

References of *Vicia* L.

Genus ID : A-140.085

- 1.Ceccarelli M, Minelli S, Maggini F, Cionini PG.1995.Genome size variation in *Vicia faba* .Heredity.74.180 - 187.
- 2.Cremonini R, Ruffini Castiglione M, Venora G, Blangifortt S, Losavio FP, Pignone D.1998.Cytology of *Vicia* species. VI. Nuclear chromatin organization, karyomorphological analysis and DNA amount in *Vicia serratifolia* Jacq.Caryologia.51.195 - 205.
- 3.Venora G, Blangiforti S, Frediani M, Maggini F, Gelati MT, Ruffini Castiglione M.2000.Nuclear DNA contents, rDNAs, chromatin organization, and karyotype evolution in *Vicia* sect. *faba*.Protoplasma.213.118 - 125 .
- 4.Maxted N, Callimassia MA, Bennett MD .1991.Cytotaxonomic studies of eastern mediterranean *Vicia* species (Leguminosae).Plant Systematics and Evolution .177.221 - 234.
- 5.Kamel EA.1999.Karyological studies on some taxa of the genus *Vicia* L.(Fabaceae).Cytologia.64.441 - 448.
- 6.Kesavacharyulu K, Raina SN, Verma RC.1982.Cytogenetics of *Vicia* 1.Male meiotic system in twelve species.Cytologia.47.511 - 523.
- 7.Koul KK, Raina SN, Parida A, Bisht MS.1999.Sex differences in meiosis between *Vicia faba* L. and its close wild relatives .Botanical Journal of Linnean Society.129.239 - 247.
- 8.Frediani M, Caputo P, Venora G, Ravalli C, Ambrosio M, Cremonini R.2005.Nuclear DNA contents, rDNAs and karyotype evolution in *Vicia* subgenus *Vicia*: II. Section *Peregrinae*.Protoplasma .226.181 - 190.
- 9.Bisht MS, Kesavacharyulu K, Raina SN.1998.Nucleolar chromosome variation and evolution in the genus *Vicia*.Caryologia.51. 133 - 147.
- 10.Raina SN, Kesavacharyulu K, Shiran B, Mahmoudi A.2010.Fluorescence in situ hybridization with multiple repeated DNA probes applied to the analysis of chromosomal and genomic relationship levels between faba bean (*Vicia faba*) and its close wild relatives.Caryologia .63. 215 – 222.
- 11.Cionini PG, Bassi P, Cremonini R, Cavallini A.1985.Cytological localization of fast renaturing and satellite DNA sequences in *Vicia faba*.Protoplasma.124.106 - 111.
- 12.Hizume M, Tanaka A, Yonezawa Y, Tanaka R.1980.A technique for C - banding in *Vicia faba* chromosomes.Japan Journal of Genetics .55.301 - 305.
- 13.Chooi WY.1971.Variation in nuclear DNA content in the genus *Vicia*.Genetics.68. 195 - 211.
- 14.Kotseruba VV, Venora G, Blangiforti S, Ruffini Castiglione M, Cremonini R.2000.Cytology of *Vicia* species. IX. Nuclear DNA amount, chromatin organization and computer aided karyotyping of a Russian accession of *Vicia faba* L. .Caryologia .53.195 - 204.

15. Knalmann M, Burger EC .1977.Cytologische lokalisation von 5S und 18/25S RNA genorten in mitose - chromosomen von *Vicia faba* .Chromosoma.61.177 - 192.
16. Michaelis A, Rieger R.1971.New karyotypes of *Vicia faba* L. .Chromosoma.35.1 - 8.
17. Maggini F, Cremonini R, Zolfino C, Tucci GF, D'Ovidio R, Delre V, DePace C, Mugnozza GTS, Cionini PG.1991.Structure and chromosomal localization of DNA sequences related to ribosomal subrepeats in *Vicia faba*.Chromosoma.100.229 - 234.
18. Bassi P, Cremonini R, Cionini PG.1982.Cytological localization of inverted repeated DNA sequences in *Vicia faba*.Chromosoma.85.453 - 459.
19. Ramsay G.1984.C- banding in *Vicia* species. Systems for cytogenetic analysis in *Vicia faba* L.Advances in Agricultural Biotechnology .11.28 - 39.
20. Vandana, Chaudhary BR.2013.Intervarietal karyotypic variation in *Vicia faba* L.Caryologia .66. 6 - 11.
21. Yakura K, Kato A, Tanifuji S.1987.Cytological localization of highly repeated DNA sequences, the FokI sequence family and BamHI sequence families, in *Vicia faba* chromosomes.Japan Journal of Genetics .62.325 - 332.
22. Schubert I, Baeumlein H, Wobus U.1978.In situ hybridization of iodinated 5S and 18/ 25S RNA to *Vicia faba* metaphase chromosomes.Biologisches Zentralblatt.97. 129 - 135.
23. Nouzova M, Kubalakova M, Dolezelova M, Koblizkova A, Neumann P, Dolezel J, Macas J .1999.Cloning and characterization of new repetitive sequences in field bean (*Vicia faba* L.).Annals of Botany .83. 535 - 541.
24. Joshi P, Verma RC.2004.High frequency production of colchicine induced autotetraploids in faba bean (*Vicia faba* L.).Cytologia.69.141 - 147.
25. Ali HB, El- Khodary SE, El- Ashry ZM, Osman SA.2009.rDNA loci and DAPI bands reflect the phylogenetic distance between *Vicia* species.Cytologia.74.467 - 472.
26. Hizume M .1993.Chromosomal localization of 5S rRNA genes in *Vicia faba* and *Crepis capillaris*.Cytologia.58.417 - 421.
27. Snowdon RJ, Bottinger P, Pickardt T, Kohler W, Friedt W.2001.Physical localization of transgenes on *Vicia faba* chromosomes.Chromosome Research .9.607 – 610.
28. Lucretti S, Dolezel J, Schubert I, Fuchs J.1993.Flow karyotyping and sorting of *Vicia faba* chromosomes .Theoretical and Applied Genetics .85.665 - 672.
29. Raina SN, Ogiwara Y.1995.Ribosomal DNA repeat unit polymorphism in 49 *Vicia* species.Theoretical and Applied Genetics .90.477 - 486.

30. Schubert I, Rieger R. 1990. Alteration by centric fission of the diploid chromosome number in *Vicia faba* L. .Genetica.81. 67 - 69.
31. Schubert I, Rieger R, Kunzel G. 1991. Karyotype reconstruction in plants with special emphasis on *Vicia faba* L. 113 - 140. Gupta PS and Tsuchiya T. Chromosome engineering in plants: genetics, breeding, evolution.
32. Vosa CG, Marchi P. 1972. On the quinacrine fluorescence and giemsa staining patterns of the chromosomes of *Vicia faba*. Giornale botanico italiano .106. 151 - 159.
33. Klasterska I, Natarajan AT. 1975. Distribution of heterochromatin in the chromosomes of *Nigella damascena* and *Vicia faba*. Hereditas .79.154 - 156.
34. Pignone D, Attolico M. 1980. Chromosome banding in four groups of *Vicia faba* L. .Caryologia .33.283 - 288.
35. Singh VP, Lelley T. 1982. Giemsa C- banding karyotype of *Vicia narbonensis* as compared to *Vicia faba*. FABIS.4.22 - 23.
36. Takeshisa S, Utsumi S. 1973. Visualization of metaphase heterochromatin in *Vicia faba* by the denaturation-renaturation giemsa staining method. Experientia.29.120 - 121.
37. Dobel P, Rieger R, Michaelis A .1973. The giemsa banding patterns of the standard and four Reconstructed karyotypes of *Vicia faba*. Chromosoma.43.409 - 422.
38. Burger EC, Scheuermann W. 1974. Giemsa- banden und heterochromatische regionen bei metaphase chromosomen von *Vicia faba*. Cytobiologica .9.23 - 35.
39. Friebe B. 1976. Spezifische giemsa-färbung von heterochromatischen chromosomensegmenten bei *Vicia faba*, *Allium cepa* und *Paeonia tenuifolia*. Theoretical and Applied Genetics .47.275 - 283.
40. Rowland RE. 1981. Chromosome banding and heterochromatin in *Vicia faba*. Theoretical and Applied Genetics.60. 275 - 280.
41. Belyayev A. 1993. Banding of G - or R- type in prophase/ prometaphase in the M – chromosome of *Vicia faba* L. .Caryologia.46.301 - 307.
42. Rowland RE. 1980. Distribution of repetitive DNA sequences in *Vicia faba* chromosomes. Experimental Cell Research .126.444 - 448.
43. Rogers SO, Honda S, Bendich AJ. 1986. Variation in the ribosomal RNA genes among individuals of *Vicia faba*. Plant Molecular Biology .6.339 - 345.
44. Shiran B, Kiani S, Sehgal D, Hafizi A, ul- Hassan T, Chaudhary M, Raina SN. 2014. Internal transcribed spacer sequences of nuclear ribosomal DNA resolving complex taxonomic history in the genus *Vicia* L. Genetic Resources and Crop Evolution .61.909 - 925.

45. Raina SN, Ogiwara Y.1994.Chloroplast DNA diversity in *Vicia faba* and its close wild relatives: implications for reassessment .Theoretical and Applied Genetics .88.261 - 266.
46. Raina SN.1995.The use of chloroplast RFLPs detects enigma about broad bean ancestry.8.643 - 648.Manna GK and Roy SC.Perspectives in Cytology and Genetics .
47. Tahir NAR .2015.Identification of genetic variation in some faba bean (*Vicia faba* L.)genotypes grown in Iraq estimated with RAPD and SDS – PAGE of seed proteins .Indian Journal of Biotechnology.14.351 - 356.
48. Rogers SO, Bendich AJ.1987.Heritability and variability in ribosomal RNA genes of *Vicia faba*.Genetics .117.285 - 295.
49. Van de Ven W TG, Duncan N, Ramsay G, Phillips M, Powell W, Waugh R.1993.Taxonomic relationships between *V. faba* and its relatives based on nuclear and mitochondrial RFLPs and PCR analysis.Theoretical and Applied Genetics .86.71 - 80.
50. Tomasz S, Tomasz C.2006.Phylogenetic analysis within three sections of the genus *Vicia*.Cellular and Molecular Biology Letters .11. 594 - 615.
51. Sanz AM, Gonzalez SG, Syed NH, Suso MJ, Saldana CC, Flavell AJ.2007.Genetic diversity analysis in *Vicia* species using retrotransposon - based SSAP markers .Molecular Genetics and Genomics.278.433 - 441.
52. Kaur S, Cogan NOI, Forster JW, Paull JG.2014.Assessment of genetic diversity in faba bean based on single nucleotide polymorphism.Diversity.6.88 - 101.
53. Alghamdi SS, Al - Faifi SA, Migdadi HM, Ammar MH, Siddique KHM.2011.Inter -simple sequence repeat (ISSR) – based diversity assessment among faba bean genotypes.Crop Pasture Science.62. 755 - 760.
54. Link W, Dixkens C, Singh M, Schwall M, Melchinger AE.1995.Genetic diversity in european and mediterranean faba bean germplasm revealed by RAPD markers.Theoretical and Applied Genetics .90. 27 - 32.
55. Zeid M, Schon CC, Link W.2003.Genetic diversity in recent elite faba bean lines using AFLP markers.Theoretical and Applied Genetics .107.1304 - 1314.
56. Kwon SJ, Hu J, Coyne CJ .2010.Genetic diversity and relationship among faba bean (*Vicia faba* L.) germplasm entries as revealed by TRAP markers .Plant Genetic Resources .8.204 - 213.
57. Wang H, Zong X, Guan J, Yang T, Sun X, Ma Y, Redden R.2012.Genetic diversity and relationship of global faba bean (*Vicia faba* L.) germplasm revealed by ISSR marker.Theoretical and Applied Genetics.124.789 - 797.

58.Akash M, Myers GO.2012.The development of faba bean expressed sequence tag - simple sequence repeats (EST -SSRs) and their validity in diversity analysis.Plant Breeding .131.522 - 530.

59.Yang T, Bao S, Ford R, Jia T, Guan J, He Y, Sun X, Jiang J, Hao J, Zhang X.2012.High-throughput novel microsatellite marker of faba bean via next generation sequencing .BMC Genome .13.doi: 10.1186/1471-2164-13-602.

60.Cottage A, Gostkiewicz K, Thomas JE, Borrows R, Torres AM, O'Sullivan DM.2012.Heterozygosity and diversity analysis using mapped SNPs in a faba bean inbreeding programme.Molecular Breeding .30.1799 - 1809.

61.Van de Ven M, Powell W, Ramsay G, Waugh R.1990.Restriction fragment length polymorphism as genetic markers in Vicia.Heredity.65.329 - 342.

62.Alghamdi SS, Al – Faifi SA, Migdadi HM, Khan MA, El – Harty EH, Ammar MH.2012.Molecular diversity assessment using sequence related amplified polymorphism (SRAP) markers in Vicia faba L.International Journal of Molecular Sciences.13.16457 - 16471.

63.Terzopoulos PJ, Bebeli PJ .2008.Genetic diversity analysis of mediterranean faba bean (Vicia faba L.) with ISSR markers .Field Crop Science Research .108.39 - 44.

64.Zield M, Mitchell S, Link W, Carter M, Nawar A, Fulton T, Kresovich S.2009.Simple sequence repeats (SSRs) in faba bean, new loci from orobanche- resistant cultivar 'Giza 402'.Plant Breeding.128.149 - 155.

65.Sundan S, Jong - Hyun P, Gyu-Taek C, Ho - Sun L, Hyung - Jin B, Sok - Young L, Jong -Wook C.2013.Development and molecular characterization of 55 novel polymorphic cDNA -SSR markers in faba bean (Vicia faba L.) using 454 pyrosequencing.Molecules.18.1844 - 1856.

66.Rajkovic D, Taski -Ajdukovic K, Nagl N, Isakov M, Milic D, Karagic D, Mikic A.2015.Potential use of SSR and ISSR markers in estimation of DNA polymorphism within genus Vicia.Ratarstvo i Povrtarstvo.52.85- 89.

67.Raveendar S, Lee GN, Jeon YA, Lee YJ, Lee JR, Cho GT, Cho JH, Park JH, Ma KH, Chung JW .2015.Cross - amplification of Vicia sativa subsp. sativa microsatellites across 22 other Vicia species.Molecules.20.1543 - 1550.

68.Scallan CD, Harmey MA.1996.The use of mitochondrial DNA polymorphisms to distinguish commercial cultivars of the broad bean, Vicia faba L.Euphytica.87.225 - 235.

69.Backouchi IZ, Aouida M, Khemiri N, Jebara M.2015.Genetic diversity in Tunisian populations of faba bean (Vicia faba L.) based on morphological traits and molecular markers.Genetics and Molecular Research .14. 7587 - 7596.

70.Abdel - Razzak HS, Alfrmawy AM, Ibrahim HM, El- Hanafy AA.2012.Genetic diversity in faba bean (Vicia faba L.) using inter- simple sequence repeat (ISSR) markers and protein analysis.Life Science Journal .9.497 - 503.

71. Ya-ming G, Chun XS, Wei - hua M, Ze-yun L, Qi-Zan H, Gu - wen Z, Ju D. 2011. Genetic diversity analysis of faba bean (*Vicia faba* L.) based on EST – SSR markers .Agricultural Sciences in China.10. 838 -844.
72. Liu Y, Hou W. 2010. Genetic diversity of faba bean germplasms in Qinghai and core germplasm identified based on AFLP analysis. Legume Genomics and Genetics .1.1 - 6.
73. Ouji A, El-Bok S, Syed NH, Abdel laoui R, Rouaissi M, Flavell AJ, Gazzah MEL. 2012. Genetic diversity of faba bean (*Vicia faba* L.) populations revealed by sequence specific amplified polymorphism (SSAP) markers. African Journal of Biotechnology .11.2162 - 2168 .
74. Salazar- Laureles ME, Perez- Lopez DDJ, Gonzalez- Huerta A, Vazquez- Garcia LM, Valadez- Moctezuma E. 2014. Genetic variability analysis of faba bean accessions using Inter-Simple Sequence Repeat (ISSR) markers .Chilean Journal of Agricultural Research .75.doi: 10.4067/ S0718-58392015000100017.
75. Basheer- Salimia R, Shtaya M, Awad M, Abdallah J, Hamdan Y. 2013. Genetic diversity of palestine landraces of faba bean (*Vicia faba*) based on RAPD markers. Genetics and Molecular Research.12.3314 - 3323.
76. Yahia Y, Hannachi H, Monforte AJ, Cockram J, Loumerem M, Zarouri B, Ali F. 2014. Genetic diversity in *Vicia faba* L. populations cultivated in Tunisia revealed by simple sequence repeat analysis. Plant Genetic Resources: Characterization and Utilization .12.278 - 285.
77. Gong YM, Xu SC, Mao WH, Hu QZ, Zhang GW, Ding, J, Li ZY. 2010. Generation and characterization of 11 novel EST derived microsatellites from *Vicia faba* (Fabaceae). American Journal of Botany.97.69 - 71.
78. Ma Y, Yang T, Guan J, Wang S, Wang H, Sun X, Zong X. 2011. Development and characterization of 21 EST – derived microsatellite markers in *Vicia faba* (faba bean). American Journal of Botany.98. 22 - 24.
79. Ellwood SR, Phan HTT, Jordan M, Hane J, Torres AM, Avila CM, Cruz – Izquierdo S, Oliver RP. 2008. Construction of a comparative genetic map in faba bean (*Vicia faba* L.); conservation of genome structure with *Lens culinaris*. BMC Genomics .9.doi: 10.1186/ 1471 -2164 - 9 - 380.
80. Ma Y, Bao SY, Yang T, Hu JG, Guan JP, He YH. 2013. Genetic linkage map of chinese native variety faba bean (*Vicia faba* L.) based on simple sequence repeat markers. Plant Breeding .132.397 - 400.
81. Torres AM, Weeden NF, Martin A. 1993. Linkage among isozyme, RFLP and RAPD markers in *Vicia faba*. Theoretical and Applied Genetics .85.937 - 945.
82. Satovic Z, Avila CM, Cruz-Izquierdo S, Díaz-Ruiz R, García-Ruiz GM, Palomino C, Gutiérrez N, Vitale S, Ocaña-Moral S, Gutiérrez MV, Cubero JS, Torres AM. 2013. A reference consensus genetic map for molecular markers and economically important traits in faba bean (*Vicia faba* L.). BMC Genomics .14.doi: 10.1186/1471-2164-14-932.

83. Van de Ven WTG, Waugh R, Duncan N, Ramsay G, Dow N, Powel W. 1991. Development of a genetic linkage map in *Vicia faba* using molecular and biochemical techniques. *Aspects of Applied Biology*. 27. 49-54.
84. Webb A, Cottage A, Wood T, Khamassi K, Hobbs D, Gostkiewicz K, White M, Khazaei H, Ali M, Street D, Duc G, Stoddard FL, Maalouf F, Ogbonnaya FC, Link W, Thomas J, O'Sullivan DM. 2016. A SNP-based consensus genetic map for synteny-based trait targeting in faba bean (*Vicia faba* L.). *Plant biotechnology journal*. 14. 177 – 185.
85. Vaz Patta MC, Torres AM, Koblizkova A, Macas J, Cubero JI. 1999. Development of a genetic composite map of *Vicia faba* using F2 populations derived from trisomic plants. *Theoretical and Applied Genetics*. 98. 736-743.
86. El-Rodeny W, Kimura M, Hirakawa H, Sabah A, Shirasawa K, Sato S, Tabata S, Sasamoto S, Watanabe A, Kawashima K, Kato M, Wada T, Tsuruoka H, Takahashi C, Minami C, Nanri K, Nakayama S, Kohara M, Yamada M, Kishida Y, Fujishiro T, Isobe S. 2014. Development of EST-SSR markers and construction of a linkage map in faba bean (*Vicia faba*). *Breeding Science*. 64. 252 - 263.
87. Ruiz-Rodriguez MD, Avila CM, Torres AM, Fuchs J, Schubert I. 2014. Anchoring of genetic linkage maps to the chromosome complement of *Vicia faba* L. *Molecular Breeding*. 33. 743 - 748.
88. Roman B, Satovic Z, Pozarkova D, Macas J, Dolezel J, Cubero JI, Torres AM. 2004. Development of a composite map in *Vicia faba*, Breeding applications and future prospects. *Theoretical and Applied Genetics*. 108. 1079 - 1088.
89. Surahman M. 2001. The construction of genetic map of faba bean (*Vicia faba* L.) using RAPD markers. *Bul. Agron*. 29. 31 - 33.
90. Raina SN, Rees H. 1983. DNA variation between and within chromosome complements of *Vicia* species. *Heredity*. 51. 335 - 346.
91. Raina SN, Bisht MS. 1988. DNA amounts and chromatin compactness in *Vicia*. *Genetica*. 77. 65 - 77.
92. Raina SN. 1990. Genome organisation and evolution in the genus *Vicia*. ISBN 0-12- 402960- 4. *Biological Approaches and Evolutionary Trends in Plants*.
93. Abid G, Mingeot D, Udupa SM, Muhovski Y, Watillon B, Sassi K, M'hamdi M, Souissi F, Mannai K, Barhoumi F, Jebara M. 2015. Genetic relationship and diversity analysis of faba bean (*Vicia faba* L. var. minor) genetic resources using morphological and microsatellite molecular markers. *Plant Molecular Biology Reporter*. 33. 1755 - 1767.
94. Zohary D. 1977. Comments on the origin of cultivated broad bean, *Vicia faba* L. *Israel Journal of Botany*. 26. 39 - 40.
95. Zohary D, Hopf M. 1973. Domestication of pulses in the old world. *Science*. 182. 887 - 894.

96. Chapman GP. 1984. *Vicia faba* cytogenetics and breeding: An introduction. 11.1 - 11. Chapman GP and Tarawali SA. Systems for cytogenetic analysis in *Vicia faba* L. Martinus Nijhoff/Dr. W. Junk Publishers. Dordrecht.

97.

98. Cremonini R, Miotto D, Ngu MA, Tota D, Pignone D, Blangiforti S, Venora G. 1998. Cytology of *Vicia* Species. 5. Nuclear chromatin structure, karyomorphological analysis and DNA content in newly discovered relatives of *Vicia faba* L.: *Vicia kalakhensis* Khattab, *Maxted et Bisby* and *Vicia eristalioides* Maxted. *Cytologia*. 63. 371 - 379.

99. Frediani M, Cremonini R, Sassoli O. 1992. Nuclear DNA characterisation of two species of *Vicia*: *V. bithynica* L. and *V. narbonensis* L. *Biologia Plantarum*. 34. 335 - 344 .

100. Otaghvari AM. 2014. Meiotic system in subspecies of narbon vetch, *Vicia narbonensis* L. *Phytomorphology* . 64. 153 - 162.

101. Otaghvari AM, Parida A, Chaudhary M, Agrawal R, Raina SN. 2012. Chromosome variation and evolution in narbon vetch, *Vicia narbonensis* L. *Phytomorphology*. 62. 49 - 56.

102. Raina SN, Yamamoto K, Murakami M. 1989. Intraspecific hybridization and its bearing on chromosome evolution in *Vicia narbonensis* (Fabaceae). *Plant Systematics and Evolution* . 167. 201 - 217.

103. Safia E, Aziza Z, Takwa B, Ali O, Hamadi H, Oussama L, Cheima J, Rim D, Mohamed E . 2014. Chromosome number and karyotype analysis of some taxa of *Vicia* genus (Fabaceae): revision and description. *International Journal of Agriculture & Biology*. 16. 1067 - 1074.

104. Yamamoto K. 1973. Karyotaxonomical studies on *Vicia* 1. On the karyotype and character of some annual species of *Vicia*. *Japan Journal of Genetics* . 48. 315 - 327.

105. Knalmann M, Burger EC. 1986. Chromosomal localization of 5s rRNA genes in *Vicia narbonensis*. *Caryologia*. 39. 217 - 226.

106. Burger EC, Knalmann M. 1979. Lokalisierung von rRNA-genorten und sekundäreinschnürungen bei *Vicia narbonensis* und *Vicia sativa*. *Plant Systematics and Evolution*. 133. 77 - 85.

107. EL-Bakatoushi R, Ashour FM. 2009. Genetic diversity among some *Vicia narbonensis* L. varieties as revealed by karyotype and protein analysis. *Egyptian Journal of Genetics and Cytology*. 38. 85 - 97.

108. Navratilova A, Neumann P, Macas J. 2003. Karyotype analysis of four *Vicia* species using in situ hybridization with repetitive sequences. *Annals of Botany* . 91. 921 - 926.

109. Raina SN, Mukai Y, Kawaguchi K, Goel S, Jain A. 2001. Physical mapping of 18S - 5.8S - 26S and 5S ribosomal RNA gene families in three important vetches (*Vicia* species) and their allied taxa constituting three species complexes. *Theoretical and Applied Genetics* . 103. 839 - 845.

110. Maxted N, Khattab AMA, Bisby FA.1991.The newly discovered relatives of *Vicia faba* L. do little resolve the enigma of its origin.Botanika Chronika (Patras) .10.435 - 465.
- 111.Yamamoto K .1986.Interspecific hybridization among *Vicia narbonensis* and its related species.Biologisches Zentralblatt.105. 181 - 197.
- 112.Raina SN, Narayan RKJ.1984.Changes in DNA composition in the evolution of *Vicia* species.Theoretical and Applied Genetics .68.187 -192.
- 113.Cremonini R, Funari S, Mazzuca S.1992.Cytology of *Vicia* species: nuclear structure, karyological analysis and DNA content.Chromatin.1.135-146.
- 114.Narayan RKJ, Ramachandran C, Raina SN.1985.The distribution of satellite DNA in the chromosome complements of *Vicia* species (Leguminosae).Genetica.66.115 - 121.
- 115.Akpınar N, Bilaloglu R.1997.Cytological investigations of certain species of *Vicia* L.Türk Biyoloji Dergisi.21.197 - 207.
- 116.Bagci E, Şahin A.2000.A numerical cytotaxonomic study on some *Vicia* L. taxa.Ot. Syst. Bot. Derg.7.143 - 160.
- 117.Inceer H, Hayirlioglu- Ayaz S, Beyazoglu O.2002.Cytotaxonomic investigations on some taxa of the genus *Vicia* L. from north - eastern Anatolia.Acta Botanica Gallica .149.125 - 138.
- 118.Inceer H, Hayirlioglu- Ayaz S.2005.Giemsa C- banded karyotypes of *Vicia cracca* L. subsp. *cracca* and *V. bithynica* L.Turkish Journal of Botany .29.311 -316.
- 119.Rees H, Cameron FM, Hazarika MH, Jones GH.1966.Nuclear variation between diploid angiosperms.Nature.211.828 - 830.
- 120.Bisht MS, Raina SN.1998.Supernumerary nucleoli in *Vicia* species .327 - 354.Kachroo P.Progress in Cytogenetics.Bishen Singh Mahendra Pal Singh.Dehradun, India.
- 121.Sevimay CS, Guloglu D, Khawar KM.2005.Karyotype analysis of eight turkish vetch (*Vicia sativa* L.) cultivars .Pakistan Journal of Botany .37.313 - 317.
- 122.Ladizinsky G, Temkin R.1978.The cytogenetic structure of *Vicia sativa* aggregate.Theoretical and Applied Genetics.53.33 - 42.
- 123.Hanelt P, Mettin D.1966.Cytosystematische untersuchungen in der artengruppe *Vicia sativa* L.Kulturpflanze.14.137-161.
- 124.Ladizinsky G.1978.Chromosomal polymorphism in wild populations of *Vicia sativa* L. .Caryologia.31.233 - 241.
- 125.Weber LH, Shifino-Wittmann MT.1999.The *Vicia sativa* L. aggregate (Fabaceae) in southern Brazil.Genetic Resources and Crop Evolution .46.207 - 211.

126. Hollings E, Stace CA. 1974. Karyotype variation and evolution in the *Vicia sativa* aggregate. *New Phytologist*. 73. 195 - 208.
127. Potokina E, Blattner F, Alexandrova T, Bachmann K. 2002. AFLP diversity in the common vetch (*Vicia sativa* L.) on the world scale. *Theoretical and Applied Genetics* .105. 58 - 67.
128. Potokina E, Vaughan DA, Eggi EE, Tomooka N. 2000. Population diversity of the *Vicia sativa* agg. (Fabaceae) in the flora of the former USSR deduced from RAPD and seed protein analyses. *Genetic Resources and Crop Evolution* .47. 171 - 183.
129. Gaffarzadeh- Namazi L, Badrzadeh M, Asghari- Zakaria R. 2008. Karyotype of several *Vicia* species from Iran. *Asian Journal of Plant Sciences* .7. 417 - 420.
130. Zohary D, Plitmann U. 1979. Chromosome polymorphism, hybridization and colonization in the *Vicia sativa* group (Fabaceae) . *Plant Systematics and Evolution* .131. 143 - 156.
131. Shiran B, Raina SN. 2001. Evidence of rapid evolution and incipient speciation in *Vicia sativa* species complex based on nuclear and organellar RFLPs and PCR analysis . *Genetic Resources and Crop Evolution*. 48. 519 - 532.
132. Liu Z, Liu P, Luo D, Liu W, Wang Y. 2014. Exploiting illumina sequencing for the Development of 95 novel polymorphic EST-SSR markers in common vetch (*Vicia sativa* subsp. *sativa*) . *Molecules*. 19. 5777 - 5789.
133. Chung JW, Kim TS, Suresh S, Lee SY, Cho GT. 2013. Development of 65 novel polymorphic cDNA – SSR markers in common vetch (*Vicia sativa* subsp. *sativa*) using next generation sequencing. *Molecules*. 18. 8376 -8392.
134. Hayirlioglu- Ayaz S, Vinikka Y, Beyazoglu O. 1999. C-banded chromosomes of four *Vicia* L., species . *Pakistan Journal of Botany* .31. 307 - 313.
135. Meric C, Dane F. 1999. Karyological studies on *Vicia sativa* L. subsp. *incisa* (Bieb.) Arc. var. *incisa*. *Turkish Journal of Botany* .23. 63 - 67.
136. Liu YG, Yamamoto K, Raina SN. 1988. Chromosome constitution of two karyotypes in *Vicia macrocarpa*. . *Japan Journal of Breeding* .38. 35 - 42.
137. Rousi A. 1961. Cytotaxonomical studies on *Vicia cracca* L. and *V. tenuifolia* Roth I. Chromosome numbers and karyotype evolution . *Hereditas*. 47. 81 - 110.
138. Arslan E, Ertugrul K, Ozturk AB. 2012. Karyological studies of some species of the genus *Vicia* L. (Leguminosae) in Turkey. *Caryologia*. 65. 106 - 113.
139. Terziiski D, Dimitrov B. 1983. Karyotype analysis in *Vicia hirsuta* (L.) S. F. Gray and *Vicia meyeri* Boiss . *Caryologia*. 36. 345 - 354.

140. Raina SN, Parida A, Koul KK, Salimath SS, Bisht MS, Raja V, Khoshoo TN. 1994. Associated chromosomal DNA changes in polyploids. *Genome* .37.560 - 564.
141. Kaur D, Singhal VK. 2010. Chromosome number, meiosis and pollen fertility in *Vicia rigidula* royle and *V. tenera* grah. from cold desert regions of India. *Cytologia*.75.9 - 14.
142. Mehra PN, Dhawan H. 1971. In IOPB chromosome number reports XXXIV. *Taxon*.20.785 - 797.
143. Singhal VK, Kaur D. 2011. Cytomixis and associated abnormalities during male meiosis in a new tetraploid cytotype of *Vicia pallida* Turcz. (Fabaceae) . *Cytologia*.76.387 - 393.
144. Endo Y, Choi BH, Ohashi H, Delgado- Salinas A. 2008. Phylogenetic relationships of new world *Vicia* (Leguminosae) inferred from nrDNA internal transcribed spacer sequences and floral characters. *Systematic Botany* .33. 356 - 363.
145. Raina SN. 2000. Molecular evidences for a missing wild relative of broad bean (*Vicia faba* L.). 241 - 247. Jaiswal VS, Rai AK, Jaiswal U and Sing JS. The changing scenario in plant sciences: Professor H.Y. Mohan Ram Commemoration Volume. Allied Publishers Limited .New Delhi, India.
146. Fennell SR, Powell W, Wright F, Ramsay G, Waugh R. 1998. Phylogenetic relationships between *Vicia faba* (Fabaceae) and related species inferred from chloroplast trnL sequences. *Plant Systematics and Evolution* .212.247 - 259.
147. Maxted NFLS. 1993. Aphenetic investigation of *Vicia* 1. Subgenus *Vicia* L. Leguminosae, Viciae. *Botanical Journal of the Linnean Society*.111.155-182.
148. Campeol E, Catalano S, Cremonini R, Morelli I. 2000. Flavonoids analysis of *Vicia* species of narbonensis complex: *V. kalakhensis* Khatt., Maxt. & Bisby and *V. eristalioides* Maxt. *Caryologia*.53. 63 - 68.
149. Potokina E, Tomooka N, Vaughan DA, Alexandrova T, Xu RQ. 1999. Phylogeny of *Vicia* subgenus *Vicia* (Fabaceae) based on analysis of RAPDs and RFLP of PCR- amplified chloroplast genes. *Genetic Resources and Crop Evolution* .46. 149 - 161.
150. Haider N, Nabulsi I, Mirali N. 2012. Identification of species of *Vicia* subgenus *Vicia* (Fabaceae) using chloroplast DNA data . *Turkish Journal of Agriculture* .36. 297-308.
151. Choi BH, Seok DI, Endo Y, Ohashi H. 2006. Phylogenetic significance of styler features in genus *Vicia* (Leguminosae): an analysis with molecular phylogeny. *Journal of Plant Research*.119.513-523.
152. Steele KP, Wojciechowski MF. 2003. Phylogenetic analyses of tribes Trifolieae and Viciae, based on sequences of the plastid gene, mat K (Papilionoideae: Leguminosae). 355 - 370. Klitgaard BB and Bruneau A. *Advances in Legume Systematics, part 10, Higher Level Systematics*. Royal Botanic Gardens .Kew.

153. Caputo P, Frediani M, Gelati MT, Venora G, Cremonini R, Castiglione MR. 2013. Karyological and molecular characterisation of subgenus *Vicia* (Fabaceae). *Plant Biosystems*. doi.org/10.1080/11263504.2013.861532.
154. Hanelt P, Mettin D. 1989. Biosystematics of the genus *Vicia* L. (Leguminosae). *Annual Review of Ecology and Systematics* .20.199 - 223.
155. Joshi P, Verma RC. 2005. Ethyl Methane Sulphonate (EMS) induced (partial) asynaptic mutant in faba bean (*Vicia faba* L.) . *Cytologia (Japan)* .70.143 - 147.
156. Bairiganjan GC, Patnaik SN. 1989. Chromosomal evolution in Fabaceae. *Cytologia* .54.51- 64.
157. Verma RC, Joshi P, Sharma S. 2004. Radiation and EMS induced translocation and inversion heterozygotes in *Vicia faba* L. *Journal of Cytology and Genetics*.5.45 - 52.