

Species Datasheet

Datasheet No. A-140.085.009
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species
Subspecies: *Viciacracca* L. subsp. *tenuifolia* (Roth.) Gaudin
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Viciatenuifolia* Roth

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: *Viciacracca* L.

APG IV (2016)

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

4. Distribution:

Global Europe, Mediterranean and reaching into north- western Africa, Lebanon ,
Caucasus, Persia and Siberia

India

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat:Herbaceous

8. Life Form:Perennial

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C-value

2C (15.99 pg)^{90,91}

Methodology

Microdensitometer

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=14^{104}$, $2n=24^{90,91,137}$

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:Diploid ¹⁰⁴, Tetraploid^{90,91,137}

Image file

17. Agametoploidy:

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

19. Genomic formula:

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

($2n=23, 25$)¹³⁷

21. Somatic chromosomes:^{29, 104, 137}

Karyotype Majority submetacentric chromosomes

Chromosome size

NOR chromosome(s)2 - 4

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 level¹³⁷

Image file

DNA level^{29, 44}

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