

Species Datasheet

Datasheet No. A-140.085.046
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Viciatetrasperma*(L.) Schreb
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Ervumtetraspermum* L., *Viciagemella* Crantz

3. Systematic Position: APG IV; Bentham and Hooker:

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Vicia* L.
Species: *Viciatetrasperma*(L.) Schreb

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Vicia* L.
- Species: *Viciatetrasperma*(L.) Schreb

4. Distribution:

Global Asia, Africa, Europe
India

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5. Indigenous/Exotic/Endemic; Cultivated/Wild: Exotic; Wild

6. Threat Status:

IUCN

BSI

7. Habit and Habitat:

8. Life Form: Annual

9. Economic Importance: Fodder

10. Probable Progenitor of:

11. DNA

C-value

Methodology

2C(7.20 pg)^{90, 91}

Microdensitometer

12. Basic chromosome number(s): $x=7^{5,90,91}$

13. Zygotic chromosome number(s): $2n=14^{5,9,13,90,91,104,117,134}$

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid^{5,9,13,90,91,104,117,134}

Image file

17. Agametoploidy:

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

19. Genomic formula:

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

21. Somatic chromosomes: ^{5, 9, 13, 104, 117, 134}

Karyotype Majority metacentric /submetacentric chromosomes

Chromosome size Medium

NOR chromosome(s)2

Degree of asymmetry Symmetrical

Image file

22. Banding pattern(s):C - banding¹³⁴

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):