family.Genus)

1. Genus:*Onychium* Kaulf.

2. Systematic Position:

Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Pteridoideae C. Chr. Ex Crabbe, Jermy&Mickel
- Genus: *Onychium* Kaulf.

3. Species:

Global: Accepted (9), unassessed (14)

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=29[1, 4, 5,7,9, 10,11, 14, 15, 16, 17, 19, 20, 21, 22, 24, 25] ,

30[18]

10. Zygotic chromosome number(s):2n=58[10, 15, 16, 21] ,

60[18] ,

87[16,21,24, 25]**,**

116 [2, 3, 6, 8, 12, 13,22, 23]

11. Gametic chromosome number(s):n=29[1, 4, 5,7, 10, 11, 14, 15, 16, 17, 19, 20, 21, 22, 24, 25] ,

30 [18] ,

58 [4, 5,9,10, 12, 13, 20, 21, 22, 25] ,

87[16, 21,24, 25]

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

13. Ploidy level: Diploid (sexual) [1, 4, 5, 7, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25] ,

Diploid (apogamous)[10, 21],

Triploid (apogamous) [16, 21, 24, 25],

Tetraploid (sexual) [2, 3,4, 5, 6, 8, 9, 12, 13, 20, 21, 22, 25] ,

Tetraploid (sterile)[22, 23] ,

Hexaploid (sexual) [20, 21]

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

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

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19.Phylogenetic relationship atChromosomal; DNAlevel:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: