Genus Datasheet

DatasheetNo. A-028.012 **DBT- Network Programme**
(Family.Genus)

1. Genus:*Homalomena* Schott

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Homalomena*Schott

Bentham and Hooker(1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus:*Homalomena*Schott

. **3. Species:**

Global: 129

India: 6

4. Taxonomic riddles:

5. Distribution:

Global: Tropical Southeast Asia, Malay Archipelago, tropical America

India: Andaman & Nicobar Islands, North East India

6. Habit and Habitat: Herb.Tropical Moist Forest.

7.Economic Importance:

8. DNA content range: **Methodology:**

4C (36.55pg)[3] Feulgen microdensitometry[3]

9.Basic chromosome number(s): x=6[4]

10.Zygotic chromosome number(s):2n=34[3,4]
2n=40[1,2,5]
2n=48[6]

11. Gametic chromosome number(s): n=17 [4]

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ Neocentric chromosomes):

13. Ploidy level: Diploid[3]

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

15. Aberrantchromosomenumber(s) (aneuploidy,aneusomaty, polysomaty):

16.Karyograms:[4] **Meiosis:**[4]

17. Banding pattern(s):

18. Physical mapping of chromosomes: **GISH:**

19.Phylogenetic relationship atChromosomal; DNA level:DNA level[7,8,9]

20. Cytogenetic mechanism(s) underlying evolution: Structural changes in karyotype played a evolution of species[4]; Aneuploidy and structural alternation in chromosome have the role in evol

21. Linkage map:

22. Any other information: