

Species Datasheet

Datasheet No. A-140.085.016
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Vicia hyaeniscyamus* Mouterde
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

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: *Vicia hyaeniscyamus* Mouterde

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Vicia* L.
- Species: *Vicia hyaeniscyamus* Mouterde

4. Distribution:

Global Asia

India Experimental stations

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herbaceous, Erect

8. Life Form: Annual

9. Economic Importance:

10. Probable Progenitor of: *Vicia faba*^{94,95,96,110}

11. DNA

C-value	Methodology
2C (18.21 pg) ⁹²	Microdensitometer
4C (31.24 pg) ^{3,113}	Microdensitometer
4C (31.58 pg) ⁴	Microdensitometer

12. Basic chromosome number(s): $x=7^{29}$

13. Zygotic chromosome number(s): $2n=14^{3,4,7,8,9,29,92,109,111}$

14. Gametic chromosome number(s): $n=7^7$

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

Image file

16. Ploidy level: Diploid^{3,4,7,8,9,29,92,109,111}

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: ^{3,4,7,9,29,109}

Karyotype Majority submetacentric /metacentric chromosomes

Chromosome sizeMedium

NOR chromosome(s)2

Degree of asymmetrySymmetrical

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:18S - 5.8S - 26S and 5S ribosomal gene families ^{10,109}

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 meiosis⁷

Male meiosis⁷ II ⁷

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level^{29,44,45,46,49,50,61}

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