

Species Datasheet

Datasheet No. A-140.085.021
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species
Subspecies
Variety: *Viciajohannis*Tamamsch. var. *johannis*
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: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Vicia* L.
Species: *Viciajohannis*Tamamsch.

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus: *Vicia* L.
- Species: *Viciajohannis*Tamamsch.

4. Distribution:

Global

IndiaExperimental 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: Marginal crop

10. Probable Progenitor of: *Vicia faba*^{94,95,96,97,110}

11. DNA

C-value	Methodology
2C(14.14pg) ^{90,91}	Microdensitometer

12. Basic chromosome number(s):

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

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level: Diploid^{9, 90, 91}

Image file

17. Agametoploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

21. Somatic chromosomes:⁹

Karyotype	Majority submetacentric chromosomes
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Chromosome size	Medium
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NOR chromosome(s) 2

Degree of asymmetry Symmetrical

Image file

22. Banding pattern(s):

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.):**